

Safety Data Sheets

Treasurer - Archives



Bldg D, Bisbee

11/25/2019



Safety Data Sheet Index

Binder: Bldg D, Bisbee - Treasurer - Archives

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1-Part Epoxy Acrylic Concrete & Garage Floor Paint Deep Base No. 2-930 - 1-Part Epoxy Acrylic Concrete & Garage Floor Paint Deep Base No. 2-930		Behr Process Corporation	08/31/2012	14
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3M BRAND Spray Mount (XA-9420) - 3M BRAND Spray Mount (XA-9420)		3M - ENGINEERED ADHESIVES	05/31/2001	27
ABC Dry Chemical Fire Extinguishant - ABC Dry Chemical Fire Extinguishant		AMEREX CORPORATION	03/13/2018	33
All Purpose Rug Spotter - All Purpose Rug Spotter		Fuller Brush Company	03/03/2008	45
ARMOR ALL Wheel Protectant Aerosol - ARMOR ALL Wheel Protectant Aerosol		The Armor All/STP Products Company	03/21/2012	47
Behr Ceiling Paint Flat Acrylic Latex, No. 558 Ultra White - Behr Ceiling Paint Flat Acrylic Latex, No. 558 Ultra White		Behr Process Corporation	01/09/2008	52
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CLOROX DISINFECTANT WIPES - CLOROX DISINFECTANT WIPES		The Clorox Company	07/01/2006	67
Color Place Interior Latex Flat Light Paint - Color Place Interior Latex Flat Light Paint		Masterchem Industries LLC	04/27/2010	68
Compucessory Power Duster - Compucessory Power Duster	75-37-6	Falcon Safety Products, Inc	10/26/2017	74
DIRT FIGHTER INTERIOR LATEX SEMI- GLOSS, 573- - DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS, 573-		DUTCH BOY	03/03/1992	80
ELMER'S NO WRINKLE RUBBER CEMENT - ELMER'S NO WRINKLE RUBBER CEMENT		Elmer's Products, Inc.	06/15/2006	88
ELMER'S RENTERS REPAIR KIT - STICKY OUT COMPONENT, ULTRA STIX-ALL COMPONENT, REDI-SPACK COMPONENT, ALL-PURPOSE CAULK COMPONENT, CARPET CLEANER WIPE COMPONENT - KIT - ELMER'S RENTERS REPAIR KIT - STICKY		Elmer's Products, Inc.	07/26/2007	96

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OUT COMPONENT, ULTRA STIX-ALL COMPONENT, REDI-SPACK COMPONENT, ALL-PURPOSE CAULK COMPONENT, CARPET CLEANER WIPE COMPONENT - KIT				
Epson UltraChrome Ink Cartridge - Photo Black for Epson Stylus Pro 9800/7800/4800 / US/C - Epson UltraChrome Ink Cartridge - Photo Black for Epson Stylus Pro 9800/7800/4800 / US/C		Epson	11/17/2005	142
Foam & Fabric Web Adhesive Spray - Foam & Fabric Web Adhesive Spray		Alchemco Inc.	07/01/2008	147
Goo Gone- 4 oz. - Goo Gone		Goo Gone	11/28/2017	151
KROLL - KROLL		Kano Laboratories, Inc.	05/11/1994	156
LEATHER & VINYL CLEANER - LEATHER & VINYL CLEANER		BLUE MAGIC, INC	09/15/2011	160
Lemon Pledge Aerosol - Lemon Pledge Aerosol		Drackett Professional Products	03/02/1999	163
LIQUID NAILS ADHESIVE - LIQUID NAILS ADHESIVE		Macco Adhesives	08/19/2002	167
Magnet Dust Mop Treatment - Magnet Dust Mop Treatment	8052-41-3	WAXIE SANITARY SUPPLY	05/27/2003	172
MINWAX Wood Finish Stains (all colors) - MINWAX Wood Finish Stains (all colors)		Thompson's Company - Minwax	01/17/2000	173
PARABOND M-2850 INDOOR/OUTDOOR CARPET ADHESIVE - PARABOND M-2850 INDOOR/OUTDOOR CARPET ADHESIVE		PARA-CHEM	06/08/2007	179
Plexiplus Gel Cleaner (Wipe-Out Formula) - Plexiplus Gel Cleaner (Wipe-Out Formula)		Gemini Technologies, Inc.	01/01/2005	182
Premium Plus Interior Enamel Undercoater Primer & Sealer No. 75 - Premium Plus Interior Enamel Undercoater Primer & Sealer No. 75		Behr Process Corporation	07/03/2009	184
Pro-Tectra-Cote Matte Laquer, 1432 - Pro-Tectra-Cote Matte Laquer, 1432		MCDONALD PHOTO PRODUCTS, INC.	01/01/1987	188
PURELL Hand Sanitizer - PURELL Hand Sanitizer		GOJO Industries, Inc.	03/19/2015	191
SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094) - SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)		3M - Industrial Tape and Specialties Division	11/25/1997	206
Simple Green All -Purpose Cleaner Simple Green Concentrated Cleaner /Degreaser /Deodorizer Simple Green Scrubbing Pad - Simple Green All -Purpose Cleaner Simple Green Concentrated Cleaner /Degreaser /Deodorizer Simple Green Scrubbing Pad		Sunshine Makers, Inc.	01/01/2006	212

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VERNAX FURNITURE POLISH - VERNAX FURNITURE POLISH		W.J. Hagerty and Sons, Ltd., Inc.	07/01/2004	225
WD-40 Aerosol - WD-40-Aerosol		WD-40 Company	12/28/2017	227
Wet Look Sealer - Wet Look Sealer		Behr Process Corporation	09/08/2008	232
WINDEX ORIGINAL GLASS CLEANER WITH AMMONIA-D - WINDEX ORIGINAL GLASS CLEANER		S.C. Johnson and Son, Limited	05/23/2017	236



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Date of issue: 05/06/2016

Revision date: 05/06/2016

Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product name : Weiman Lemon Oil
Product code : 18C

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Furniture Polish

1.3. Details of the supplier of the safety data sheet

Manufacturer

Weiman Products
755 Tri-State Parkway
Gurnee, IL 60031
T 1-800-837-8140

Distributor

Manitoulin Warehouse and Distribution
7035 Ordan Drive
Mississauga, Ontario, L5T 1T1
Tel: 905 283-1630 Fax: 905 565-0575

1.4. Emergency telephone number

Emergency number : 1-800-535-5053

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-CA classification

Asp. Tox. 1 H304

2.2. Label elements

GHS-CA labelling

Hazard pictograms (GHS-CA) :



GHS08

Signal word (GHS-CA) : Danger
Hazard statements (GHS-CA) : H304 - May be fatal if swallowed and enters airways
Precautionary statements (GHS-CA) : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331 - Do NOT induce vomiting
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local, regional, national or international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
White mineral oil, petroleum	(CAS No) 8042-47-5	98.4

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact : If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.
First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.

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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Treat for surrounding material.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon.
Reactivity	: No dangerous reaction known under conditions of normal use.

5.3. Advice for firefighters

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
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6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

For containment	: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	: Scoop up material and place in a disposal container. Provide ventilation.

6.4. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes. Avoid breathing vapour or mist. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.
Hygiene measures	: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep out of the reach of children. Keep container tightly closed. Store in a cool place. Store locked up.
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7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available.

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Safety glasses or goggles are recommended when using product.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.

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Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: Yellow
Odour	: Lemon
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93 °C (> 200 °F) [TOC]
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.83
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: No data available.
Partition coefficient: n-octanol/water	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 4 - 6 @ 40°C (104°F)
Viscosity, kinematic (calculated value) (40 °C)	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

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according to the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified.

Weiman Lemon Oil	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	No data available.

White mineral oil, petroleum (8042-47-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Based on available data, the classification criteria are not met.
Serious eye damage/irritation : Based on available data, the classification criteria are not met.
Respiratory or skin sensitization : Based on available data, the classification criteria are not met.
Germ cell mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : Based on available data, the classification criteria are not met.
Reproductive toxicity : Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met.
Aspiration hazard : May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation : May cause respiratory tract irritation.
Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Weiman Lemon Oil	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Weiman Lemon Oil	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

Transportation of Dangerous Goods

In accordance with Transportation of Dangerous Goods

Not regulated for transport

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

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SECTION 16: Other information

Date of issue	: 05/06/2016
Revision date	: 05/06/2016
Indication of changes	: None.
Version	: 1.0

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***** SECTION 1: PRODUCT IDENTIFICATION *****

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415
MFG TELEPHONE NUMBER : (612) 332-7371
24 HR EMERGENCY PHONE NO : 1-800-228-5635
CHEMICAL NAME OR FAMILY : PAINT PRODUCT
FORMULA : NOT APPLICABLE
TRADE NAME : 03 3040 INT LTX PRM WHITE
ISSUE DATE : 11-23-93 DATE PRINTED : 02-06-95

***** SECTION 2: HAZARDOUS INGREDIENTS *****

NAME	APPROX WT %		
COMMON(NA) : CLAY	5%	TLV TWA	10.00 MG/CU M
		TLV STEL	NOT ESTAB
CAS:22708-90-3 LT (1:2)	CHEMICAL: SILICIC ACID, ALUMINUM SA	OSHA PEL	15.00 MG/CU M
		CEILING	NOT ESTAB
		RECOMND	NOT ESTAB
COMMON(1) : CRYSTALLINE SILICA	< 1%	TLV TWA	0.10 MG/CU M
		TLV STEL	NOT ESTAB
CAS:14808-60-7	CHEMICAL: QUARTZ	OSHA PEL	0.10 MG/CU M
		CEILING	NOT ESTAB
		RECOMND	NOT ESTAB
COMMON(NA) : TITANIUM DIOXIDE	10%	TLV TWA	10.00 MG/CU M
		TLV STEL	NOT ESTAB
CAS:13463-67-7	CHEMICAL: TITANIUM OXIDE	OSHA PEL	10.00 MG/CU M
		CEILING	NOT ESTAB
		RECOMND	NOT ESTAB
*COMMON(NA) : ETHYLENE GLYCOL	5%	TLV TWA	50.00 PPM
		TLV STEL	NOT ESTAB
CAS:107-21-1	CHEMICAL: 1,2-ETHANEDIOL	OSHA PEL	NOT ESTAB
		CEILING	50.00 PPM
		RECOMND	NOT ESTAB

CHEMICALS NOTED WITH A (*) ARE REPORTABLE UNDER SECTION 313 OF SARA TITLE III

(1) = THIS MATERIAL IS A CARCINOGEN PER NTP, IARC

ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE U.S. TSCA CHEMICAL SUBSTANCE INVENTORY.

***** SECTION 3: PHYSICAL DATA

BOILING POINT: 212 DEG F.
VAPOR PRESSURE MM HG AT 77 DEG F: 24.0
VAPOR DENSITY (AIR = 1.0): 2.1
SPECIFIC GRAVITY: 1.24
PERCENT VOLATILE BY VOLUME: 71.65
EVAPORATION RATE (BUTYL ACETATE = 1): .4
SOLUBILITY IN WATER: NO
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.
THEORETICAL VOC: 1.18 LBS/GALLON
THEORETICAL VOC: 141 GRAMS/LITER

***** SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT TCC/PM DEG F : 205
LOWER EXPLOSIVE LIMIT : 1.00
UPPER EXPLOSIVE LIMIT : 15.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:

NONE

***** SECTION 5: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:

IMMEDIATE EFFECTS (ACUTE):

OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE IRRITATION
OF GASTROINTESTINAL TRACT, NOSE AND THROAT IRRITATION, EYE IRRITATION,
SKIN IRRITATION, RESPIRATORY TRACT IRRITATION, NAUSEA AND VOMITING.

DELAYED EFFECTS (CHRONIC):

CONTAINS CRYSTALLINE SILICA THAT IARC HAS CONCLUDED MAY CAUSE CANCER
IN ANIMALS BUT LIMITED EVIDENCE OF CANCER IN HUMANS.
PROLONGED EXPOSURE TO RESPIRABLE CRYSTALLINE QUARTZ (SILICA) MAY
CAUSE DELAYED (CHRONIC) LUNG INJURY (SILICOSIS)
CONTAINS INGREDIENTS WHICH MAY CAUSE LIVER DAMAGE, KIDNEY DAMAGE,
NERVOUS SYSTEM DAMAGE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY
RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15
MINUTES AND GET MEDICAL ATTENTION.
SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER.
INHALATION: IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE
TO FRESH AIR.
SWALLOWING: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY AS DIRECTED BY

***** SECTION 5: HEALTH HAZARD DATA *****CONTINUED*****
MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN
UNCONSCIOUS PERSON.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORBTION.

***** SECTION 6: REACTIVITY DATA *****

THIS PRODUCT IS STABLE
CONDITIONS TO AVOID: NONE
INCOMPATIBILITY: AVOID WATER-REACTIVE MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS:
SILICON DIOXIDE CARBON DIOXIDE/MONOXIDE METAL OXIDES

HAZARDOUS POLYMERIZATION: NONE

***** SECTION 7: SPILL OR LEAK PROCEDURES *****

VENTILATE AREA. REMOVE SPILLS WITH INERT ABSORBENT.

WASTE DISPOSAL METHOD:
DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,
STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

***** SECTION 8: SPECIAL PROTECTION INFORMATION *****

RESPIRATORY PROTECTION:
WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING
AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW
APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR
RESPIRATOR USE.

VENTILATION:
REQUIRED WHEN SPRAYING OR APPLYING IN CONFINED AREA.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.
EYE PROTECTION: FOR SPRAY APPLICATION, USE CHEMICAL
GOGGLES AS A MINIMUM. OTHERWISE, USE SAFETY GLASSES
WITH SIDE SHIELDS AS A MINIMUM.
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

***** SECTION 9: SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. KEEP FROM
FREEZING. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE. DO NOT CUT, PUNCTURE OR
WELD CONTAINERS. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL CONTAINER HAS BEEN
CLEANED, RECONDITIONED OR PROPERLY DISPOSED OF.

ABBREVIATIONS USED:
OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH

***** SECTION 9: SPECIAL PRECAUTIONS *****CONTINUED*****
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN;RECM-RECOMMENDED;TLV-THRESHOLD LIMIT VALUES.

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DAMAGE TO VENDEES, USERS, OR THIRD PARTIES CAUSED BY THIS MATERIAL. SUCH
VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THIS MATERIAL.

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **1-Part Epoxy Acrylic Concrete & Garage Floor Paint Deep Base No. 2-930**

Product Code: 2930

MSDS Manufacturer Number: 2930

Manufacturer Name: BEHR Process Corporation

Address: 3400 W. Segerstrom Avenue
Santa Ana, CA 92704

General Phone Number: (714) 545-7101

General Fax Number: (714) 241-1002

Customer Service Phone Number: (800) 854-0133 ext. 2

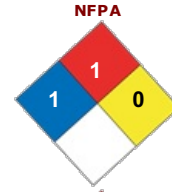
CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300

Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)

MSDS Creation Date: June 26, 2006

MSDS Revision Date: August 31, 2012

MSDS Format: According to ANSI Z400.1-2004



HMIS	
Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Nepheline Syenite	37244-96-5	10 - 30 by weight
Acrylic Emulsion	No Data	30 - 60 by weight
Water	7732-18-5	10 - 30 by weight
Non Hazardous	No Data	1 - 5 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Irritant.

Potential Health Effects:

Eye: May cause irritation.

Skin: May cause irritation.

Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. May cause vomiting.

Chronic Health Effects: Prolonged or repeated contact may cause skin irritation.

Signs/Symptoms: Overexposure may cause headaches and dizziness.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Aggravation of Pre-Existing Conditions: None generally recognized.

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.

Skin Contact: Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Other First Aid: Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: No Data

Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EXPOSURE GUIDELINES

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Boiling Point:	No Data
Melting Point:	No Data
Density:	8 - 10 Lbs./gal.
Vapor Density:	Greater than 1 (Air = 1).
pH:	8.5 to 9.5
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	No Data
VOC Content:	Material VOC: 15 gm/l (Includes Water) Coating VOC: 48 gm/l (Excludes Water)

The addition of colorant may add VOCs.

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

SECTION 11 - TOXICOLOGICAL INFORMATION

Nepheline Syenite :

RTECS Number: QP9365000

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 - TRANSPORT INFORMATION

DOT UN Number: No Data
DOT Hazard Class: No Data

SECTION 15 - REGULATORY INFORMATION

California PROP 65: WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

Nepheline Syenite :

TSCA Inventory Status: Not listed
Canada DSL: Listed

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 1
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Other: x
MSDS Creation Date: June 26, 2006
MSDS Revision Date: August 31, 2012
MSDS Revision Notes: Quarterly formula update
MSDS Author: Actio Corporation

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M(TM) General Trim Adhesive P.N. 08088

MANUFACTURER: 3M

DIVISION: Automotive Aftermarket

ADDRESS: 3M Center
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 02/09/10

Supersedes Date: 11/05/08

Document Group: 16-6445-7

Product Use:

Intended Use: Automotive
 Limitations on Use: Not recommended for bonding polystyrene foam.
 Specific Use: Automotive trim adhesive.
 General Use: High strength adhesive for bonding automotive materials (carpeting, fabrics, plastics) to metal and other surfaces.

SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
DIMETHYL ETHER	115-10-6	30 - 60
METHYL ACETATE	79-20-9	15 - 40
CYCLOHEXANE	110-82-7	7 - 13
BICYCLO[3.1.1]HEPT-2-ENE,2,6,6-TRIMETHYL-,POLYMER WITH 6,6-DIMETHYL-2-METHYLENEBICYCLO[3.1.1]HEPTANE	31393-98-3	5 - 10
BENZENE, 1-ETHENYL-4-METHYL-, POLYMER WITH (1-METHYLETHENYL)BENZENE	100199-62-0	1 - 5
PETROLEUM DISTILLATE	64742-48-9	1 - 5
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	1 - 5
NONVOLATILE COMPONENTS - TRADESECRET	Trade Secret	1 - 5
1,1-DIFLUOROETHANE	75-37-6	1 - 5
METHYL ALCOHOL	67-56-1	< 0.5

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Aerosol

Odor, Color, Grade: Liquid in aerosol, clear, sweet fruity odor

General Physical Form: Liquid

Immediate health, physical, and environmental hazards: Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back. Aerosol container contains flammable material under pressure. May cause frostbite. May cause target organ effects. Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:

Frostbite: Signs/symptoms may include intense pain, clouding of the cornea, redness, swelling, and blindness.

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin Contact:

Frostbite: Signs/symptoms may include intense pain, discoloration of skin, and tissue destruction.

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, and itching.

May be absorbed through skin and cause target organ effects.

Inhalation:

Intentional concentration and inhalation may be harmful or fatal.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Single exposure, above recommended guidelines, may cause:

Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

Prolonged or repeated exposure may cause:

Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

May be absorbed following inhalation and cause target organ effects.

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May be absorbed following ingestion and cause target organ effects.

Target Organ Effects:

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact: Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Inhalation: Remove person to fresh air. Get immediate medical attention.

If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 NOTE TO PHYSICIANS

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature	<i>No Data Available</i>
Flash Point	-40 °F [<i>Test Method:</i> Tagliabue Closed Cup]
Flammable Limits - LEL	<i>No Data Available</i>
Flammable Limits - UEL	<i>No Data Available</i>
OSHA Flammability Classification:	Class IA Flammable Liquid

5.2 EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Closed containers exposed to heat from fire may build pressure and explode. Extremely

flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back. Aerosol container contains flammable material under pressure.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available.

Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible. Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Do not pierce or burn container, even after use. No smoking while handling this material. Do not spray near flames or sources of ignition. Avoid breathing of vapors, mists or spray. Aerosol container contains flammable gas under pressure. Avoid static discharge. Avoid eye contact with vapors, mists, or spray. Keep out of the reach of children. For industrial or professional use only. Do not breathe vapors.

7.2 STORAGE

Store away from heat. Store out of direct sunlight. Store away from areas where product may come into contact with food or pharmaceuticals.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use with appropriate local exhaust ventilation. Use in an enclosed process area is recommended. Do not use in a confined area or areas with little or no air movement. Do not remain in area where available oxygen may be reduced. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment. Use in a well-ventilated area. If exhaust ventilation is not available, use appropriate respiratory protection.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray.

The following eye protection(s) are recommended: Safety Glasses with side shields, Indirect Vented Goggles.

8.2.2 Skin Protection

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Gloves made from the following material(s) are recommended: Neoprene, Nitrile Rubber.

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Do not breathe vapors.

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P95 particulate prefilters.

Consult the current 3M Respiratory Selection Guide for additional information or call 1-800-243-4630 for 3M technical assistance.

8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8.3 EXPOSURE GUIDELINES

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
1,1-DIFLUOROETHANE	AIHA	TWA	2700 mg/m3	
1,1-DIFLUOROETHANE	CMRG	TWA	1000 ppm	
CYCLOHEXANE	ACGIH	TWA	100 ppm	
CYCLOHEXANE	OSHA	TWA	1050 mg/m3	
DIMETHYL ETHER	AIHA	TWA	1880 mg/m3	
DIMETHYL ETHER	CMRG	TWA	1000 ppm	
PETROLEUM DISTILLATE	3M	TWA	100 ppm	
PETROLEUM DISTILLATE	CMRG	TWA	300 ppm	
HYDROTREATED LIGHT PETROLEUM DISTILLATES	CMRG	TWA	300 ppm	
METHYL ACETATE	ACGIH	TWA	200 ppm	
METHYL ACETATE	ACGIH	STEL	250 ppm	
METHYL ACETATE	OSHA	TWA	610 mg/m3	
METHYL ALCOHOL	ACGIH	TWA	200 ppm	Skin Notation*
METHYL ALCOHOL	ACGIH	STEL	250 ppm	Skin Notation*
METHYL ALCOHOL	OSHA	TWA	260 mg/m3	
PETROLEUM DISTILLATES	OSHA	TWA	2000 mg/m3	

* Substance(s) refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

ACGIH: American Conference of Governmental Industrial Hygienists

CMRG: Chemical Manufacturer Recommended Guideline

OSHA: Occupational Safety and Health Administration

AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form:	Aerosol
Odor, Color, Grade:	Liquid in aerosol, clear, sweet fruity odor
General Physical Form:	Liquid
Autoignition temperature	<i>No Data Available</i>
Flash Point	-40 °F [<i>Test Method:</i> Tagliabue Closed Cup]

Flammable Limits - LEL	<i>No Data Available</i>
Flammable Limits - UEL	<i>No Data Available</i>
Boiling point	<i>No Data Available</i>
Density	0.781 g/ml [<i>Details:</i> Refers to density of the liquid]
Vapor Density	2.97 [<i>Ref Std:</i> AIR=1]
Vapor Pressure	<i>No Data Available</i>
Specific Gravity	0.781 [<i>Ref Std:</i> WATER=1]
pH	<i>Not Applicable</i>
Melting point	<i>No Data Available</i>
Solubility in Water	Nil
Evaporation rate	1.90 [<i>Ref Std:</i> ETHER=1]
Hazardous Air Pollutants	<=0.4 % weight
Volatile Organic Compounds	53.62 % [<i>Test Method:</i> calculated SCAQMD rule 443.1]
Kow - Oct/Water partition coef	<i>No Data Available</i>
Percent volatile	53.62 % weight
VOC Less H2O & Exempt Solvents	553.61 g/l [<i>Test Method:</i> calculated SCAQMD rule 443.1]
Viscosity	<i>No Data Available</i>
Conditions to avoid	Heat
Materials to avoid	Strong oxidizing agents
Materials to avoid	Alkali and alkaline earth metals
Materials to avoid	

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid:

10.1 Conditions to avoid

Heat, Sparks and/or flames

10.2 Materials to avoid

Strong oxidizing agents, Alkali and alkaline earth metals

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance

Carbon monoxide
Carbon dioxide
Toxic Vapor, Gas, Particulate

Condition

Not Specified
Not Specified
Not Specified

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Not determined.

CHEMICAL FATE INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate in a permitted hazardous waste incinerator. Facility must be capable of handling aerosol cans. Combustion products will include HF. Facility must be capable of handling halogenated materials. Dispose of empty product containers in a sanitary landfill.

EPA Hazardous Waste Number (RCRA): D001 (Ignitable)

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14: TRANSPORT INFORMATION

ID Number(s):

60-4550-3005-0, 60-4550-4615-5, 60-4550-4629-6, 60-4550-4837-5, 60-9800-4516-9, 60-9801-0537-7

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

Contact 3M for more information.

311/312 Hazard Categories:

Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

<u>Ingredient</u>	<u>C.A.S. No</u>	<u>% by Wt</u>
CYCLOHEXANE	110-82-7	7 - 13

This material contains a chemical which requires export notification under TSCA Section 12[b]:

<u>Ingredient (Category if applicable)</u>	<u>C.A.S. No</u>	<u>Regulation</u>	<u>Status</u>
--	------------------	-------------------	---------------

METHYL ACETATE

79-20-9

Toxic Substances Control Act (TSCA) 4 Test Applicable
Rule Chemicals

STATE REGULATIONS

Contact 3M for more information.

CHEMICAL INVENTORIES

The components of this product are in compliance with the chemical notification requirements of TSCA.

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

Contact 3M for more information.

INTERNATIONAL REGULATIONS

Contact 3M for more information.

WHMIS: Hazardous

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification

Health: 2 Flammability: 4 Reactivity: 0 Special Hazards: None
Aerosol Storage Code: 2

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Revision Changes:

Copyright was modified.

Section 8: Skin protection phrase was modified.

Section 9: Property description for optional properties was modified.

Section 14: ID Number(s) Template 1 was modified.

Section 2: Ingredient table was modified.

Section 8: Exposure guidelines ingredient information was modified.
Section 15: TSCA section 12[b] information was modified.
Section 9: Property description for required properties was added.
Section 10.1 Conditions to avoid was added.
Section 10.2 Materials to avoid was added.
Section 6: Release measures information was added.
Section 6: Release measures information was added.
Section 6: Release measures information was added.
Section 10: Materials to avoid physical property was added.
Section 10: Conditions to avoid physical property was added.
Section 6: Release measures information was deleted.
Section 10: Materials and conditions to avoid physical property was deleted.

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DIVISION: ENGINEERED ADHESIVES

TRADE NAME:

3M(TM) BRAND Spray Mount(TM) (XA-9420)

ID NUMBER/U.P.C.:

GS-2000-1109-5	-	-	-	GS-2000-3074-9	-	-	-
GS-2000-3302-4	-	-	-	GS-2000-3304-0	-	-	-
GS-2000-3305-7	-	-	-	GS-2000-3306-5	-	-	-
GS-2000-3307-3	-	-	-	GS-2000-3308-1	-	-	-
GS-2000-3309-9	-	-	-	GS-2000-3310-7	-	-	-
GS-2000-3311-5	-	-	-	GS-2000-3312-3	-	-	- GS-2000

ISSUED: May 31, 2001

SUPERSEDES: May 30, 2001

DOCUMENT: 09-4740-8

1. INGREDIENT	C.A.S. NO.	PERCENT	
PROPANE.....	74-98-6	10.0	- 20.0
BUTANE.....	106-97-8	10.0	- 20.0
PENTANE.....	109-66-0	10.0	- 20.0
NAPHTHA (PETROLEUM), HYDRODESULFURIZED LIGHT, DEAROMATIZED.....	92045-53-9	10.0	- 20.0
HYDROTREATED LIGHT NAPHTHA (PETROLEUM)..	64742-49-0	10.0	- 20.0
ISOBUTANE.....	75-28-5	5.0	- 10.0
ACRYLATE POLYMER.....	TradeSecret	5.0	- 10.0
ACETONE.....	67-64-1	1.0	- 5.0
ISOPENTANE.....	78-78-4	1	- 5
ALPHA-PINENE POLYMER.....	25766-18-1	1.0	- 5.0

2. PHYSICAL DATA

BOILING POINT:..... N/D
 VAPOR PRESSURE:..... N/D
 VAPOR DENSITY:..... N/D
 EVAPORATION RATE:..... N/D
 SOLUBILITY IN WATER:..... nil
 SPECIFIC GRAVITY:..... 0.65 Water=1
 PERCENT VOLATILE:..... 85 - 90 %
 pH:..... N/A

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

2. PHYSICAL DATA (continued)

VISCOSITY:..... N/D
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
Liquid in aerosol container, clear

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -46.00 C
FLAMMABLE LIMITS - LEL:..... N/D
FLAMMABLE LIMITS - UEL:..... N/D
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:
Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:
Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 4 REACTIVITY: 1
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
Heat.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Aldehydes, Ketones, Hydrocarbons.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions from other sections. Ventilate area. Extinguish all ignition sources. Cover with absorbent material. Collect using non-sparking tools. Place in an approved metal container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill. Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: N/D.
VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal.

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: Yes REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

 7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact with vapor, spray, or mist. Wear vented goggles.
 Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact. Wear appropriate gloves
 when handling this material. A pair of gloves made from the
 following material(s) are recommended: polyethylene/ethylene vinyl
 alcohol, polytetrafluoroethylene (Teflon).

RECOMMENDED VENTILATION:

Use in a well-ventilated area. Provide sufficient ventilation to
 maintain emissions below recommended exposure limits. If exhaust
 ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray. Select one of the
 following NIOSH approved respirators based on airborne concentration
 of contaminants and in accordance with OSHA regulations: half-mask
 organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store at temperatures below 120 degrees F (49 degrees C). Keep out
 of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Aerosol container contains flammable gas under pressure. Keep away
 from heat, sparks, open flame, and other sources of ignition.
 Extremely flammable liquid and vapor. Do not pierce or burn
 container, even after use. Avoid static discharge.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
PROPANE.....	1000	PPM	TWA	OSHA	
PROPANE.....	2500	PPM	TWA	ACGIH	
BUTANE.....	800	PPM	TWA	ACGIH	
BUTANE.....	800	PPM	TWA	OSHA	
PENTANE.....	600	PPM	TWA	ACGIH	
PENTANE.....	600	PPM	TWA	OSHAV	
			OSHA VACATED PEL		
PENTANE.....	750	PPM	STEL	OSHAV	
			OSHA VACATED PEL		
PENTANE.....	1000	PPM	TWA	OSHA	
NAPHTHA (PETROLEUM),					

 Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
HYDRODESULFURIZED LIGHT, DEAROMATIZED.....	NONE	NONE	NONE	NONE	
HYDROTREATED LIGHT NAPHTHA (PETROLEUM).....	50	PPM	TWA	CMRG	
ISOBUTANE.....	NONE	NONE	NONE	NONE	
ACRYLATE POLYMER.....	NONE	NONE	NONE	NONE	
ACETONE.....	500	PPM	TWA	ACGIH	
ACETONE.....	750	PPM	STEL	ACGIH	
ACETONE.....	750	PPM	TWA	OSHAV	
ACETONE.....	1000	PPM	STEL	OSHAV	
ACETONE.....	1000	PPM	TWA	OSHA	
ISOPENTANE.....	600	PPM	TWA	ACGIH	
ALPHA-PINENE POLYMER.....	NONE	NONE	NONE	NONE	

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL.
 Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INHALATION:

Intentional concentration and inhalation may be harmful or fatal.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

8. HEALTH HAZARD DATA (continued)

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE May 30, 2001	ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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SAFETY DATA SHEET

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ABC Dry Chemical Fire Extinguishant
 Other Identifiers: Multi-purpose Dry Chemical
 Product Code(s): CH555, F13, F11
 Model Code(s) of Extinguishers: 402, IS 18ABC, IS35ABC, IS 45ABC, 13ABC, V25ABC, VH25ABC, V30ABC, VH30ABC, V50ABC, VS50ABC, VS75ABC, V250ABC
 Recommended Use: Fire suppression, not for human or animal drug use.
 Manufacturer: AMEREX CORPORATION
 Internet Address: www.amerex-fire.com
 Address: 7595 Gadsden Highway, P.O. Box 81
 Trussville, AL 35173-0081
 Company Telephone: (205) 655-3271
 E-mail Address: info@amerex-fire.com
 Emergency Contacts: Chemtrec 1(800) 424-9300 or (703) 527-3887
 Revised: March 13, 2018

Section 2. HAZARDS IDENTIFICATION

GHS – Classification

Health	Environmental	Physical
Acute Toxicity: Category 5	None	None
Skin Corrosion/Irritation: Category 3	None	None
Skin Sensitization: NO	None	None
Eye: Category 2A	None	Warning
STOT – Category 3	None	Warning
Carcinogen: Category None	None	None

GHS – Label Symbol(s):

If Pressurized: Gas Under Pressure

GHS – Words(s): Warning

Other Hazards Not Resulting in Classification: Mica may contain small quantities of quartz (crystalline silica). Prolonged exposure to respirable crystalline silica dust at concentrations exceeding the occupational exposure limits may increase the risk of developing a disabling

lung disease known as silicosis. IARC found limited evidence for pulmonary carcinogenicity of crystalline silica in humans. In the case of normal use of this product, exposure to silica should be nil.

The attapulgite clay used in this product has a fiber length of less than 5µm; therefore, the clay is not considered to be carcinogenic in animals or humans.

GHS – Hazard Phrases

GHS Hazard	GHS Codes(s)	Code Phrase(s)
Physical	H229	*- Contents under pressure; may explode if heated.
Health	H303 315 319 335	May be harmful if swallowed Causes skin irritation Causes serious eye irritation May cause respiratory irritation
Environmental	None	
Precautionary:		
General	P101	If medical advice is needed, have product container or label at hand
Prevention	P251 261 264 280	Do not pierce or burn, even after use. Avoid breathing dust/fumes/gas/mist/vapours/spray. Wash exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P312 321 362 302+352 304+340 305+351+338 332+313 342+311 337+313	Call a doctor if you feel unwell. Specific treatment (see Section 4. First Aid Measures) Take off contaminated clothing. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a doctor. If eye irritation persists get medical advice/attention.
Storage	P410 +403	*- Protect from sunlight. Store in well-ventilated place.
Disposal	P501	Dispose of contents through a licensed disposal company. Contaminated container should be disposed of as unused product.

*- If under pressure

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No.	Weight %	Classification
Mono-ammonium phosphate	231-764-5	01-2119488166-29	7722-76-1	80-98	NA
Attapulgite clay	601-805-5	Not Available	12174-11-7	3-16	NA
Mica-potassium aluminum silicate	310-1276	Not Available	12001-26-2	1-2	NA
Silicone oil methyl hydrogen polysiloxane	613-152-3	Not Available	63148-57-2	<1	NA
Calcium carbonate	207-439-9	Not Available	1317-65-3	<1	NA
Amorphous silica precipitated synthetic zeolite	231-545-4	01-2119379499-16-0036	7631-86-9	<1	NA
Yellow 14 pigment – di-azo dye	226-789-3	Not Available	5468-75-7	<1	NA

Emergency overview:

Light yellow, fine solid powder, odorless.

Adverse health effects and symptoms:

Mild irritant to the respiratory system. Irritant to eyes, and skin. Symptoms may include coughing,

shortness of breath, and irritation of the lungs, eyes, and skin. Ingestion, although unlikely, may cause cramps, nausea and diarrhea.

Section 4. FIRST AID MEASURES

Eye Exposure:	May cause irritation. Irrigate eyes with water and repeat until pain free. Seek medical attention if irritation develops, or if vision changes occur.
Skin Exposure:	May cause skin irritation. In case of contact, wash with plenty of soap and water. Seek medical attention if irritation persists.
Inhalation:	May cause irritation, along with coughing. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if irritation persists.
Ingestion:	Overdose symptoms may include numbness or tingling in hands or feet, uneven heart rate, paralysis, feeling faint, chest pain or heavy feeling, pain spreading to the arm or shoulder, nausea, diarrhea, sweating, general ill feeling, or seizure (convulsions). If victim is conscious and alert, give 2-3 glasses of water to drink. If conscious, do not induce vomiting. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist.
Medical conditions possibly aggravated by exposure:	Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema, or bronchitis. Skin contact may aggravate existing skin disease. Chronic overexposure may cause pneumoconiosis ("dusty lung" disease).

Section 5. FIRE-FIGHTING MEASURES

Flammable Properties:	Not flammable
Flash Point:	Not determined
Suitable Extinguishing Media:	Non-combustible. Use extinguishing media suitable for surrounding conditions.
Hazardous Combustion Products:	Carbon oxides

Explosion Data:

Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
Unusual fire/explosion hazards:	In a fire this material may decompose, releasing oxides of carbon, potassium and nitrogen (see Section 10).
Protective Equipment and Precautions for Firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand. NIOSH (approved or equivalent) and full protective gear.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin, eyes, and clothing.
Personal Protective Equipment:	Minimum - safety glasses, gloves, and a dust respirator.
Emergency Procedures:	NA
Methods for Containment:	Prevent further leakage or spillage if safe to do so.
Methods for Clean Up:	Avoid dust formation; clean up released material using vacuum or wet sweep and shovel to minimize generation of dust. Bag and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.
Other:	If product is contaminated, use PPE and containment appropriate to the nature of the most toxic chemical/material in the mixture.

Section 7. HANDLING AND STORAGE

Personal Precautions:	Use appropriate PPE when handling or maintaining equipment, and wash thoroughly after handling (see Section 8).
Conditions for Safe Storage:	Keep product in original container or extinguisher. Contents may be under pressure – inspect for extinguisher rust periodically to ensure container integrity.
Incompatible Products:	Do not mix with other extinguishing agents, particularly potassium bicarbonate and sodium bicarbonate. Incompatible with strong oxidizing agents and strong acids. Do not store in high humidity. Do not combine with chlorine compounds.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	OSHA PEL	ACGIH TLV	DFG MAK *	EU BLV
Mono-ammonium phosphate	PNOC** Total dust, 15 mg/m ³ Respirable fraction, 5 mg/m ³	PNOC Total dust, 10 mg/m ³ Respirable fraction, 3 mg/m ³	PNOC Total dust, 4 mg/m ³ Respirable fraction, 1.5 mg/m ³	NA
Mica	6 mg/m ³	3 mg/m ³	-----	NA
Attapulgite clay	PNOC** Total dust, 15 mg/m ³ Respirable fraction, 5 mg/m ³	PNOC Total dust, 10 mg/m ³ Respirable fraction, 3 mg/m ³	PNOC Total dust, 4 mg/m ³ Respirable fraction, 1.5 mg/m ³	
Silicone oil	NR**	NR		
Calcium carbonate	PNOC Total dust, 15 mg/m ³ Respirable fraction, 5 mg/m ³	PNOC Total dust, 10 mg/m ³ Respirable fraction, 3 mg/m ³	-----	NA
Amorphous silica	20mppcf $\frac{80 \text{ mg/m}^3}{\text{or } \% \text{ SiO}_2}$	10 mg/m ³	4 mg/m ³	NA
Yellow 14 pigment	NR	NR	NR	NA

*German regulatory limits **PNOC = Particulates not otherwise classified (ACGIH) also known as Particulates not otherwise regulated (OSHA) *** NR = Not Regulated. All values are 8 hour time weighted average concentrations.

Engineering Controls:

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment – PPE Code E:

The need for respiratory protection is not probable during short-term exposure. During production, the manufacturer should use judgement concerning the need for PPE.



Eye/Face Protection:
Skin and Body Protection:
Respiratory Protection:

Tightly fitting safety goggles
Wear protective gloves/coveralls
If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn. Use P100 respirators for limited exposure. Use air-purifying respirator (APR) with high efficiency particulate air (HEPA) filters for prolonged

exposure. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. The need for respiratory protection is not likely for short-term use in well ventilated areas.

Hygiene Measures:

Good personal hygiene practices essential, such as avoiding food, tobacco products, or other hand-to-mouth contact when handling. Wash thoroughly after handling.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow powder, finely divided odorless solid
Molecular Weight:	NH ₄ H ₂ PO ₄ : 115.03
Odor:	Odorless
Odor Threshold:	No information available
Decomposition Temperature °C:	100 - 120
Freezing Point °C:	No information available
Initial Boiling Point °C:	No information available
Physical State:	Crystalline Powder
pH:	Approximately 4.4 to 4.9
Flash Point °C:	None
Autoignition Temperature °C:	None
Boiling Point/Range °C:	No information available
Melting Point/Range °C:	NH ₄ H ₂ PO ₄ : 190
Flammability/Explosion Limits in Air °C:	Upper – None; Lower-None
Explosive Properties:	None
Oxidizing Properties:	None
Volatile Component (%vol)	Not applicable
Evaporation Rate:	No information available
Vapor Density:	No information available
Vapor Pressure:	NH ₄ H ₂ PO ₄ : 1.41 mm/Hg
Specific gravity at 25 °C:	NH ₄ H ₂ PO ₄ : 1.80
Solubility:	40.4 g/100 ml
Partition Coefficient:	NH ₄ H ₂ PO ₄ Est: -4.11
Viscosity:	No information available

NOTE: NH₄H₂PO₄ – Monoammonium Phosphate

Section 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage and handling conditions.
Incompatibles:	Strong oxidizing agents; Strong acids; sodium hypochlorite and chlorine compounds. Protect from moisture
Conditions to Avoid:	Storage or handling near incompatibles.
Hazardous Decomposition Products:	Carbon, nitrogen, and potassium oxides. Heat of fire may release carbon monoxide.
Possibility of Hazardous Reactions:	None
Hazardous Polymerization	Does not occur

Section 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation, skin and eye contact.
Symptoms:	
Inhalation:	Irritation, coughing.
Eyes:	Irritation.
Skin:	Irritation.
Acute Toxicity:	Relatively non-toxic.
Chronic Toxicity:	
Short-term Exposure:	None known.
Long-term Exposure:	As with all dusts, pneumoconiosis, or "dusty lung" disease, may result from chronic exposure.

Acute Toxicity Values - Health

Chemical Name	LD50		LC50 (Inhalation)
	Oral	Dermal	
Mono-ammonium phosphate	5750 mg/kg (rat)	>7940 mg/kg (rabbit)	Not available
Mica	None	None	None
Attapulgite clay	None	None	None
Silicone oil	None	None	None
Calcium carbonate	6450 mg/kg (rat)	500 mg/24 hr (rabbit)	Not available
Amorphous silica	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	>2.2 mg/L (rat)
Yellow 14 pigment	>17000 mg/kg (rat)	>3000 mg/kg (rat)	>4448 mg/m3 (rat)

Reproductive Toxicity:	This product's ingredients are not known to have reproductive or teratogenic effects.
Target Organs and Effects (TOST):	Respiratory system (mild irritant). This product is a mild irritant to epithelial tissue, (eyes, mucous membranes, skin) and may aggravate dermatitis. No information was found indicating the product causes sensitization.

Other Toxicity Categories

Chemical Name	Germ Cell Mutagenicity	Carcinogenicity	Reproductive	TOST Single Exp	TOST Repeated Exp	Aspiration
Mono-ammonium phosphate	None	None	None	Cat 3	None	None
Attapulgite clay	None	None	None	None	None	None
Mica	None	None	None	None	None	None
Silicone oil	None	None	None	None	None	None
Calcium carbonate	None	None	None	None	None	None
Amorphous silica	None	None	None	None	None	None
Yellow 14 pigment	None	None	None	None	None	None

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Negative effects unknown. Provides nutrient nitrogen and phosphorus to plant life.
Persistence/Degradability:	Degrades rapidly in humid/wet environment.
Probability of rapid biodegradation:	NH ₄ H ₂ PO ₄ Est: 0.693 (Rapid); (NH ₄) ₂ SO ₄ : Est: 0.684 (Rapid)
Anaerobic biodegradation probability:	NH ₄ H ₂ PO ₄ Est: 0.398 (Slow); (NH ₄) ₂ SO ₄ : Est: 0.398 (Slow)
Bioaccumulation potential:	Low.
Bioconcentration factor:	NH ₄ H ₂ PO ₄ : 3.16 L/kg (wet weight) (Low BCF)
Bioaccumulation factor:	NH ₄ H ₂ PO ₄ : 63.04 L/kg (wet weight)
Mobility in soil:	Slow evaporation rate; water soluble, may leach to groundwater
Log Koc:	NH ₄ H ₂ PO ₄ Est: -1.25
Log Koa:	NH ₄ H ₂ PO ₄ Est: 16.72
Log Kaw:	NH ₄ H ₂ PO ₄ Est: -20.86
NOTE: NH ₄ H ₂ PO ₄ – Mono-ammonium Phosphate	

Other Adverse Ecological Effects: No other known effects at this time

Aquatic Toxicity Values – Environment – Research

Chemical Name	Acute (LC50)	Chronic (LC50)
Mono-ammonium phosphate	N/A	N/A
Mica	N/A	N/A
Attapulgite clay	N/A	N/A
Silicone oil	N/A	N/A
Calcium carbonate	N/A	N/A
Amorphous silica	N/A	N/A
Yellow 14 pigment	N/A	N/A

Aquatic Toxicity Values – Environment – Estimates

Chemical Name	Acute (LC50)	EC50
Mono-ammonium phosphate	2,91e+07 mg/L Fish 96 hr; 9.4e+06 mg/l Daphnid 48 hr;	6.70e+05 mg/L Gr. Algae 96 hr
Mica	N/A	N/A
Attapulgite clay	N/A	N/A
Silicone oil	N/A	N/A
Calcium carbonate	N/A	N/A
Amorphous silica	N/A	N/A
Yellow 14 pigment	N/A	N/A

Section 13. DISPOSAL CONSIDERATIONS

Safe Handling

Use appropriate PPE when handling, and wash thoroughly after handling (see Section 8).

Waste Disposal Considerations

Dispose in accordance with federal, state, and local regulations.

Contaminated Packaging

Dispose in accordance with federal, state, and local regulations.

NOTES:

This product is not a RCRA characteristically hazardous or listed hazardous waste. Dispose of according to state or local laws, which may be more restrictive than federal laws or regulations. Used product may be altered or contaminated, creating different disposal considerations.

Section 14. TRANSPORT INFORMATION

UN Number: NA
 UN Proper Shipping Name: NA
 Transport Hazard Class: NA
 Packing Group: NA
 Marine Pollutant?: NO

IATA Not regulated

DOT Not regulated

NOTES:

This product is not defined as a hazardous material under U.S. Department of Transportation (DOT) 49 CFR 172, or by Transport Canada "Transportation of Dangerous Goods" regulations.

Special Precautions for Shipping:

The transportation information above covers the ABC 555 dry chemical extinguisher agent as shipped in bulk containers and not when contained in fire extinguishers or fire extinguisher systems. If shipped in a stored pressure-type fire extinguisher, and pressurized with a non-flammable, non-toxic

inert expellant gas, the fire extinguisher is considered a hazardous material by the US Department of Transportation and Transport Canada. The proper shipping name shall be FIRE EXTINGUISHER and the UN designation is UN 1044. The DOT hazard class/division is LIMITED QUANTITY when pressurized to less than 241 psig and when shipped via highway or rail. UN Class 2.2. Non-Flammable Gas, when shipping via air. Packing Group – N/A

Section 15. REGULATORY INFORMATION

International Inventory Status: All ingredients are on the following inventories

Country(ies)	Agency	Status
United States of America	TSCA	Yes
Canada	DSL	Yes
Europe	EINECS/ELINCS	Yes
Australia	AICS	Yes
Japan	MITI	Yes
South Korea	KECL	Yes

REACH Title XVII Restrictions: No information available

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on Label	Pollution Release and Transfer Registry (Class II)	Pollution Release and Transfer Registry (Class I)	Poison and Deleterious Substances Control Law
Monoammonium Phosphate	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Component	ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA – Harmful Substances Requiring Permission	Toxic Chemical Classification Listing (TCCL) – Toxic Chemicals	Toxic Release Inventory (TRI) – Group I	Toxic Release Inventory (TRI) – Group II
Monoammonium Phosphate 7722-76-1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Attapulgitte clay 12174-11-7 (>3)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Mica-potassium aluminum silicate 120001-26-2 (>2)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Calcium carbonate 471-34-1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Amorphous silica 69012-64-2	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Yellow 14 pigment 5468-75-7	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

European Risk and Safety phrases:

EU Classification:	Xn - Irritant	
R Phrases:	20	Harmful by inhalation.
	36/37/38	Irritating to eyes, respiratory system and skin.
S Phrases:	22	Do not breath dust.
	24/25	Avoid contact with skin and eyes
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	36	Wear suitable protective clothing.

U.S. Federal Regulatory Information:

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) - This product does not contain and chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

None of the chemicals in this product are under SARA reporting requirements or have SARA threshold planning quantities (TPQs) or CERCLA reportable quantities (RQs), or are regulated under TSCA 8(d).

SARA 311/312 Hazard Categories:

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
*-Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

* - Only applicable if material is in a pressurized extinguisher.

Clean Water/Clean Air Acts:

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42) or Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61) and Section 112 of the Clean Air Act Amendments of 1990.

U.S. State Regulatory Information:

Chemicals in this product are covered under specific State regulations, as denoted below:

Alaska - Designated Toxic and Hazardous Substances: None

California – Permissible Exposure Limits for Chemical Contaminants: None

Florida – Substance List: Mica Dust

Illinois – Toxic Substance List: None

Kansas – Section 302/303 List: None

Massachusetts – Substance List: Mica Dust

Minnesota – List of Hazardous Substances: None
Missouri – Employer Information/Toxic Substance List: None
New Jersey – Right to Know Hazardous Substance List: None
North Dakota – List of Hazardous Chemicals, Reportable Quantities: None
Pennsylvania – Hazardous Substance List: None
Rhode Island – Hazardous Substance List: Mica Dust
Texas – Hazardous Substance List: No
West Virginia – Hazardous Substance List: None
Wisconsin – Toxic and Hazardous Substances: None

California Proposition 65: No component is listed on the California Proposition 65 list.

Other:

Mexico – Grade	No component listed
Canada – WHMIS Hazard Class	No component listed

Section 16. OTHER INFORMATION

This SDS conforms to requirements under U.S., U.K., Canadian, Australian, and EU regulations or standards, and conforms to the proposed 2003 ANSI Z400.1 format.

Issuing Date	17-June-2012
Revision Date	13-March-2018
Revision Notes	None

The information herein is given in good faith but no warranty, expressed or implied, is made.
Updated by William F. Garvin, CIH.

Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

NFPA Fire: 0

Health: 2

Reactivity: 0

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Company Name, Address: **The Fuller Brush Company - P.O. Box 729 - Great Bend, KS 67530**

Product Name: All Purpose Rug Spotter

Product Number: 9018

Chemical Family: Aqueous solution of surfactants & solvents.

Package Size: 32 fl.oz; 0.9 L

EPA Reg. No: N/A

Emergency Telephone No. (620) 792-1711

International:

Preparer LG

Date: 03/03/08

SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

Hazardous Components	CAS#	OSHA TWA	ACGIH TWA	Percent
*Water	7732-18-5	NE	NE	<90
Dipropylene glycol monomethyl ether	34590-94-8	100 ppm	100 ppm	4
**Ethylene glycol monobutyl ether	111-76-2	50 ppm	20 ppm	4
Ammonia	7664-41-7	50 ppm	25 ppm	<1

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

No Physical Hazards	<input checked="" type="checkbox"/>	Flammable Gas	<input type="checkbox"/>	Flammable Liquid/Solid	<input type="checkbox"/>	Water Reactive	<input type="checkbox"/>
Combustible	<input type="checkbox"/>	Flammable Aerosol	<input type="checkbox"/>	Pyrophoric	<input type="checkbox"/>	Oxidizer	<input type="checkbox"/>
Compressed Gas	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Unstable - Reactive:	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>

Boiling Point, °F: 212F

Solubility in Water: Complete

Evaporation Rate: 1

Vapor Pressure: ND

Specific Gravity (water =1): 1.001

pH: 8.9

Vapor Density: ND

%Volatiles by Weight: 99

Appearance and Odor: Clear colorless liquid with characteristic odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): None

Flammable Limits: LEL: N/A

UEL: N/A

Extinguishing Media: N/A

Special Fire: None

Fighting Procedures:

Unusual Fire and: None

Explosion Hazards:

SECTION V - REACTIVITY DATA

Stability: Unstable
Stable Conditions to Avoid: None

Incompatibility: Mix only with water.
(Materials to Avoid)

Hazardous Decomposition: None

Products or Byproducts:

Hazardous Polymerization: May Occur: Will Not Occur:

Conditions to Avoid: None

Comments:

*Added to comply with the Pennsylvania Worker Right to Know Act of 1984 and the New Jersey Worker and Community Right To Know Act of 1983. Volatile Organic Compounds (VOC)= 8 % (calculated)

**This product contains one or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. See the Hazardous Components in Section II.

SECTION VI - HEALTH HAZARD DATA

9018

Route (s) of entry: Inhalation Skin: Eye: Ingestion:

No Health Hazard	<input type="checkbox"/>	Reproductive toxin	<input type="checkbox"/>	Sensitizer	<input type="checkbox"/>
Toxic	<input type="checkbox"/>	Irritant	<input checked="" type="checkbox"/>	Carcinogen	<input type="checkbox"/>
Highly Toxic	<input type="checkbox"/>	Corrosive	<input type="checkbox"/>	See Target Organs	<input checked="" type="checkbox"/>

TARGET ORGANS

Lungs	<input checked="" type="checkbox"/>	Eyes	<input checked="" type="checkbox"/>	Blood	<input checked="" type="checkbox"/>	Teratogen	<input type="checkbox"/>	Mucous Membranes	<input checked="" type="checkbox"/>
Heart	<input type="checkbox"/>	Skin	<input checked="" type="checkbox"/>	Liver	<input checked="" type="checkbox"/>	Central Nervous System	<input type="checkbox"/>	Autonomic Nervous System	<input type="checkbox"/>
Kidney	<input checked="" type="checkbox"/>	Prostate	<input type="checkbox"/>	Mutagen	<input type="checkbox"/>	Cardiovascular System	<input type="checkbox"/>	Respiratory System	<input checked="" type="checkbox"/>

Carcinogenicity: None Known NTP: IARC: OSHA Regulated

Medical Conditions Generally Aggravated by Exposure:

Persons with respiratory problems may experience discomfort due to ammonia.

Signs and Symptoms of Exposure:

Causes eye or skin irritation. May cause respiratory irritation. May be harmful if swallowed, inhaled, or absorbed. Possible hemolysis and hemoglobinuria with overexposure.

Emergency and First Aid Procedures:

If in eyes or on skin, immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists. If swallowed, get medical attention. If inhaled, remove to fresh air. Get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:

Small amounts: Mop up and rinse with water. Large amounts: Use inert absorbent, and place in a container for disposal.

Waste Disposal Method:

Small amount: Dispose in trash container. Large amount: Dispose in accordance with Local, State and Federal regulations.

Potential EPA Hazardous Waste Code(s): N/A

Steps to be taken in handling and storage:

Protect from freezing. Store at 40 - 90 F. Read and follow Label use Directions. Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

Respiratory Protection(Specify Type):

Not required

Ventilation:	Local Exhaust:	Recommended	Special:	Not required
	Mechanical:	Recommended		

Protective Gloves: Required Eye Protection: Required

Other Protective Clothing and Equipment:

None required

SECTION IX - SHIPPING INFORMATION

DOT Proper Shipping Name and Number:

Not Restricted

NE = Not Established

N/A = Not Applicable



Material Safety Data Sheet

The Armor All/STP Products Company

44 Old Ridgebury Road
Suite 300
Danbury, CT 06810
Tel. 1-203-205-2900

1. Product And Company Identification

Product Name: ARMOR ALL® Wheel Protectant Aerosol

Responsible Party: The Armor All/STP Products Company
44 Old Ridgebury Road
Suite 300
Danbury, CT 06810

Information Phone Number: +1 203-205-2900

Emergency Phone Number:

For Medical Emergencies, call 1-866-949-6465 / +1 303-389-1332 (Outside US and Canada)
For Transportation Emergencies, call 1-800-424-9300 (Chemtrec) +1-703-527-3887 for
Outside US and Canada (call collect)

MSDS Date Of Preparation: 03/21/12

Product Use: Automotive maintenance product – For consumer and professional use

2. Hazards Identification

EMERGENCY OVERVIEW WARNING!

Flammable aerosol. Contents under pressure. Combustible liquid and vapor. Harmful if swallowed. May cause mild eye, and skin irritation. Mists may cause respiratory irritation. Avoid eye contact. Keep away from heat, sparks and all other sources of ignition.

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Liquefied Petroleum Gas (propane, isobutane)	74-98-6 / 75-28-5	40-60%
Decamethylcyclopentasiloxane	541-02-6	40-60%
Triethoxyoctylsilane	2943-75-1	1-5%

4. First Aid Measures

Inhalation: If symptoms of exposure develop, remove to fresh air. Seek medical attention if breathing problems or irritation persist.

Skin Contact: Remove contaminated clothing. Wash exposed skin with soap and water. If skin irritation or redness develops, seek medical attention.

Eye Contact: Flush eyes with large amounts of water. If irritation or other symptoms persist, seek medical attention.

Ingestion: Get medical assistance by calling an emergency room or poison control center. Never give anything by mouth to a person who is unconscious or drowsy.

5. Firefighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.



Material Safety Data Sheet

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Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting cans.

Unusual Fire Hazards: Contents under pressure. Keep away from ignition source and open fire. Exposure of containers to heat and flames can cause them to rupture often with violent force. Combustible liquid and vapor.

Hazardous Combustion Products: Burning may produce carbon monoxide, carbon dioxide, silicone dioxide and formaldehyde.

6: Accidental Release Measures

Personal Precautions: Eliminate all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing and equipment.

Environmental Precautions: Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations.

Methods for Containment and Clean-Up: Place leaking can in a pail in a well ventilated area away from ignition sources until pressure has dissipated. Collect liquid using non-combustible absorbents and place into a suitable container for disposal.

7. Handling and Storage

Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use with adequate ventilation. Keep away from heat, sparks, hot surfaces and open flames. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture or incinerate containers.

Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C (NFPA 30B) Level 3 Aerosol.

8. Exposure Controls / Personal Protection

CHEMICAL	EXPOSURE LIMIT
Propane	1000 ppm TWA OSHA PEL
	1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
Isobutane	1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
Decamethylcyclpentasiloxane	10 ppm TWA Manufacturer recommended
Triethoxyoctylsilane	None Established

Ventilation: General ventilation should be adequate for normal use. For operations where the TLV may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits. Use explosion proof equipment where required.

Respiratory Protection: None under normal use conditions. For operations where the TLV may be exceeded, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134; all applicable laws and regulations; and good industrial hygiene practice.

Gloves: Impervious gloves are recommended for prolonged or repeated skin contact.



Material Safety Data Sheet

The Armor All/STP Products Company

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Eye Protection: Safety glasses are recommended if eye contact is possible.

Other Protective Equipment/Clothing: Appropriate protective clothing as needed to prevent prolonged/ repeated skin contact.

9. Physical and Chemical Properties

Appearance And Odor: Liquid in aerosol can.

pH: Not determined	Specific Gravity: ~0.96
Boiling Point: Not determined	Vapor Pressure: Not determined
Freezing Point: Not determined	Vapor Density: Not determined
Solubility in Water: Slight	Percent Volatile: Not determined
Viscosity: Not determined	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	Viscosity: Not available
Flash Point: 174.2°F (79°C) (For liquid)	Autoignition Temp: Not determined
Flammability Limits: LEL: 1.8% (Liquefied Petroleum Gas)	UEL: 9.5% (Liquefied Petroleum Gas)
Flame extension: 14" with flash back	

10. Stability and Reactivity

Stability: Stable

Conditions To Avoid: Keep away from excessive heat, sparks and open flames. Containers may rupture at temperatures > 120°F (48.8°C)

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: Burning may produce carbon monoxide, carbon dioxide, silicone dioxide and formaldehyde.

11. Toxicological Information

Acute Hazards:

Inhalation: Mist can irritate the throat and respiratory tract. Prolonged inhalation of propellant may cause symptoms of central nervous system depression including headache, dizziness, nausea, loss of balance, and drowsiness.

Skin Contact: May cause mild skin irritation with redness, itching and burning of the skin.

Eye Contact: Direct contact may cause mild eye irritation with redness, and tearing.

Ingestion: If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing large amounts may be harmful.

Chronic Hazards: Exposures to decamethylcyclopentasiloxane has caused the following effects in laboratory animals: Liver enlargement due to an increase in metabolizing enzymes. When the exposure was stopped the livers returned to normal.

Medical Conditions Aggravated By Exposure: None known.

Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or ARMOR ALL® Wheel Protectant Aerosol



® Material Safety Data Sheet

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OSHA. Decamethylcyclpentasiloxane: A statistically significant increase in the trend for uterine endometrial tumors was observed in female rats exposed for 24 months at the highest dose level of 160 ppm.

Acute Toxicity Values:

Propane	LC50 Rat inhalation >800,000 ppm
Isobutane	LC50 Rat inhalation 658 mg/l/4 hr
Decamethylcyclpentasiloxane	LC50 Rat inhalation >2700 mg/m ³ /4 hr; LD50 Rat oral >24134 mg/kg;
	LD50 Rabbit Dermal 16 mL/kg
Triethoxyoctylsilane	LD50 Rat oral 10.06 mL/kg; LD50 Rabbit Dermal 5.91 mL/kg

12. Ecological Information

No data available.

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Offer empty containers for recycling.

14. Transport Information

DOT Hazardous Materials Description:

Proper Shipping Name: Consumer Commodity
UN Number: None
Hazard Class/Packing Group: ORM-D
Labels Required: None required

Canadian TDG Hazardous Materials Description:

Proper Shipping Name: Consumer Commodity
UN Number: None
Hazard Class/Packing Group: None
Labels Required: None

IMDG Dangerous Goods Description: UN1950, Aerosols, 2.1

15. Regulatory Information

United States:

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA Section 103: This product has no RQ. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Fire Hazard, Sudden Release of Pressure



® Material Safety Data Sheet

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SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Canada:

Canadian WHMIS Classification: Class B-5 (Flammable Aerosol)

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian DSL.

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Rating (NFPA 704):	Health: 1	Fire: 4	Instability: 0
HMIS Rating:	Health: 1	Fire: 4	Reactivity: 0

REVISION SUMMARY: Changes to section 2.

DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH

U.S. Department of Health & Human Services



Household Products Database

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Brand Information

Product Name: Behr Ceiling Paint Flat Acrylic Latex, No. 558 Ulti White**Form:** liquid**Product Category:** Home Maintenance » Ceiling » paint, flat, acrylic latex
Home Maintenance » Paint » ceiling, acrylic/latex**Customer Service:** 800-854-0133**Date Entered:** 2001-06-25**Related Items:** [Products with similar usage in this database](#)

Manufacturer

Manufacturer: Behr Process Corp.**Address:** 3400 W. Segerstrom Avenue**City:** Santa Ana**State:** CA**Zip Code:** 92704**Telephone Number:** 714-545-7101**Fax Number:** 714-241-1002**Toll Free Number:** 800-854-0133**Date Info Verified:** 2008-01-09**Related Items:** [Products by this manufacturer](#)

The following information (**Health Effects, Handling/Disposal, and Ingredients**) is taken from the product label and/or the Material Safety Data Sheet (MSDS) prepared by the manufacturer. The National Library of Medicine does not test products nor does it evaluate information from product label or the MSDS.

Health Effects

Enter text or highlight term...

Warnings: Warning! This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Warning! Irritant! Harmful if swallowed. Contains: glycol. May cause eye, nose and throat irritation. Avoid contact with skin and eyes and avoid breathing of vapors and spray. Wear eye protection and protective clothing. Use only with adequate ventilation. To avoid breathing vapor from spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air. If properly used, a respirator (NIOSH approved for chemical vapor with p series particulate pre-filter) may offer additional protection; obtain professional advice before using. A du

does not provide protection against vapors. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use. Keep out of reach of children - do not ingest internally.

Acute Health Effects: From MSDS

Inhalation: Product is a mild irritant. Effects are temporary and reversible. Vapor odors may cause irritation in the upper and lower respiratory tracts, nausea, headaches, and dizziness.

Eye Contact: Product is a mild irritant. Effects are temporary and reversible. May cause irritation, redness, and tearing.

Skin Contact: Product is a mild irritant. Effects are temporary and reversible. May cause minor irritation and/or redness. If absorbed into skin. Repeated skin contact may result in the development of an allergic skin reaction in a small number of individuals.

Ingestion: Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea and gastrointestinal irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE TO
Available toxicology, chemical and physical data show that overexposure is unlikely to aggravate any medical conditions.

Chronic Health Effects: From MSDS

None known.

Carcinogenicity: From MSDS

Product is not a known carcinogen.

First Aid: From MSDS**EMERGENCY AND FIRST AID PROCEDURES**

EYE CONTACT: Flush with water for 15 minutes. Expose to fresh air. Call Physician immediately.

SKIN CONTACT: Wash with soap and water for 15 minutes.
INHALATION: Remove to fresh air. Call physician if experiencing any difficulty breathing.

INGESTION: DO NOT INDUCE VOMITING! CALL PHYSICIAN IMMEDIATELY. Activated charcoal may be administered. If conscious, feed two glasses of water.

Health Rating: 1

Flammability Rating: 0

Reactivity Rating: 0

HMIS Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe
N = No information provided by manufacturer; * = Chronic Hazard

MSDS Date: 2000-04-07

Handling/Disposal

Handling: From MSDS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Keep containers closed when not in use. Do not store or use near heat, flames, or strong oxidants. Store in cool, well-ventilated area.

ventilated areas. Rotate stock to use older material first for leaks or cracks in all containers.

OTHER PRECAUTIONS: Do not store in freezing areas. Do not store at temperatures above 32 degrees F. Empty containers may still contain residues (vapors, liquid or solid), therefore all empty containers should be subjected to the same hazard precautions given on the MSDS. Keep away from children!

Disposal: From MSDS

Product does not meet the definition of hazardous waste under the U.S. EPA regulations. However state or local hazardous waste regulations may apply if they are different from the federal regulations. Triple rinse container, then dispose of in a landfill, if allowed by local regulation.

Ingredients from MSDS/Label

Chemical	CAS No / Unique ID	Percentage
Ethylene glycol	000107-21-1	4.0
Methylisothiazolinone	002682-20-4	<0.1
Methylchloroisothiazolinone	026172-55-4	<0.1

Note: Brand names are trademarks of their respective holders.
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Customer Service: tehip@tehl.nlm.nih.gov
Last updated: September 26, 2008

SAFETY DATA SHEET

Issuing Date 03-Apr-2015

Revision Date 03-Apr-2015

Revision Number 2



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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Clean-ups

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Wipes, Cleaning (with Chemical)

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Lee Products Company

Supplier Address 800 E 80th St
Bloomington
MN
55420
US

Supplier Phone Number Phone:612-281-1262
Fax:952-854-7177
Contact Phone952-698-1964

Supplier Email faye.roy@leeproducts.com

Emergency telephone number

2. HAZARDS IDENTIFICATION

Classification


This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious eye damage/eye irritation	Category 2A
-----------------------------------	-------------

GHS Label elements, including precautionary statements



Emergency Overview

Signal word	Warning	
Hazard Statements Causes serious eye irritation		
		
Appearance White	Physical state Pre-Moistened Towelette (free liquids)	Odor Fragranced

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

2.39% of the mixture consists of ingredient(s) of unknown toxicity

Other information

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Isopropyl alcohol	67-63-0	7 - 13	*
Ethylene oxide-Nonylphenol polymer	9016-45-9	1 - 5	*
Benzalkonium chloride	8001-54-5	0.1 - 1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

General Advice

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. If symptoms persist, call a physician.

Skin contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Inhalation

Remove to fresh air. If symptoms persist, call a physician.

Ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects Burning sensation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Uniform Fire Code

Irritant: Liquid
Combustible Liquid: II

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions

Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products Strong oxidizing agents. Acids. Chlorinated compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m ³ TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection None required for consumer use. If splashes are likely to occur: Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties



Physical state	Pre-Moistened Towelette (free liquids)		
Appearance	White	Odor	Fragranced
Color	No information available	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	7	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	100 °C / 212 °F	None known	
Flash Point	38 C / 100.4 F	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Specific Gravity	.99	None known	
Water Solubility	Completely soluble	None known	
Solubility in other solvents	No data available	None known	
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Explosive properties	No data available	None known	
Oxidizing properties	No data available		

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

10. STABILITY AND REACTIVITY**Reactivity**

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong oxidizing agents. Acids. Chlorinated compounds.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Irritating to eyes. Expected to be an irritant based on components. May cause temporary eye irritation.
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rabbit)	= 16000 ppm (Rat) 8 h
Ethylene oxide-Nonylphenol polymer 9016-45-9	-	= 1780 µL/kg (Rabbit)	-
Benzalkonium chloride 8001-54-5	= 240 mg/kg (Rat)	= 1420 mg/kg (Rat)	-

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 67-63-0		Group 3		X

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity No known effect based on information supplied.

Target Organ Effects Eyes. Respiratory system. Skin. Blood. Cardiovascular system. Kidney. Liver. Spleen. Systemic Toxicity.

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)

36,633.00 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl alcohol 67-63-0	96h EC50: > 1000 mg/L (Desmodesmus subspicatus) 72h EC50: > 1000 mg/L (Desmodesmus subspicatus)	96h LC50: > 1400000 µg/L (Lepomis macrochirus) 96h LC50: = 11130 mg/L (Pimephales promelas) 96h LC50: = 9640 mg/L (Pimephales promelas)		48h EC50: = 13299 mg/L
Benzalkonium chloride 8001-54-5		96h LC50: 0.223 - 0.46 mg/L (Lepomis macrochirus) 96h LC50: 0.823 - 1.61 mg/L (Oncorhynchus mykiss) 96h LC50: = 2.4 mg/L (Oryzias latipes) 96h LC50: = 1.3 mg/L (Poecilia reticulata)	EC50 = 0.6 mg/L 15 min	

Persistence and Degradability

No information available.

Bioaccumulation

Chemical Name	Log Pow
Isopropyl alcohol 67-63-0	0.05

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

California Hazardous Waste Codes 331

Chemical Name	California Hazardous Waste
Isopropyl alcohol 67-63-0	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

NOT REGULATED (IF SHIPPED IN NON BULK PACKAGING BY GROUND TRANSPORT)

Proper Shipping Name NON-REGULATED
Hazard Class N/A
Description NOT REGULATED
Emergency Response Guide Number 127

TDG

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Description UN1987, ALCOHOLS, N.O.S., 3, III

MEX

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Description UN1987, ALCOHOLS, N.O.S., 3, III

ICAO

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Description UN1987, ALCOHOLS, N.O.S., 3, III

IATA

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III



Description UN1987, ALCOHOLS, N.O.S., 3, III

IMDG/IMO

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
EmS-No. F-E, S-E
Description UN1987, ALCOHOLS, N.O.S., 3, III, FP 28C

RID

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Classification code F1
Description UN1987, ALCOHOLS, N.O.S., 3, III

ADR

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Classification code F1
Description UN1987, ALCOHOLS, N.O.S., 3, III

ADN

UN-No. UN1987
Proper Shipping Name ALCOHOLS, N.O.S.
Hazard Class 3
Packing Group III
Classification code F1
Special Provisions 601, 274
Description UN1987, ALCOHOLS, N.O.S., 3, III
Hazard Labels 3
Limited Quantity 5 L
Ventilation VE01

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
 DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl alcohol - 67-63-0	67-63-0	7 - 13	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes



Fire Hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Isopropyl alcohol 67-63-0	X	X	X	X	

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Isopropyl alcohol 67-63-0 (7 - 13)		Mexico: TWA 400 ppm Mexico: TWA 980 mg/m ³ Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m ³

Mexico - Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 3	Instability 0	Physical and Chemical Hazards - Personal Protection X
HMIS	Health Hazards 2	Flammability 1	Physical Hazard 0	

Prepared By Product Stewardship
 23 British American Blvd.
 Latham, NY 12110
 1-800-572-6501

Issuing Date 03-Apr-2015
Revision Date 03-Apr-2015
Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at



the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet





The Clorox Company
 1221 Broadway
 Oakland, CA 94612
 Tel. (510) 271-7000

Material Safety Data Sheet

I Product:	CLOROX® DISINFECTING WIPES	
Description:	FRAGRANCED, MOISTENED TOWELETTE	
Other Designations	Distributor	Emergency Telephone Nos.
EPA Reg. No. 5813-58	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300

II Health Hazard Data <u>Eye Contact:</u> Can cause moderate eye irritation. <u>Ingestion:</u> Liquid should be practically non-toxic if ingested. <u>Skin Contact:</u> Prolonged skin contact may produce minor irritation. FIRST AID: EYES- Flush with plenty of water. Call a physician if irritation persists. IF SWALLOWED- Drink a glassful of water. Call a physician or poison control center. SKIN- Wash thoroughly with soap and water after handling. INHALATION- If breathing is affected, move to fresh air. Under normal consumer use conditions the likelihood of any adverse health effects are low.	III Hazardous Ingredients <table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>n-Alkyl (C14, 60%; C16, 30% C12, 5%; C18, 5%) dimethylbenzyl ammonium chloride</td> <td>0.145%</td> <td>Not established</td> </tr> <tr> <td>n-Alkyl (C12, 68%, C14, 32%) Dimethyl Ethylbenzyl ammonium chloride</td> <td>0.145%</td> <td>Not established</td> </tr> <tr> <td>Isopropanol CAS #67-63-0</td> <td>1- 5%</td> <td>400 ppm/500 ppm¹ 400 ppm²</td> </tr> </tbody> </table> <p>¹1998 ACGIH, TLV-TWA/STEL TLV-TWA- Threshold Limit Value-Time Weighted Average. STEL- Short Term Exposure Limit ²PEL- OSHA Permissible Exposure Limit</p> <p>None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	n-Alkyl (C14, 60%; C16, 30% C12, 5%; C18, 5%) dimethylbenzyl ammonium chloride	0.145%	Not established	n-Alkyl (C12, 68%, C14, 32%) Dimethyl Ethylbenzyl ammonium chloride	0.145%	Not established	Isopropanol CAS #67-63-0	1- 5%	400 ppm/500 ppm ¹ 400 ppm ²
Ingredient	Concentration	Worker Exposure Limit											
n-Alkyl (C14, 60%; C16, 30% C12, 5%; C18, 5%) dimethylbenzyl ammonium chloride	0.145%	Not established											
n-Alkyl (C12, 68%, C14, 32%) Dimethyl Ethylbenzyl ammonium chloride	0.145%	Not established											
Isopropanol CAS #67-63-0	1- 5%	400 ppm/500 ppm ¹ 400 ppm ²											

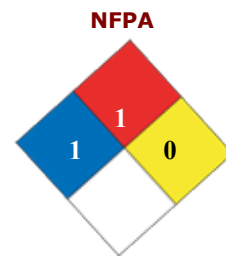
IV Special Protection and Precautions No special protection or precautions have been identified for using this product under directed consumer use conditions. The following recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale or prolonged exposure. <u>Hygienic Practices-</u> Wear safety glasses. Use rubber or nitrile gloves if in contact liquid, especially for prolonged periods. <u>Engineering Controls:</u> Use general ventilation to minimize exposure to vapor or mist. <u>Work Practices:</u> Avoid eye and skin contact and inhalation of vapor or mist. Avoid contact with food. Not for personal cleansing. KEEP OUT OF THE REACH OF CHILDREN	V Transportation and Regulatory Data <u>U.S. DOT, IATA, IMG Hazard Class:</u> Not restricted. <u>U.S. DOT Proper Shipping Name:</u> None <u>EPA- SARA Title III/CERCLA:</u> Product may be regulated under Sections 311/312. This product contains no chemicals regulated under Section 304/CERCLA or Section 313. <u>TSCA/DSL:</u> All chemicals in this product are listed on the TSCA Inventory. The DSL status for some components has not been determined.
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VI Spill Procedures/Waste Disposal <u>Spill Procedures:</u> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed down material. <u>Waste Disposal:</u> Disposal must be made in accordance with applicable federal, state and local regulations.	VII Reactivity Data <u>Stability:</u> Mixing with sodium hypochlorite may release small amounts of formaldehyde gas. <u>Storage/Disposal:</u> Do not use or store near heat or open flame.
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VIII Fire and Explosion Data Flashpoint: >119°F Method: Closed cup. Unusual Fire and Explosion Hazards: None	IX Physical Data Flashpoint..... >119°F Specific Gravity..... 0.99 g/cc. pH..... 5.0-6.0 Solubility in Water..... Liquid is completely dispersible
---	---

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Color Place Interior Latex Flat Light Paint
Product Code: P310
MSDS Manufacturer Number: P310
Manufacturer Name: Masterchem Industries LLC
Address: 3135 Old Highway M
 Imperial, MO 63052-2834
General Phone Number: (636) 942-2510
General Fax Number: (636) 942-3663
Customer Service Phone Number: (800) 325-3552
CHEMTREC: For emergencies in the US, call CHEMTREC:
 800-424-9300
Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)
MSDS Creation Date: June 26, 2006
MSDS Revision Date: April 27, 2010
MSDS Format: According to ANSI Z400.1-2004



HMIS

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	x

* Chronic Health Effects

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Vinyl acrylic polymer	No data	10 - 30 by weight
Undisclosed/Proprietary	No data	1 - 5 by weight
Titanium dioxide	13463-67-7	10 - 30 by weight
Non hazardous ingredient(s)	Not applicable	30 - 60 by weight
Clay (kaolin)	1332-58-7	10 - 30 by weight
Limestone	Not applicable	1 - 5 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Irritant.
Potential Health Effects:
Eye: May cause irritation.
Skin: May cause irritation.

Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause vomiting.
Chronic Health Effects:	Prolonged or repeated contact may cause skin irritation.
Signs/Symptoms:	Overexposure may cause headaches and dizziness.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions:	None generally recognized.

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	No Data
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Titanium dioxide:

Guideline ACGIH:	TLV-TWA: 10 mg/m ³
Guideline OSHA:	OSHA-TWA: 15 mg/m ³

Clay (kaolin):

Guideline ACGIH:	TLV-TWA: 2 mg/m ³ (Respirable)
Guideline OSHA:	OSHA-TWA: 5 mg/m ³ Respirable

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Boiling Point:	No Data
Melting Point:	No Data
Density:	10 - 12 Lbs./gal.
Vapor Density:	Greater than 1 (Air = 1).
pH:	No Data
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	No Data
VOC Content:	Material VOC: 13 gm/l (Includes Water) Coating VOC.: 39 gm/l (Excludes Water) The addition of colorant may add VOCs.

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

SECTION 11 - TOXICOLOGICAL INFORMATION

Titanium dioxide :

RTECS Number:	XR2275000
Skin:	Skin - Rabbit; Standard Draize test. : 300 ug/3D; (Intermittent) mild. (RTECS)
Ingestion:	Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - Hypermotility, diarrhea Gastrointestinal - Other changes. (RTECS)
Carcinogenicity:	IARC: Group 2B: Possibly carcinogenic to humans.

Clay (kaolin) :

RTECS Number:	GF1670500
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SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.
Environmental Fate: No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 - TRANSPORT INFORMATION

DOT UN Number: No Data
DOT Hazard Class: No Data

SECTION 15 - REGULATORY INFORMATION

Titanium dioxide :

TSCA Inventory Status: Listed
State Regulations: Listed in the New Jersey State Right to Know List.
Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL: Listed

Clay (kaolin) :

TSCA Inventory Status: Listed
State Regulations: Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL: Listed

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 1
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Personal Protection: x
HMIS Other: x

MSDS Creation Date: June 26, 2006
MSDS Revision Date: April 27, 2010
MSDS Revision Notes: Quarterly formula update
MSDS Author: Actio Corporation

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

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Compucessory Power Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 10/13/2015

Revision date: 10/26/2017

Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Substance name : Compucessory Power Duster
Product code : CCS24300/SPJR; CCS24305/SPXL; CCS24302/SPXL2; CCS24306/SPXL6; CCS24313/SPM

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Dust Removal

1.3. Details of the supplier of the safety data sheet

Falcon Safety Products, Inc.
25 ImClone Drive
Branchburg, NJ 08876 - USA
T (908) 707-4900

1.4. Emergency telephone number

Emergency number : (800) 498-7192

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

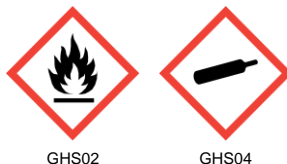
GHS-US and GHS-CA classification

Flam. Aerosol 2
Press. Gas (Liquified Gas)

2.2. Label elements

GHS-US and GHS-CA labelling

Hazard pictograms (GHS-US/GHS-CA) :



Signal word (GHS-US/GHS-CA) : Warning
Hazard statements (GHS-US/GHS-CA) : Flammable aerosol. Contains gas under pressure; may explode if heated.
Precautionary statements (GHS-US/GHS-CA) : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.

2.3. Other hazards

Do not store in enclosed vehicle.

2.4. Unknown acute toxicity (GHS US/GHS CA)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance

Name	Product identifier	%
1,1-Difluoroethane	(CAS No) 75-37-6	100

3.2. Mixture

Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists. May cause frostbite.

Compucessory Power Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression.
- Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite on contact with the liquid.
- Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite on contact with the liquid.
- Symptoms/injuries after ingestion : Not a normal route of exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray, water fog, dry chemical, alcohol resistant foam, carbon dioxide.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

- Firefighting instructions : DO NOT fight fire when fire reaches explosives. Evacuate area. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.
- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

6.2. Methods and material for containment and cleaning up

- For containment : Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).
- Methods for cleaning up : Leave the product to evaporate. Provide ventilation.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use. Keep away from sources of ignition - No smoking.
- Precautions for safe handling : Do not spray on an open flame or other ignition source. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Provide local exhaust or general room ventilation. When using do not eat, drink or smoke. Prevent the build-up of electrostatic charge. Use non-sparking tools.
- Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep out of the reach of children. Keep container dry and in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep in fireproof place. Store in original container. Do not store in enclosed vehicle.

7.3. Specific end use(s)

Not available.

Compucessory Power Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1,1-Difluoroethane (75-37-6)	
ACGIH	Not applicable.
OSHA	Not applicable.
NIOSH	Not applicable.
IDLH	Not applicable.

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear suitable gloves.
Eye protection	: Safety glasses with side shields.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Appearance	: Clear
Color	: Colourless
Odor	: Slight, ether-like
Odor threshold	: No data available
pH	: Neutral
Melting point	: No data available
Freezing point	: No data available
Boiling point	: -13 °F (- 25 °C)
Flash point	: < 58 °F (<14.4 °C)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Flammable
Explosion limits	: 3.9-16.9
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: 5960 kPa at 77 °F (25 °C)
Relative density	: 0.91
Relative vapor density at 20 °C	: 2.4 at 77 °F (25 °C)
Specific gravity / density	: 0.9
Solubility	: Slightly
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available.

Compucessory Power Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions. Flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials. Sources of ignition. Do not expose to temperatures exceeding 50 °C/ 122 °F.

10.5. Incompatible materials

Alkali and alkaline earth metals. Powdered metals. Powdered metallic salts.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Compucessory Power Duster	
LD50 oral rat	1500 mg/kg
LD50 dermal rabbit	No data available
LC50 inhalation rat	64000 ppm

Skin corrosion/irritation	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression.
Symptoms/injuries after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite on contact with the liquid.
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite on contact with the liquid.
Symptoms/injuries after ingestion	: Not a normal route of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Compucessory Power Duster	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Compucessory Power Duster	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

Compucessory Power Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Container under pressure. Do not drill or burn even after use.
- Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

- In accordance with DOT
- UN-No. (DOT) : UN1030
- Proper Shipping Name (DOT) : 1,1-Difluoroethane
- Transport hazard class(es) (DOT) : 2.1
- Hazard labels (DOT) :



- Packaging Exceptions : Falcon Safety Products has been granted a DOT special permit. A copy of DOT Special Permit SP-11516 can be obtained by calling Falcon Safety Products, Inc. at 908-707-4900.

Transportation of Dangerous Goods (TDG)

- In accordance with TDG
- UN-No.(TDG) : UN1030
- Proper Shipping Name (TDG) : 1,1-Difluoroethane
- Class (TDG) : 2.1
- Hazard labels (TDG) :



- Packaging Exceptions : TDG Canada: Falcon Safety Products has been granted Equivalency Certificate SU 9211 (ren. 1) by the TCSS, TDGD to offer for transport by road, rail and marine.

Transport by sea

- UN-No. (IMDG) : UN1030
- Proper Shipping Name (IMDG) : 1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)
- Class (IMDG) : 2.1

Air transport

- UN-No. (IATA) : UN1030
- Proper Shipping Name (IATA) : 1,1-Difluoroethane
- Class (IATA) : 2.1

Additional information

- Other information : No supplementary information available.
- Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

1,1-Difluoroethane (75-37-6)

Listed on the Canadian DSL (Domestic Substances List)

15.2. US State regulations

Compucessory Power Duster

State or local regulations : This product does not contain a chemical known to the State of California to cause cancer,

Compucessory Power Duster

Safety Data Sheet

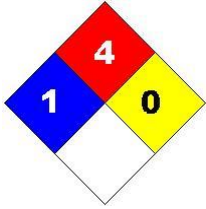
according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Compucessory Power Duster	
	birth defects or other reproductive harm.

SECTION 16: Other information

Date of issue : 10/13/2015
Revision date : 10/26/2017
Other information : None.

Mexico Classification:



Blue = Health **Red = Flammability** **Yellow = Reactivity** **White = Special**
Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

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**Material Safety
Data Sheets**

(D)

DIRT FIGHTER
DUTCH BOY ACRYLIC LATEX PAINT

Division of Facilities Services

**DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only**

DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Section 1 - Product and Company Identification	Section 9 - Physical & Chemical Properties
Section 2 - Composition/Information on Ingredients	Section 10 - Stability & Reactivity Data
Section 3 - Hazards Identification Including Emergency Overview	Section 11 - Toxicological Information
Section 4 - First Aid Measures	Section 12 - Ecological Information
Section 5 - Fire Fighting Measures	Section 13 - Disposal Considerations
Section 6 - Accidental Release Measures	Section 14 - MSDS Transport Information
Section 7 - Handling and Storage	Section 15 - Regulatory Information
Section 8 - Exposure Controls & Personal Protection	Section 16 - Other Information

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**Section 1 - Product and Company Identification
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-**

Product Identification: DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Date of MSDS: 06/01/1988 **Technical Review Date:** 12/30/1991

FSC: 8010 **NIIN:** LIIN: 00N023911

Submitter: N EN

Status Code: C

MFN: 01

Article: N

Kit Part: N

Manufacturer's Information

Manufacturer's Name: DUTCH BOY
Post Office Box: 6709
Manufacturer's Address1:
Manufacturer's Address2: CLEVELAND, OH 44101
Manufacturer's Country: US
General Information Telephone: 216-566-2902
Emergency Telephone: 216-566-2917
Emergency Telephone: 216-566-2917
MSDS Preparer's Name: N/P
Proprietary: N
Reviewed: N
Published: Y
CAGE: 85231
Special Project Code: N

Contractor Information

Contractor's Name: DUTCH BOY
Post Office Box: 6709
Contractor's Address1:
Contractor's Address2: CLEVELAND, OH 44101
Contractor's Telephone: 216-566-2902
Contractor's CAGE: 59019

Contractor Information

Contractor's Name: DUTCH BOY
Post Office Box: 6709
Contractor's Address1: UNKNOWN
Contractor's Address2: CLEVELAND, OH 44101
Contractor's Telephone: 216-566-2902
Contractor's CAGE: 85231

Section 2 - Composition/Information on Ingredients
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Ingredient Name: NO INGREDIENT FOR THIS FORMULATION_INGREDIENT
Ingredient CAS Number: **Ingredient CAS Code:** X
RTECS Number: **RTECS Code:**
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:

% Text: N/P
% Environmental Weight:
Other REC Limits: N/P
OSHA PEL: N/P **OSHA PEL Code:**
OSHA STEL: OSHA STEL Code:
ACGIH TLV: N/P **ACGIH TLV Code:**
ACGIH STEL: N/P **ACGIH STEL Code:**
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical:

Section 3 - Hazards Identification, Including Emergency Overview
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Health Hazards Acute & Chronic: ACUTE:IRRIT OF EYES, SKIN & UPPER RESP SYS. IN A CONFINED AREA VAPORS IN HIGH CONC MAY CAUSE HDCH, NAUS OR DIZZ. REDNESS & ITCHING OR BURNING SENSATION MAY INDICATE EYE OR EXCESSIVE SKIN EXPOS. CHRONI C:ETHYLENE GLYCOL IS CONSIDERED AN ANIMAL TERATOGEN. IT HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN RATS &(EFTS OF OVEREXP)

Signs & Symptoms of Overexposure:

HLTH HAZ:MICE AT HIGH DOSES WHEN GIVEN IN DRINKING WATER OR BY GAVAGE. THERE IS NO EVIDENCE TO INDICATE IT CAUSES BIRTH DEFECTS IN HUMANS. PRLNGD OVEREXP TO SOLV INGREGS MAY CAUSE ADVERSE EFTS TO LIVE R & URINARY SYS. RATS EXPOSED TO TITANIUM DIOXIDE DUST AT 250 MG/M3 DEVELOPED LUNG CANCER BUT SUCH EXPOSURE (SUPP DATA)

Medical Conditions Aggravated by Exposure:

NONE GENERALLY RECOGNIZED.

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route of Entry Indicators:

Inhalation: YES

Skin: NO

Ingestion: YES

Carcenogenicity Indicators

NTP: NO

IARC: NO

OSHA: NO

Carcinogenicity Explanation: NOT RELEVANT.

Section 4 - First Aid Measures
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

First Aid:

INHAL:REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM & QUIET.
SKIN:WASH AFFECTED AREA THOROUGHLY WITH SOAP & WATER. REMOVE

CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. EYE:FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MD. INGEST:CALL MD IMMEDIATELY.

Section 5 - Fire Fighting Measures
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Fire Fighting Procedures:

WEAR NIOSH/MSHA APPROVED SCBA & FULL PROT EQUIP (FP N). WATER SPRAY MAY BE INEFTIVE. IF WATER IS USED, FOG NOZZ ARE PREF. WATER MAY BE USED TO COOL (SUPP DATA)

Unusual Fire or Explosion Hazard:

CLOSED CONTAINERS MAY EXPLODE (DUE TO THE BUILD-UP OF PRESSURE) WHEN EXPOSED TO EXTREME HEAT.

Extinguishing Media:

CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM.

Flash Point: Flash Point Text: >199F,>93C

Autoignition Temperature:

Autoignition Temperature Text: N/A

Lower Limit(s): N/A

Upper Limit(s): N/K

Section 6 - Accidental Release Measures
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Spill Release Procedures:

REMOVE ALL SOURCES OF IGNITION. VENTILATE AND REMOVE WITH INERT ABSORBENT.

Section 7 - Handling and Storage
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Handling and Storage Precautions:

Other Precautions:

Section 8 - Exposure Controls & Personal Protection
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Respiratory Protection:

ALL RESPS MUST BE NIOSH/MSHA APPRVD. IF PERSONAL EXPOS CANNOT BE CNTRLS BELOW APPLIC LIMITS BY VENT, WEAR PROPERLY FITTED ORGANIC VAP/PARTICULATE RESP FOR PROT. WHEN SANDING/ABRADING DRIED FILM, WEAR DUST/MIST RESP FOR DUST WHICH (ING 4)

Ventilation:

LOC EXHST PREF. GEN EXHST ACCEPTABLE IF EXPOS TO INGREDIENTS IS MAINTAINED BELOW APPLIC EXPOS LIMITS. REFER TO (ING 5)

Protective Gloves:

IMPERVIOUS GLOVES (FP N).

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

Supplemental Health & Safety Information: MFR PT#/TRADE NAME:ANTIQUE WHITE. FIRE FIGHT PROC:CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP/POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. EFTS OF OVEREXP:LEVELS NOT ATTAINABLE I N WORKPLACE. OTHER PREC:& APPROPRIATE LABELING. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.

Section 9 - Physical & Chemical Properties
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

HCC: N1

NRC/State License Number:

Net Property Weight for Ammo:

Boiling Point: Boiling Point Text: 212F,100C

Melting/Freezing Point: Melting/Freezing Text: N/K

Decomposition Point: Decomposition Text: N/K

Vapor Pressure: SEE ING Vapor Density: HVR/AIR

Percent Volatile Organic Content:

Specific Gravity: 1.04-1.23(FP N)

Volatile Organic Content Pounds per Gallon:

pH: N/K

Volatile Organic Content Grams per Liter:

Viscosity: N/P

Evaporation Weight and Reference: SLOWER THAN ETHER

Solubility in Water: N/K

Appearance and Odor: NONE SPECIFIED BY MANUFACTURER.

Percent Volatiles by Volume: 66-75

Corrosion Rate: N/K

Section 10 - Stability & Reactivity Data
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Stability Indicator: YES

Materials to Avoid:

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:

NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:

BY FIRE:CO, CO*2.

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization:

NOT RELEVANT.

Section 11 - Toxicological Information
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Toxicological Information:

N/P

Section 12 - Ecological Information

DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Ecological Information:

N/P

Section 13 - Disposal Considerations
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Waste Disposal Methods:

WASTE FROM PRODUCT IS NOT HAZARDOUS AS DEFINED UNDER RCRA 40 CFR 261. INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING POLLUTION.

Section 14 - MSDS Transport Information
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Transport Information:

N/P

Section 15 - Regulatory Information
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

SARA Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Section 16 - Other Information
DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Other Information:

N/P

HMIS Transportation Information
Product Identification: DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-

Transportation ID Number: 28579

Responsible Party CAGE: 85231

Date MSDS Prepared: 06/01/1988

Date MSDS Reviewed: 03/03/1992

MFN: 03/03/1992

Submitter: N TN

Status Code: C
Container Information
Unit of Issue: NK

Container Quantity: NK

Type of Container:
Net Unit Weight:
Article without MSDS: N

Technical Entry NOS Shipping Number:**Radioactivity:****Form:****Net Explosive Weight:****Coast Guard Ammunition Code:****Magnetism: N/P****AF MMAC Code:****DOD Exemption Number:****Limited Quantity Indicator:****Multiple Kit Number: 0****Kit Indicator: N****Kit Part Indicator: N****Review Indicator: Y****Additional Data:**

NOT REGULATED FOR TRANSPORTATION

Department of Transportation Information**DOT Proper Shipping Name:** NOT REGULATED BY THIS MODE OF TRANSPORTATION**DOT PSN Code:** ZZZ**Symbols:** N/R**DOT PSN Modifier:****Hazard Class:** N/R**UN ID Number:** N/R**DOT Packaging Group:** N/R**Label:** N/R**Special Provision(s):** N/R**Packaging Exception:** N/R**Non Bulk Packaging:** N/R**Bulk Packaging:** N/R**Maximum Quantity in Passenger Area:** N/R**Maximum Quantity in Cargo Area:** N/R**Stow in Vessel Requirements:** N/R**Requirements Water/Sp/Other:** N/R**IMO Detail Information****IMO Proper Shipping Name:** NOT REGULATED FOR THIS MODE OF TRANSPORTATION**IMO PSN Code:** ZZZ**IMO PSN Modifier:****IMDG Page Number:** N/R**UN Number:** N/R**UN Hazard Class:** N/R**IMO Packaging Group:** N/R**Subsidiary Risk Label:** N/R**EMS Number:** N/R**Medical First Aid Guide Number:** N/R**IATA Detail Information****IATA Proper Shipping Name:** NOT REGULATED BY THIS MODE OF TRANSPORTATION**IATA PSN Code:** ZZZ**IATA PSN Modifier:****IATA UN Id Number:** N/R**IATA UN Class:** N/R**Subsidiary Risk Class:** N/R

UN Packaging Group: N/R
IATA Label: N/R
Packaging Note for Passengers: N/R
Maximum Quantity for Passengers: N/R
Packaging Note for Cargo: N/R
Maximum Quantity for Cargo: N/R
Exceptions: N/R

AFI Detail Information

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI Symbols:
AFI PSN Code: ZZZ
AFI PSN Modifier:
AFI UN Id Number: N/R
AFI Hazard Class: N/R
AFI Packing Group: N/R
AFI Label: N/R
Special Provisions: N/A
Back Pack Reference: N/A

HAZCOM Label Information

Product Identification: DIRT FIGHTER INTERIOR LATEX SEMI-GLOSS,573-
CAGE: 85231
Assigned Individual: N
Company Name: DUTCH BOY
Company PO Box: 6709
Company Street Address1: UNKNOWN
Company Street Address2: CLEVELAND, OH 44101 US
Health Emergency Telephone: 16-566-2917
Label Required Indicator: Y
Date Label Reviewed: 12/16/1998
Status Code: C
Manufacturer's Label Number:
Date of Label: 12/16/1998
Year Procured: N/K
Organization Code: G
Chronic Hazard Indicator: N/P
Eye Protection Indicator: N/P
Skin Protection Indicator: N/P
Respiratory Protection Indicator: N/P
Signal Word: N/P
Health Hazard:
Contact Hazard:
Fire Hazard:
Reactivity Hazard:

8/8/2002 6:29:33 PM

Material Safety Data Sheet

1. Chemical Product and Company Identification

DESCRIPTION: ELMER'S NO WRINKLE RUBBER CEMENT
PRODUCT TYPE: NATURAL RUBBER
EMS Catalog # 72170

Distributed by: Electron Microscopy Sciences
321 Morris Road * P.O. Box 251
Fort Washington, PA 19034

Tel: 215-646-1566 or 800-523-5874
Fax: 215-646-8931 email:sgkcck@aol.com

- **Manufacturer/Supplier Information**

MSDS Prepared by:
Elmer's Products, Inc.

For additional health, safety or regulatory information, call 215-646-1566 to place an order or request additional MSDSs.

2. Composition, Information on Ingredients

The ingredients listed below have been associated with one or more immediate and/or delayed(*) health hazards. Risk of damage and effects depends upon duration and level of exposure. BEFORE USING, HANDLING, OR EXPOSURE TO THESE INGREDIENTS, READ AND UNDERSTAND THE MSDS.

	% by weight
67-63-0 *Isopropanol	1-5
142-82-5 Heptane	>70

3. Hazards Identification

3.1 Emergency Overview

Appearance Opaque liquid
Odor Mild solvent

DANGER!

EXTREMELY FLAMMABLE LIQUID AND VAPOR

Overexposure may cause central nervous system depression.

- **HMIS Rating**

HEALTH = 1 (slight)
FLAMMABILITY = 4 (severe)
REACTIVITY = 0 (minimal)
CHRONIC = *

3.2 Potential Health Effects

- **Immediate Hazards**

INGESTION: No hazards known to Borden.

INHALATION: Not expected to be harmful under normal conditions of use. However, overexposure may cause central nervous system depression. Also, if allowed to become airborne, may cause irritation of nose, throat and lungs.

SKIN: May cause irritation on prolonged or repeated contact.

EYES: May cause irritation on prolonged or repeated contact.

Isopropanol 67-63-0

Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation.

Heptane 142-82-5

Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation.

- **Delayed Hazards**

Isopropanol 67-63-0

Suspect reproductive hazard. May cause reproductive disorders based on animal data.

May cause liver damage based on animal data.

May cause kidney damage based on animal data.

-- See Footnote C.

Footnote C: As of the date of issuance of this document, this material has not been listed by NTP, classified by IARC nor regulated by OSHA as a carcinogen.

4. First Aid Measures

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: Remove to fresh air.

SKIN: In case of irritation, flush with water.

EYES: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

5. Fire Fighting Measures

Autoignition Temperature Not available
Upper/Lower Flammable Limits Not available
Up/Lower Explosive Limits, % by Vol Not available/l
Flash Point -4 deg C (TCC)

EXTREMELY FLAMMABLE LIQUID AND VAPOR.

Keep liquid and vapor away from heat, sparks, flame and other ignition sources including, but not limited to, pilot lights, heaters, cigarettes, electric motors and static discharge. Vapor is heavier than air and may settle in low places or travel outward to a source of ignition and flashback.

In case of fire, use water spray, dry chemical, foam or CO₂. Use water to keep fire-exposed containers cool.

6. Accidental Release Measures

Eliminate all ignition sources. Soak up with absorbent material and remove to a chemical disposal area. Prevent entry into natural bodies of water.

7. Handling and Storage

7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.

Wash thoroughly after handling.

INHALATION: Avoid prolonged or repeated breathing of vapor.

SKIN: Persons with sensitive skin should avoid prolonged, continuous contact with skin. If irritation develops, discontinue use.

EYES: Avoid prolonged or repeated contact with eyes.

7.2 Storage

Store in a cool, dry place.
Keep containers tightly closed.
Keep away from heat, sparks, flame and other ignition sources.
Use with adequate ventilation.

8. Exposure Controls/Personal Protection

8.1 Exposure Controls

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

8.2 Personal Protection

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection.

8.3 Exposure Guidelines

Isopropanol 67-63-0
ACGIH TLV: 400 ppm (983 mg/m³) TWA; 500 ppm (1230 mg/m³) STEL
OSHA PEL: 400 ppm (980 mg/m³) TWA
REMANDED PEL: 400 ppm (980 mg/m³) TWA; 500 ppm (1225 mg/m³) STEL
OSHA 1989 PEL remanded, but in effect in some states
Heptane 142-82-5
ACGIH TLV: 400 ppm (1640 mg/m³) TWA; 500 ppm (2050 mg/m³) STEL
OSHA PEL: 500 ppm (2000 mg/m³) TWA
REMANDED PEL: 400 ppm (1600 mg/m³) TWA; 500 ppm (2000 mg/m³) STEL
OSHA 1989 PEL remanded, but in effect in some states

9. Physical and Chemical Properties

Percent Volatiles	90
pH @ 25 C	Not applicable
Specific Gravity	0.71
Appearance	Opaque liquid

Autoignition Temperature	Not available
Boiling Point	90 deg C
Vapor Density (Air=1)	> 1
Vapor Pressure, mm Hg @ 20 C	Not available
Evaporation Rate (Butyl Acetate=1)	< 1---(ether=1)
Upper/Lower Flammable Limits	Not available
Up/Lower Explosive Limits, % by Vol	Not available/1
Flash Point	-4 deg C (TCC)
Freezing Point	Not available
Odor	Mild solvent
Odor Threshold, ppm	Not available
Solubility in Water	Negligible
Coefficient of Water/Oil Distrib.	Not available

10. Stability and Reactivity

Normally stable as defined in NFPA 704-12(4-3.1).

- **Conditions to Avoid:**

Exposure to heat, flame and incompatibles.

- **Incompatibilities:**

Acids, bases, amines.

- **Decomposition products may include:**

CO, CO2.

- **Hazardous polymerization:**

Will not occur.

- **Other Hazards:**

None known to Borden.

11. Toxicological Information

INGESTION: Not toxic orally when tested as described in 16 CFR Part 1500.3 (c) (1) and (2).

INHALATION: Not toxic by inhalation when tested as described in 16 CFR Part 1500.3 (c) (1) and (2).

SKIN: Not toxic dermally when tested as described in 16 CFR

ABSORPTION: Part 1500.3 (c) (1) and (2).
SKIN: Not a primary irritant (primary skin irritation index less than 5.0/8.0) when tested as described in 16 CFR Part 1500.41.
EYES: Slightly irritating when tested as described in 16 CFR Part 1500.42.
Isopropanol 67-63-0
LC50: rat=16000 ppm/8H (Sax)
LD50: orl-rat=5.8 g/kg (Merck); skn-rbt=13 g/kg (Sax)
Heptane 142-82-5
LC50: Not available
LD50: Not available

12. Ecological Information

Not determined.

13. Disposal Considerations

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements.
Empty container: May contain explosive vapors. DO NOT cut, puncture or weld on or nearby.

14. Transport Information

14.1 U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.
ORM-D Consumer Commodity.

14.2 Canadian Transportation of Dangerous Goods (TDG)

Not determined.

15. Regulatory Information (Selected Regulations)

15.1 U.S. Federal Regulations

- **OSHA Hazard Communication Standard 29CFR1910.1200**

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

- **SARA Title III: Section 311/312**

Fire hazard
Delayed health hazard

- **SARA Title III Section 313 and 40 CFR Part 372**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.
None required per SARA TITLE III SECTION 313.

- **TSCA Section 8(b) Inventory**

All reportable chemical substances are listed on the TSCA Inventory. We rely on certifications of compliance from our suppliers for chemical substances not manufactured by Borden.

15.2 Canadian Regulations

- **Workplace Hazardous Materials Information System (WHMIS)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

CLASS D, DIV 2B
CLASS B, DIV 2

- **Canadian Environmental Protection Act (CEPA)**

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

- **National Pollutant Release Inventory (NPRI)**

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory.

Isopropyl alcohol 67-63-0 1.49%

16. Other Information

CL (Cautionary Labeling): Products bearing the CL (Cautionary Labeling) Seal of The Art & Creative Materials Institute, Inc. (ACMI) are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by ACMI's Toxicological Advisory Board. These products are certified by ACMI to be labeled in accordance with the chronic hazard labeling standard, ASTM D-4236 and Federal Law, P.L. 100-695.

- **User's Responsibility**

The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

- **Disclaimer**

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

CUR ISSUE **06/15/2006**
PREVIOUS ISSUE: 00-XXX-00



Material Safety Data Sheet

1. Chemical Product and Company Identification

DESCRIPTION: ELMER'S RENTERS REPAIR KIT: STICKY OUT COMPONENT
 PRODUCT TYPE: SOLVENT BASED CLEANER
 APPLICATION: E783

- Manufacturer/Supplier Information**

MSDS Prepared by:	
Elmer's Products, Inc.	Emergency Phone
Number	
1 Easton Oval	Poison Control
Center	
Columbus, OH 43219	1-888-516-2502
For additional health, safety or regulatory information, call 1-888-435-6377.	
Call 1-800-848-9400 to place an order or request additional MSDSs.	

2. Composition, Information on Ingredients

The ingredients listed below have been associated with one or more immediate and/or delayed(*) health hazards. Risk of damage and effects

depends upon duration and level of exposure. BEFORE USING, HANDLING, OR EXPOSURE TO THESE INGREDIENTS, READ AND UNDERSTAND THE MSDS.

by weight

5989-27-5 *D-	
Limonene	30-50
64742-46-7 *Hydrotreated Middle Distillate (petroleum)	>70
68131-39-5 Alcohols, C12-15, Ethoxylated	5-10

3. Hazards Identification

3.1 Emergency Overview

Appearance Clear pale yellow liquid
Odor Citrus
CAUTION!
COMBUSTIBLE
May be harmful if inhaled. May cause irritation of nose, throat
and
lungs.
Can cause central nervous system depression.
Causes skin irritation.
Causes eye irritation.

- **HMIS Rating**

HEALTH = 2 (moderate)
FLAMMABILITY = 2 (moderate)
REACTIVITY = 0 (minimal)
CHRONIC = *

3.2 Potential Health Effects

- **Immediate Hazards**

INGESTION: Not expected to be harmful under normal conditions of use.
If accidentally swallowed, burns or irritation to mucous membranes, esophagus or GI tract can result.
INHALATION: May be harmful if inhaled. Liquid or vapor may cause irritation of nose, throat and lungs.
Can cause central nervous system depression.
SKIN: Causes irritation.
EYES: Causes irritation.
Hydrotreated Middle Distillate (petroleum) 64742-46-7
Can cause central nervous system depression. Signs and symptoms
may
include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation.
Alcohols, C12-15, Ethoxylated 68131-39-5

Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting and drowsiness.

- **Delayed Hazards**

D-Limonene 5989-27-5

May cause allergic skin reaction and photosensitivity.

Ingestion may cause kidney damage.

-- See Footnote C.

Hydrotreated Middle Distillate (petroleum) 64742-46-7

Can cause lung inflammation. Pre-existing respiratory disorders may be aggravated by exposure.

-- See Footnote C.

Footnote C: As of the date of issuance of this document, this material has not been listed by NTP, classified by IARC nor regulated by OSHA as a carcinogen.

4. First Aid Measures

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control

center or hospital emergency room for any other additional treatment directions.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.

Call a physician.

SKIN: Flush with plenty of water. Remove contaminated clothing. Call a physician if irritation persists.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during

irrigation to insure water contact with entire

surface of eyes and lids. Call a physician.

5. Fire Fighting Measures

Autoignition Temperature Not available

Upper/Lower Flammable Limits Not available

Up/Lower Explosive Limits, % by Vol 6.1/0.7 %

Flash Point 46°C (114°F)

COMBUSTIBLE.

Keep away from heat and flame.

In case of fire, use dry chemical, "alcohol" foam or CO₂; water may be ineffective, but should be used to keep fire-exposed containers cool.

6. Accidental Release Measures

Eliminate all ignition sources. Soak up with absorbent material and remove to a chemical disposal area. Prevent entry into natural bodies of water.

7. Handling and Storage

7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).
INHALATION: Avoid breathing vapor. Use with adequate ventilation.
SKIN: Avoid contact with skin and clothing.
EYES: Avoid contact with eyes.

7.2 Storage

Store at room temperature.
Store in a cool, well-ventilated area.
Store in cool, dry area away from sun, heat, oxidizing materials and alkaline materials.
Keep containers tightly closed.
Keep away from heat, sparks, flame and other ignition sources.

8. Exposure Controls/Personal Protection

8.1 Exposure Controls

ENGINEERING CONTROLS: The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate. If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

8.2 Personal Protection

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection. Use goggles if contact is likely. Wear impervious gloves as required to prevent skin contact.

8.3 Exposure Guidelines

D-Limonene 5989-27-5
ACGIH TLV: NONE ESTABLISHED
OSHA PEL: NONE ESTABLISHED
Hydrotreated Middle Distillate (petroleum) 64742-46-7
ACGIH TLV: 5 mg/m³ TWA Oil mist, mineral; 10 mg/m³ STEL
OSHA PEL: 5 mg/m³ TWA Oil mist, mineral
Alcohols, C12-15, Ethoxylated 68131-39-5
ACGIH TLV: NONE ESTABLISHED
OSHA PEL: NONE ESTABLISHED

9. Physical and Chemical Properties

Percent Volatiles	>95
pH @ 25 C	Not applicable

Specific Gravity	0.85
Appearance	Clear pale yellow liquid
Autoignition Temperature	Not available
Boiling Point	175°C (initial)
Vapor Density (Air=1)	<1
Vapor Pressure, mm Hg @ 20 C	Not available
Evaporation Rate (Butyl Acetate=1)	1
Upper/Lower Flammable Limits	Not available
Up/Lower Explosive Limits, % by Vol	6.1/0.7 %
Flash Point	46°C (114°F)
Freezing Point	Not applicable
Melting point	Not applicable
Odor	Citrus
Solubility in Water	Emulsifiable in water

10. Stability and Reactivity

Normally stable as defined in NFPA 704-12(4-3.1).

- **Conditions to Avoid:**

Keep away from combustibles, ignition sources and oxidizers.

- **Incompatibilities:**

Strong oxidizers.

- **Decomposition products may include:**

Oxides of carbon.

- **Hazardous polymerization:**

Will not occur.

- **Other Hazards:**

None known to company.

11. Toxicological Information

See Section 3 Hazards Identification information.

D-Limonene 5989-27-5

LC50: Not available

LD50: Not available

Hydrotreated Middle Distillate (petroleum) 64742-46-7

LC50: Not available

LD50: Not available

Alcohols, C12-15, Ethoxylated 68131-39-5

LC50: Not available

LD50: Not available

12. Ecological Information

Not determined.

13. Disposal Considerations

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements.

Empty container: May contain explosive vapors. DO NOT cut, puncture or weld on or nearby.

14. Transport Information

14.1 U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not

be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

Non-Regulated.

14.2 Canadian Transportation of Dangerous Goods (TDG)

Non-Regulated.

15. Regulatory Information (Selected Regulations)

15.1 U.S. Federal Regulations

- **OSHA Hazard Communication Standard 29CFR1910.1200**

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

- **SARA Title III: Section 311/312**

Fire hazard
Immediate health hazard
Delayed health hazard

- **SARA Title III Section 313 and 40 CFR Part 372**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.
None required per SARA TITLE III SECTION 313.

- **TSCA Section 8(b) Inventory**

All reportable chemical substances are listed on the TSCA Inventory.
We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.

15.2 Canadian Regulations

- **Workplace Hazardous Materials Information System (WHMIS)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

CLASS D, DIV 2B

CLASS B, DIV 3

- **Canadian Environmental Protection Act (CEPA)**

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

- **National Pollutant Release Inventory (NPRI)**

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory. None required.

16. Other Information

- **User's Responsibility**

The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

- **Disclaimer**

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

JUL-07

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JUN-07

PREVIOUS ISSUE: 06-



Material Safety Data Sheet

1. Chemical Product and Company Identification

DESCRIPTION: ELMER'S RENTERS REPAIR KIT: ULTRA STIX-ALL
COMPONENT
PRODUCT TYPE: MODIFIED SILICONE
APPLICATION: E783

• Manufacturer/Supplier Information

MSDS Prepared by:
Elmer's Products, Inc. Emergency Phone
Number
1 Easton Oval Poison Control
Center
Columbus, OH 43219 1-888-516-2502
For additional health, safety or regulatory information, call 1-
888-435-6377.
Call 1-800-848-9400 to place an order or request additional MSDSs.

2. Composition, Information on Ingredients

The ingredients listed below have been associated with one or more immediate and/or delayed(*) health hazards. Risk of damage and effects

depends upon duration and level of exposure. BEFORE USING, HANDLING, OR

EXPOSURE TO THESE INGREDIENTS, READ AND UNDERSTAND THE MSDS.

by weight

471-34-1 *Calcium Carbonate (CaCO₃)
30-50

13463-67-7 *Titanium
Dioxide

5-10

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,
.alpha.', 30-50

.alpha.'-1,2,3-propanetriyltris[.omega.-[3-(dimeth-

%

oxymethylsilyl)propoxy]-, polymer with .alpha.-[3-(dimethoxymethylsilyl)propyl]-.omega.-[3-(dimethoxy

3. Hazards Identification

3.1 Emergency Overview

Appearance	White paste
Odor	Mild
CAUTION!	
Will burn.	
May be harmful if inhaled.	May cause irritation of nose, throat and lungs.
May cause eye irritation	

- **HMIS Rating**

HEALTH = 2 (moderate)
FLAMMABILITY = 1 (slight)
REACTIVITY = 0 (minimal)
CHRONIC = *

3.2 Potential Health Effects

- **Immediate Hazards**

INGESTION: Not expected to be harmful under normal conditions of use.

INHALATION: May be harmful if inhaled. Vapor may cause irritation of nose, throat and lungs.

SKIN: May cause irritation on prolonged or repeated contact.

EYES: May cause irritation on prolonged or repeated contact.

- **Delayed Hazards**

Calcium Carbonate (CaCO₃) 471-34-1
Can cause lung damage. Pre-existing respiratory disorders may be aggravated by exposure.
-- See Footnote C.

Titanium Dioxide 13463-67-7
Inhalation at approximately 50 times the level permitted in an occupational environment caused a slight increase in lung tumor incidence in laboratory animals. No tumors were found at lower exposure levels. This material is not listed by NTP, classified

by

IARC nor regulated by OSHA as a carcinogen.
Can cause lung fibrosis. Pre-existing respiratory disorders may be aggravated by exposure.

Footnote C: As of the date of issuance of this document, this material has not been listed by NTP, classified by IARC nor regulated

by OSHA as a carcinogen.

4. First Aid Measures

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.

SKIN: In case of irritation, flush with water.

EYES: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

5. Fire Fighting Measures

Autoignition Temperature	Not determined
Upper/Lower Flammable Limits	Not applicable
Up/Lower Explosive Limits, % by Vol	Not applicable
Flash Point	>200°C (>392°F)

Will burn.
In case of fire, use dry chemical, foam or CO₂. Water may be ineffective, but should be used to keep fire-exposed containers cool.

6. Accidental Release Measures

Sweep (scoop) up and remove to a chemical disposal area. Prevent

entry into natural bodies of water.

7. Handling and Storage

7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and

removal of the material from eyes, skin and clothing.

Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).

INHALATION: Avoid breathing vapor. Use with adequate ventilation.

SKIN: Avoid prolonged or repeated contact with skin and clothing.

EYES: Avoid prolonged or repeated contact with eyes.

7.2 Storage

Store at room temperature.

Keep away from moisture.

Store in a cool, dry place.

Keep containers tightly closed.

Keep away from heat, sparks, flame and other ignition sources.

8. Exposure Controls/Personal Protection

8.1 Exposure Controls

ENGINEERING CONTROLS: The following exposure control techniques may

be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice

to

determine whether or not your programs are adequate.

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

8.2 Personal Protection

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection. Use goggles if contact is likely. Wear impervious gloves as required to prevent skin contact.

8.3 Exposure Guidelines

Calcium Carbonate (CaCO₃) 471-34-1
ACGIH TLV: 10 mg/m³ TWA, inhalable particulate
OSHA PEL: 5 mg/m³ TWA, respirable fraction; 15 mg/m³ TWA total dust
Titanium Dioxide 13463-67-7
ACGIH TLV: 10 mg/m³ TWA
OSHA PEL: 15 mg/m³ TWA, total dust
REMANDED PEL: 10 mg/m³ TWA, Total dust
OSHA 1989 PEL remanded, but in effect in some states
Poly[oxy(methyl-1,2-ethanediyl)], .alpha., .alpha.', .alpha.''-1,2,3-propanetriyltris[.omega.-[3-(dimethoxymethylsilyl)propoxy]-, polymer with .alpha.-[3-(dimethoxymethylsilyl)propyl]-.omega.-[3-(dimethoxy

ACGIH TLV: NONE ESTABLISHED
OSHA PEL: NONE ESTABLISHED

9. Physical and Chemical Properties

Percent Volatiles	<1
pH @ 25 C	Not applicable
Specific Gravity	1.5
Appearance	White paste
Autoignition Temperature	Not determined
Boiling Point	Not applicable
Vapor Density (Air=1)	Not applicable
Vapor Pressure, mm Hg @ 20 C	Not applicable
Evaporation Rate (Butyl Acetate=1)	Not applicable

Upper/Lower Flammable Limits	Not applicable
Up/Lower Explosive Limits, % by Vol	Not applicable
Flash Point	>200°C (>392°F)
Freezing Point	Not applicable
Melting point	Not applicable
Odor	Mild
Solubility in Water	Negligible

10. Stability and Reactivity

Normally stable as defined in NFPA 704-12(4-3.1).

- **Conditions to Avoid:**

Heat or sources of ignition.

- **Decomposition products may include:**

CO, CO₂.

- **Hazardous polymerization:**

Will not occur.

- **Other Hazards:**

None known to company.

11. Toxicological Information

See Section 3 Hazards Identification information.

Calcium Carbonate (CaCO₃) 471-34-1

LC50: Not available

LD50: orl-rat=6450 mg/kg (RTECS)

Titanium Dioxide 13463-67-7

LC50: Not available

LD50: Not available

Poly[oxy(methyl-1,2-ethanediyl)], .alpha., .alpha.',
.alpha.'-1,2,3-propanetriyltris[.omega.-[3-(dimeth-

oxymethylsilyl)propoxy]-, polymer with .alpha.-[3-(dimethoxymethylsilyl)propyl]-.omega.-[3-(dimethoxy
LC50: Not available
LD50: Not available

12. Ecological Information

Not determined.

13. Disposal Considerations

Dispose of according to local, state/provincial, and federal requirements.

14. Transport Information

14.1 U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.
Non-Regulated.

14.2 Canadian Transportation of Dangerous Goods (TDG)

Not determined.

15. Regulatory Information (Selected Regulations)

15.1 U.S. Federal Regulations

- **OSHA Hazard Communication Standard 29CFR1910.1200**

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

- **SARA Title III: Section 311/312**

Immediate health hazard
Delayed health hazard

- **SARA Title III Section 313 and 40 CFR Part 372**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.
None required per SARA TITLE III SECTION 313.

- **TSCA Section 8(b) Inventory**

All reportable chemical substances are listed on the TSCA Inventory.
We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.

15.2 Canadian Regulations

- **Workplace Hazardous Materials Information System (WHMIS)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.
CLASS D, DIV 2B

- **Canadian Environmental Protection Act (CEPA)**

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

- **National Pollutant Release Inventory (NPRI)**

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory. None required.

16. Other Information

CL (Cautionary Labeling): Products bearing the CL (Cautionary Labeling) Seal of The Art & Creative Materials Institute, Inc. (ACMI) are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by ACMI's Toxicological Advisory Board. These products are certified by ACMI to be labeled in accordance with the chronic hazard labeling standard, ASTM D-4236 and Federal Law, P.L. 100-695.

- **User's Responsibility**

The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

- **Disclaimer**

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE
PRODUCT OR THE
MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that
the product
shall conform to contracted specifications, and that the product
does not
infringe any valid United States or Canadian patent. No claim of
any kind
shall be greater in amount than the purchase price of the quantity
of
product in respect of which damages are claimed. In no event
shall Seller
be liable for incidental or consequential damages, whether Buyer's
claim is
based on contract, breach of warranty, negligence or otherwise.

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13463-67-7 *Titanium Dioxide	1-5	
14807-96-6 *Talc		5-10
14808-60-7 *Quartz (SiO ₂)	0.1-0.99	

3. Hazards Identification

3.1 Emergency Overview

Appearance	Off white putty
Odor	Mild acrylic
CAUTION!	
Not a significant fire hazard.	
May cause eye irritation	

- **HMIS Rating**

HEALTH = 1 (slight)
FLAMMABILITY = 0 (minimal)
REACTIVITY = 0 (minimal)
CHRONIC = *

3.2 Potential Health Effects

- **Immediate Hazards**

INGESTION:	Not expected to be harmful under normal conditions of use.
INHALATION:	Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may cause irritation of nose, throat and lungs.
SKIN:	May cause irritation on prolonged or repeated contact.
EYES:	May cause irritation on prolonged or repeated contact.

- **Delayed Hazards**

Limestone 1317-65-3
Can cause lung damage. Pre-existing respiratory disorders may be aggravated by exposure.

-- See Footnote C.

Calcite (Ca(CO₃)) 13397-26-7
Can cause lung damage. Pre-existing respiratory disorders may be aggravated by exposure.

-- See Footnote C.

Titanium Dioxide 13463-67-7
Inhalation at approximately 50 times the level permitted in an occupational environment caused a slight increase in lung tumor incidence in laboratory animals. No tumors were found at lower exposure levels. This material is not listed by NTP, classified

by

IARC nor regulated by OSHA as a carcinogen.

Can cause lung fibrosis. Pre-existing respiratory disorders may be aggravated by exposure.

Talc 14807-96-6

Can cause lung damage. Pre-existing respiratory disorders may be aggravated by exposure.

-- See Footnote C.

Quartz (SiO₂) 14808-60-7
CANCER HAZARD. Can cause cancer. Use of this product may generate silica dust (which may be invisible). Inhaled silica has been classified by IARC as a human carcinogen.

Footnote C: As of the date of issuance of this document, this material has not been listed by NTP, classified by IARC nor

regulated

by OSHA as a carcinogen.

4. First Aid Measures

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control

center or hospital emergency room for any other additional treatment directions.

INHALATION: Remove to fresh air.

SKIN: In case of irritation, flush with water.

EYES: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

5. Fire Fighting Measures

Autoignition Temperature	Not available
Upper/Lower Flammable Limits	Not applicable
Flash Point	Not applicable

Will not burn unless water has evaporated. Dried material may burn.

In case of fire, water should be used to keep fire-exposed containers cool.

6. Accidental Release Measures

Sweep (scoop) up and remove to a chemical disposal area. Prevent entry into natural bodies of water.

7. Handling and Storage

7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and

removal of the material from eyes, skin and clothing.

Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).

INHALATION: Avoid prolonged or repeated breathing of vapor.

SKIN: Avoid prolonged or repeated contact with skin and clothing.

EYES: Avoid prolonged or repeated contact with eyes.

7.2 Storage

Keep from freezing.

Store in a cool, dry place.

Keep containers tightly closed.

8. Exposure Controls/Personal Protection

8.1 Exposure Controls

If airborne contaminants are generated when the material is heated or

handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

8.2 Personal Protection

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection. Use goggles if contact is likely. Wear impervious gloves as required to prevent skin contact.

8.3 Exposure Guidelines

Magnesium Carbonate (MgCO₃) 546-93-0
ACGIH TLV: 10 mg/m³ TWA, inhalable particulate
OSHA PEL: 5 mg/m³ TWA, particulates respirable; 15 mg/m³ TWA total dust

Limestone 1317-65-3
ACGIH TLV: 10 mg/m³ TWA, inhalable particulate
OSHA PEL: 5 mg/m³ TWA, respirable particulates; 15 mg/m³ TWA total dust

Chlorite (Mineral Class) 1318-59-8
ACGIH TLV: 10 mg/m³ TWA, (as Al₂O₃)
OSHA PEL: 5 mg/m³ TWA, respirable dust (as Al₂O₃); 15 mg/m³ TWA, total dust (as Al₂O₃)
REMANDED PEL: 5 mg/m³ TWA, respirable dust (as Al₂O₃); 10 mg/m³ TWA, total dust (as Al₂O₃)
OSHA 1989 PEL remanded, but in effect in some states

Calcite (Ca(CO₃)) 13397-26-7
ACGIH TLV: 10 mg/m³ TWA, inhalable particulate
OSHA PEL: 5 mg/m³ TWA, respirable particulates; 15 mg/m³ TWA total dust

Titanium Dioxide 13463-67-7
ACGIH TLV: 10 mg/m³ TWA
OSHA PEL: 15 mg/m³ TWA, total dust
REMANDED PEL: 10 mg/m³ TWA, Total dust
OSHA 1989 PEL remanded, but in effect in some states

Talc 14807-96-6
ACGIH TLV: 2 mg/m³ TWA (containing no asbestos) inhalable particulate, < 1% crystalline silica
OSHA PEL: 20 mppcf (no asbestos) respirable particulate, < 1% crystalline silica

REMANDED PEL: 2 mg/m³ TWA (no asbestos) respirable particulate, <
 1% crystalline silica
 OSHA 1989 PEL remanded, but in effect in some states
 Quartz (SiO₂) 14808-60-7
 ACGIH TLV: 0.05 mg/m³ TWA, respirable fraction, A2 - See Appendix
 A
 OSHA PEL: 10/(%SiO₂ + 2) mg/m³ TWA, respirable dust;
 30/(%SiO₂ + 2) mg/m³ TWA, total dust
 REMANDED PEL: 0.1 mg/m³ TWA, respirable dust
 OSHA 1989 PEL remanded, but in effect in some states
 OTHER: NIOSH has recommended a permissible exposure limit of 50
 micrograms
 respirable free silica per cubic meter of air (0.05 mg/m³)
 averaged
 over a workshift of up to 10 hours per day, 40 hours per week.
 NIOSH
 publications, including the NIOSH Criteria Document for
 Crystalline
 Silica, should be consulted for more detailed information.

9. Physical and Chemical Properties

Percent Volatiles	21.5
pH @ 25 C	9.0
Specific Gravity	1.71
Appearance	Off white putty
Autoignition Temperature	Not available
Boiling Point	100 deg C
Vapor Density (Air=1)	< 1
Vapor Pressure, mm Hg @ 20 C	17.5
Evaporation Rate (Butyl Acetate=1)	< 1
Upper/Lower Flammable Limits	Not applicable
Flash Point	Not applicable
Freezing Point	0 deg C
Odor	Mild acrylic
Odor Threshold, ppm	Not available
Solubility in Water	Dispersible
Coefficient of Water/Oil Distrib.	Not available

10. Stability and Reactivity

Normally stable as defined in NFPA 704-12(4-3.1).

- **Incompatibilities:**

None known to company.

- **Decomposition products may include:**

Oxides of carbon.

- **Hazardous polymerization:**

Will not occur.

- **Other Hazards:**

None known to company.

11. Toxicological Information

See Section 3 Hazards Identification information.

Magnesium Carbonate (MgCO₃) 546-93-0

LC50: Not available

LD50: Not available

Limestone 1317-65-3

LC50: Not available

LD50: Not available

Chlorite (Mineral Class) 1318-59-8

LC50: Not available

LD50: Not available

Calcite (Ca(CO₃)) 13397-26-7

LC50: Not available

LD50: Not available

Titanium Dioxide 13463-67-7

LC50: Not available

LD50: Not available

Talc 14807-96-6

LC50: Not available

LD50: Not available

Quartz (SiO₂) 14808-60-7

LC50: Not available

LD50: Not available

12. Ecological Information

Not determined.

13. Disposal Considerations

Dispose of according to local, state/provincial, and federal requirements.

14. Transport Information

14.1 U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.
Non-Regulated.

14.2 Canadian Transportation of Dangerous Goods (TDG)

Non-Regulated.

15. Regulatory Information (Selected Regulations)

15.1 U.S. Federal Regulations

- **OSHA Hazard Communication Standard 29CFR1910.1200**

This material presents possible health hazards as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

- **SARA Title III: Section 311/312**

Delayed health hazard

- **SARA Title III Section 313 and 40 CFR Part 372**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.
None required per SARA TITLE III SECTION 313.

- **TSCA Section 8(b) Inventory**

All reportable chemical substances are listed on the TSCA Inventory.
We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.

15.2 Canadian Regulations

- **Workplace Hazardous Materials Information System (WHMIS)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.
CLASS D, DIV 2A, 2B

- **Canadian Environmental Protection Act (CEPA)**

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

- **National Pollutant Release Inventory (NPRI)**

This product contains the following chemical(s) subject to the

reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory. None required.

16. Other Information

- **User's Responsibility**

The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

- **Disclaimer**

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

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3. Hazards Identification

3.1 Emergency Overview

Appearance	White paste
Odor	Mild acrylic
CAUTION!	
Not a significant fire hazard.	

- **HMIS Rating**

HEALTH	= 1 (slight)
FLAMMABILITY	= 0 (minimal)
REACTIVITY	= 0 (minimal)
CHRONIC	= *

3.2 Potential Health Effects

- **Immediate Hazards**

INGESTION:	No hazards known to company.
INHALATION:	Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may
cause	irritation of nose, throat and lungs.
SKIN:	No hazards known to company.
EYES:	No hazards known to company.

- **Delayed Hazards**

Limestone	1317-65-3
Can cause lung damage. Pre-existing respiratory disorders may be aggravated by exposure.	
-- See Footnote C.	
Quartz (SiO ₂)	14808-60-7
CANCER HAZARD. Can cause cancer. Use of this product may generate silica dust (which may be invisible). Inhaled silica has been classified by IARC as a human carcinogen.	
Footnote C: As of the date of issuance of this document, this	

material has not been listed by NTP, classified by IARC nor regulated by OSHA as a carcinogen.

4. First Aid Measures

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: Remove to fresh air.

EYES: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

5. Fire Fighting Measures

Autoignition Temperature	Not available
Upper/Lower Flammable Limits	Not applicable
Up/Lower Explosive Limits, % by Vol	Not applicable
Flash Point	Not applicable

Will not burn unless water has evaporated. Dried material may burn.

In case of fire, water should be used to keep fire-exposed containers cool.

6. Accidental Release Measures

Sweep (scoop) up and remove to a chemical disposal area. Prevent entry into natural bodies of water.

7. Handling and Storage

7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).

INHALATION: Avoid prolonged or repeated breathing of vapor.

7.2 Storage

Keep from freezing.
Store in a cool, dry place.
Keep containers tightly closed.

8. Exposure Controls/Personal Protection

8.1 Exposure Controls

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

8.2 Personal Protection

No special protection necessary.

8.3 Exposure Guidelines

Limestone 1317-65-3
ACGIH TLV: 10 mg/m³ TWA, inhalable particulate
OSHA PEL: 5 mg/m³ TWA, respirable particulates; 15 mg/m³ TWA total dust
Quartz (SiO₂) 14808-60-7
ACGIH TLV: 0.05 mg/m³ TWA, respirable fraction, A2 - See Appendix A
OSHA PEL: 10/(%SiO₂ + 2) mg/m³ TWA, respirable dust;
30/(%SiO₂ + 2) mg/m³ TWA, total dust
REMANDED PEL: 0.1 mg/m³ TWA, respirable dust
OSHA 1989 PEL remanded, but in effect in some states
OTHER: NIOSH has recommended a permissible exposure limit of 50 micrograms respirable free silica per cubic meter of air (0.05 mg/m³) averaged

over a workshift of up to 10 hours per day, 40 hours per week.
NIOSH
publications, including the NIOSH Criteria Document for
Crystalline
Silica, should be consulted for more detailed information.

9. Physical and Chemical Properties

Percent Volatiles	20
pH @ 25 C	7.7
Specific Gravity	1.50
Appearance	White paste
Autoignition Temperature	Not available
Boiling Point	100 deg C
Vapor Density (Air=1)	< 1
Vapor Pressure, mm Hg @ 20 C	17.5
Evaporation Rate (Butyl Acetate=1)	< 1
Upper/Lower Flammable Limits	Not applicable
Up/Lower Explosive Limits, % by Vol	Not applicable
Flash Point	Not applicable
Freezing Point	0 deg C
Odor	Mild acrylic
Odor Threshold, ppm	Not available
Solubility in Water	Dispersible
Coefficient of Water/Oil Distrib.	Not available

10. Stability and Reactivity

Normally stable as defined in NFPA 704-12(4-3.1).

- **Incompatibilities:**

Acids.

- **Decomposition products may include:**

Oxides of carbon.

- **Hazardous polymerization:**

Will not occur.

- **Other Hazards:**

None known to company.

11. Toxicological Information

INGESTION: Not toxic orally when tested as described in 16 CFR
Part 1500.3 (c)(1) and (2).
INHALATION: Not toxic by inhalation when tested as described in
16 CFR Part 1500.3 (c)(1) and (2).
SKIN: Not toxic dermally when tested as described in 16
CFR Part 1500.3 (c)(1) and (2).
ABSORPTION: Part 1500.3 (c)(1) and (2).
SKIN: Not an irritant when tested as described in 16 CFR
Part 1500.41.
EYES: Not an irritant when tested as described in 16 CFR
Part 1500.42.
Limestone 1317-65-3
LC50: Not available
LD50: Not available
Quartz (SiO₂) 14808-60-7
LC50: Not available
LD50: Not available

12. Ecological Information

Not determined.

13. Disposal Considerations

Dispose of according to local, state/provincial, and federal requirements.

14. Transport Information

14.1 U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.
Non-Regulated.

14.2 Canadian Transportation of Dangerous Goods (TDG)

Non-Regulated.

15. Regulatory Information (Selected Regulations)

15.1 U.S. Federal Regulations

- **OSHA Hazard Communication Standard 29CFR1910.1200**

This material presents possible health hazards as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

- **SARA Title III: Section 311/312**

Delayed health hazard

- **SARA Title III Section 313 and 40 CFR Part 372**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.
None required per SARA TITLE III SECTION 313.

- **TSCA Section 8(b) Inventory**

All reportable chemical substances are listed on the TSCA Inventory.

We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.

15.2 Canadian Regulations

- **Workplace Hazardous Materials Information System (WHMIS)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

CLASS D, DIV 2A, 2B

- **Canadian Environmental Protection Act (CEPA)**

This product contains one or more chemical substances on the Non-Domestic Substances List (NDSL).

- **National Pollutant Release Inventory (NPRI)**

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory. None required.

16. Other Information

- **User's Responsibility**

The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace

Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

- **Disclaimer**

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

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MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Elmer's Products, Inc.
1 Easton Oval
Columbus, OH 43219

Emergency Phone Number:
Poison Control Center
1-888-516-2502

For additional product information, access our website at www.elmers.com or call 1-888-435-6377. To place an order, call 1-800-848-9400.

SUBSTANCE: ELMER'S RENTERS REPAIR KIT: CARPET CLEANER WIPE COMPONENT

CREATION DATE: Jul 24 2007
REVISION DATE: Jul 26 2007

2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: NON-HAZARDOUS SUBSTANCE
CAS NUMBER: Not assigned.
PERCENTAGE: >90

COMPONENT: BUTYL CELLOSOLVE
CAS NUMBER: 111-76-2
PERCENTAGE: 1-5

COMPONENT: ISOPROPYL ALCOHOL
CAS NUMBER: 67-63-0
PERCENTAGE: 1-5

3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=2 FIRE=2 REACTIVITY=0

EMERGENCY OVERVIEW:
PHYSICAL DESCRIPTION: liquid
MAJOR HEALTH HAZARDS: skin irritation, eye irritation



PHYSICAL HAZARDS: Combustible liquid and vapor.

POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: no information on significant adverse effects

SKIN CONTACT:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: irritation

EYE CONTACT:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: irritation

INGESTION:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: no information on significant adverse effects

4. FIRST AID MEASURES

INHALATION: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

SKIN CONTACT: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

INGESTION: If a large amount is swallowed, get medical attention.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Moderate fire hazard. Vapor/air mixtures are explosive above flash point.

EXTINGUISHING MEDIA: water fog, alcohol resistant foam, regular dry chemical, carbon dioxide

FIRE FIGHTING: Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Flood with fine water spray. Do not scatter spilled material with high-pressure water streams. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

FLASH POINT: >106 F (>41 C)

FLAMMABILITY CLASS (OSHA): II

HAZARDOUS COMBUSTION PRODUCTS:

Thermal decomposition or combustion products: oxides of carbon, formaldehyde, oxides of sulfur

6. ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE:

Avoid heat, flames, sparks and other sources of ignition. Stop leak if possible without personal risk. Reduce vapors with water spray. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

7. HANDLING AND STORAGE

STORAGE: Store and handle in accordance with all current regulations and standards. Keep container tightly closed. Keep away from heat, sparks and flame. Subject to storage regulations: U.S. OSHA 29 CFR 1910.106. Grounding and bonding required. See original container for storage recommendations. Keep separated from incompatible substances.

HANDLING: Wash exposed areas thoroughly with soap and water after skin contact and before eating, drinking, using tobacco products, or restrooms.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS:

BUTYL CELLOSOLVE:

BUTYL CELLOSOLVE (ETHYLENE GLYCOL MONOBUTYL ETHER):

25 ppm (120 mg/m³) OSHA TWA (skin) (vacated by 58 FR 35338, June 30, 1993)

50 ppm (240 mg/m³) OSHA TWA (skin)

20 ppm ACGIH TWA

5 ppm (24 mg/m³) NIOSH recommended TWA 10 hour(s) (skin)

ISOPROPYL ALCOHOL:

ISOPROPYL ALCOHOL (ISOPROPANOL; 2-PROPANOL):

400 ppm (980 mg/m³) OSHA TWA

500 ppm (1230 mg/m³) OSHA STEL (vacated by 58 FR 35338, June 30, 1993)

200 ppm ACGIH TWA

400 ppm ACGIH STEL

400 ppm (980 mg/m³) NIOSH recommended TWA 10 hour(s)

500 ppm (1225 mg/m³) NIOSH recommended STEL

VENTILATION: Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: Wear appropriate chemical resistant clothing.

GLOVES: Wear appropriate chemical resistant gloves.

RESPIRATOR: Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

Any dust, mist, and fume respirator.

Any air-purifying respirator with a high-efficiency particulate filter.

Any powered, air-purifying respirator with a dust, mist, and fume filter.

Any powered, air-purifying respirator with a high-efficiency particulate filter.

For Unknown Concentrations or Immediately Dangerous to Life or Health -

Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.

Any self-contained breathing apparatus with a full facepiece.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid

ODOR: Not available

BOILING POINT: 212 F (100 C)

FREEZING POINT: Not available

VAPOR PRESSURE: 0.68 mmHg @ 21 C

VAPOR DENSITY: Not available

SPECIFIC GRAVITY (water=1): <1

WATER SOLUBILITY: Not available

PH: Not available

VOLATILITY: Not available

ODOR THRESHOLD: Not available

EVAPORATION RATE:

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

10. STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat. Keep out of water supplies and

sewers.

INCOMPATIBILITIES: oxidizing materials

HAZARDOUS DECOMPOSITION:

Thermal decomposition or combustion products: oxides of carbon, formaldehyde, oxides of sulfur

POLYMERIZATION: Will not polymerize.

11. TOXICOLOGICAL INFORMATION

BUTYL CELLOSOLVE:

IRRITATION DATA: 500 mg open skin-rabbit mild; 100 mg eyes-rabbit severe; 100 mg/24 hour(s) eyes-rabbit moderate

TOXICITY DATA: 450 ppm/4 hour(s) inhalation-rat LC50; 220 mg/kg skin-rabbit LD50; 470 mg/kg oral-rat LD50

CARCINOGEN STATUS: IARC: Not classifiable as to its carcinogenicity to humans, Group 3; ACGIH: A3 -Animal Carcinogen

LOCAL EFFECTS:

Irritant: inhalation, skin, eye

ACUTE TOXICITY LEVEL:

Toxic: dermal absorption, ingestion

Moderately Toxic: inhalation

TARGET ORGANS: blood, central nervous system, kidneys

TUMORIGENIC DATA: Available.

MUTAGENIC DATA: Available.

REPRODUCTIVE EFFECTS DATA: Available.

ISOPROPYL ALCOHOL:

IRRITATION DATA: 500 mg skin-rabbit mild; 100 mg eyes-rabbit severe; 10 mg eyes-rabbit moderate; 100 mg/24 hour(s) eyes-rabbit moderate

TOXICITY DATA: 16000 ppm/8 hour(s) inhalation-rat LC50; 12800 mg/kg skin-rabbit LD50; 5000 mg/kg oral-rat LD50

CARCINOGEN STATUS: IARC: Human Inadequate Evidence, Animal Inadequate Evidence, Group 3; ACGIH: A4 -Not Classifiable as a Human Carcinogen

LOCAL EFFECTS:

Irritant: inhalation, eye

ACUTE TOXICITY LEVEL:

Moderately Toxic: inhalation, ingestion

Slightly Toxic: dermal absorption

TARGET ORGANS: central nervous system

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: kidney disorders, liver disorders, respiratory disorders, skin disorders and allergies

MUTAGENIC DATA: Available.

REPRODUCTIVE EFFECTS DATA: Available.

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations. Subject to disposal regulations:
U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: No classification assigned.

CANADIAN TRANSPORTATION OF DANGEROUS GOODS: No classification assigned.

15. REGULATORY INFORMATION

U.S. REGULATIONS:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): Not regulated.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): Not regulated.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40): Not regulated.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: Yes

CHRONIC: No

FIRE: Yes

REACTIVE: No

SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65):

**BUTYL CELLOSOLVE (ETHYLENE GLYCOL MONOBUTYL ETHER)
ISOPROPYL ALCOHOL, STRONG ACID PROCESS ONLY**

OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

STATE REGULATIONS:

California Proposition 65: Not regulated.

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION: Not determined.

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): All the components of this substance are listed on or are exempt from the inventory.

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

CANADA INVENTORY (DSL/NDSL): Not determined.

16. OTHER INFORMATION

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SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

Material Safety Data Sheet



Epson UltraChrome Ink Cartridge - Photo Black for
Epson Stylus Pro 9800/7800/4800 / US/C

1. Chemical Product and Company Identification

Common Name : Epson UltraChrome Ink Cartridge - Photo Black for
Epson Stylus Pro 9800/7800/4800 / US/C

Synonym : Not available.

Catalog number : 086-00182; 086-00174

Area of Application : Industrial applications. Graphic Arts product.
Inkjet printing.

Supplier : Kodak Graphic Communications Canada Company
3700 Gilmore Way
Burnaby, BC, Canada V5G 4M1

Version	1
Validation Date	2005-11-17

KPG# 91311

Manufacturer : Epson America, Inc.
3840 Kilroy Airport Way
Long Beach, CA 90806
United States
Tel: 562-276-1369
Fax: 562-997-5799

Emergency telephone number : In Case of Emergency (medical/roadside) (24hrs)

Infotrac: 1-800-535-5053

24-Hour Telephone for information:
Kodak Graphic Communications Canada Company Response Center
North America: 1-800-472-2727
International: +1-604-451-2727

2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) Water	7732-18-5	>60	ACGIH TLV (United States, 1/2005). TWA: 10 mg/m ³ 8 hour/hours. Form: Mist OSHA PEL (United States, 6/1993). TWA: 5 mg/m ³ 8 hour/hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hour/hours. Form: Total dust
2) Glycerol	56-81-5	10 - 15	
3) Proprietary organic materials		5 - 10	ACGIH TLV (United States, 1/2004). TWA: 3.5 mg/m ³ 8 hour/hours. NIOSH REL (United States, 1/2003). TWA: 3.5 mg/m ³ 10 hour/hours. TWA: 0.1 MGPHM3 10 hour/hours. OSHA PEL (United States, 8/1997). TWA: 3.5 mg/m ³ 8 hour/hours.
4) Proprietary dyes and pigments		<5	
5) Carbon black	1333-86-4	<3	

3. Hazards Identification

Physical State and Appearance : Liquid.

Emergency Overview : May cause eye irritation.

Routes of Entry : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes : Mildly irritating to the eyes.

Skin : May cause skin irritation.

Inhalation : May cause respiratory tract irritation.

Ingestion : May cause gastrointestinal irritation.

Potential Chronic Health Effects : **CARCINOGENIC EFFECTS:** Classified 2B (Possible for humans.) by IARC [Carbon black].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Continued on Next Page

Medical Conditions : Prolonged or repeated skin contact may cause irritation.

**Aggravated by
Overexposure:**

See Toxicological Information (section 11)

4. First Aid Measures

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

Skin Contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Inhalation : Allow the victim to rest in a well-ventilated area. If irritation persists, get medical attention.

Ingestion : Do not induce vomiting. Have conscious person drink several glasses of water or milk. If irritation persists, get medical attention.

5. Fire Fighting Measures

**Flammability of the
Product** : Non-flammable.

Flash Points : Closed cup: >110°C (230°F).

**Hazardous thermal
(de)composition
products** : None.

**Fire Hazards in
Presence of Various
Substances** : Not available.

**Explosion Hazards
in Presence of
Various Substances** : Not available.

**Fire Fighting Media
and Instructions** : **Suitable:** Use dry chemical, CO₂, water spray (fog) or foam.
Not suitable: None.

**Protective Clothing
(Fire)** : Be sure to use an approved/certified respirator or equivalent.

6. Accidental Release Measures

Small Spill and Leak : Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill and Leak : Absorb with an inert material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

7. Handling and Storage

Handling : Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area. Prevent from freezing. Keep away from incompatibles.

8. Exposure Controls, Personal Protection

**Engineering
Controls** : Ventilation is normally required when handling or using this product. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

Eyes : Safety glasses.

Body : Not applicable.

Respiratory : Not applicable.

Hands : Impervious gloves.

Feet : Not applicable.

Protective Clothing :
(Pictograms)



Personal Protection in Case of a Large Spill : Splash goggles. Lab coat. Impervious gloves. Ventilation is normally required when handling or using this product.

Product Name

- 1) Water
- 2) Glycerol

Exposure Limits

ACGIH TLV (United States, 1/2005).

TWA: 10 mg/m³ 8 hour/hours. Form: Mist

OSHA PEL (United States, 6/1993).

TWA: 5 mg/m³ 8 hour/hours. Form: Respirable fraction

TWA: 15 mg/m³ 8 hour/hours. Form: Total dust

- 3) Proprietary organic materials
- 4) Proprietary dyes and pigments
- 5) Carbon black

ACGIH TLV (United States, 1/2004).

TWA: 3.5 mg/m³ 8 hour/hours.

NIOSH REL (United States, 1/2003).

TWA: 3.5 mg/m³ 10 hour/hours.

TWA: 0.1 MGPHM3 10 hour/hours.

OSHA PEL (United States, 8/1997).

TWA: 3.5 mg/m³ 8 hour/hours.

Consult local authorities for acceptable exposure limits.

9. Physical and Chemical Properties

Physical State and Appearance : Liquid.

Odor : None.

Color : Black.

pH : 9 to 10 [Basic.]

Boiling/Condensation Point : ~100 °C

Melting/Freezing Point : <0 °C

Specific Gravity : 1.07 (Water = 1)

Vapor Pressure : Not available.

Vapor Density : >1 (Air = 1)

Dispersion Properties : See solubility in water.

Solubility : Easily soluble in cold water.

10. Stability and Reactivity

Stability and Reactivity : The product is stable.

Conditions of Instability : Not available.

Incompatibility with Various Substances : Incompatible with oxidizing agents, Explosives.

Hazardous Decomposition Products : None.

Hazardous Polymerization : Will not occur.

11. Toxicological Information

Toxicity to Animals : **Water:**
ORAL (LD50): Acute: >90000 mg/kg [Rat].

Glycerol:
ORAL (LD50): Acute: 12600 mg/kg [Rat].
DERMAL (LD50): Acute: >10000 mg/kg [Rabbit].

Proprietary organic materials
LD50: Not available.
LC50: Not available.

Proprietary dyes and pigments

LD50: Not available.

LC50: Not available.

Carbon black:

ORAL (LD50): Acute: 15400 mg/kg [Rat].

DERMAL (LD50): Acute: >3000 mg/kg [Rabbit].

Chronic Effects on Humans : None known.

Other Toxic Effects on Humans : Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

12. Ecological Information

Organics Readily Degradable (70%) : Not available.

Ecotoxicity : Not available.

13. Disposal Considerations

Waste Information : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities.

14. Transport Information

DOT Classification : Not a DOT controlled material (United States).



TDG Classification : Not a TDG-controlled material.

ADR/RID Classification : Not controlled under European ADR.

IMO/IMDG Classification : Not controlled under IMDG.

ICAO/IATA Classification : Not controlled under IATA.

15. Regulatory Information

HCS Classification : Not an HCS controlled material in USA.

U.S. Federal Regulations : All the ingredients are on the TSCA list.
SARA 302 extremely hazardous substances: No products were found.
SARA 304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 Reporting Requirements : No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112(r) accidental release prevention: No products were found.

International Regulations

WHMIS (Canada) : Not available.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

CEPA DSL/NDSL : All the ingredients are on the DSL list.

DSCL (EEC) : This product is not classified according to EU legislation.

State Regulations : No products were found.

California Prop. 65: No products were found.

Continued on Next Page

16. Other Information

Hazardous Material Information System (U.S.A.)	Health	*	1	National Fire Protection Association (U.S.A.)
	Fire Hazard		1	
	Reactivity		0	
	Personal Protection		B	



References : Manufacturer's Material Safety Data Sheet.

Other Special Considerations : Not available.

Validated by Kodak Polychrome Graphics on 2005-11-17.

Verified by Kodak Polychrome Graphics.

Printed 2005-11-17.

In Case of Emergency CALL 1-800-451-8346

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

FOR INDUSTRIAL USE ONLY

MATERIAL SAFETY DATA SHEETS

SECTION I – PRODUCT IDENTIFICATION

Manufacturer’s Name: Alchemco, Inc.

Emergency Phone No: **800-535-5053**
INFOTRAC

Address: 10840 Mulberry Ave

City, State, and Zip Code: Fontana, CA 92337

Date: July 2008

Product Category (Aerosol): Spray Adhesive
Product Name: Foam & Fabric Web Adhesive Spray

Lab No.: AA 1504

HMIS CODE: HEALTH ----- (2)
 FLAMMABILITY----- (4)
 REACTIVITY----- (0)
 PERSONAL PROTECTION----(H)

SECTION II – HAZARDOUS INGREDIENTS

INGREDIENT	%	OSHA PEL	TLV PPM	TLV MG/M3	LEL	CAS NUMBER
Hexane	25-30	500	50			110-54-3
Acetone	20-30	1000				67-64-1
Hydrocarbon Propellant-						68476-86-8
Propane	10-15		1000			
Isobutane	10-15		800			

Carcinogenicity: THIS PRODUCT IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, THE OCCUPATIONAL SAFTY AND HEALTH ADMINISTRATION, OR NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY & HEALTH.

SECTION III – PHYSICAL DATA

Boiling Range: Unknown

Vapor Density: Unknown

Evaporation Rate: Faster than ETHER

Percent Volatile: 53%

Pounds/Gallon: 7.15(conc.)

Appearance (conc.): Clear, straw color tacky liquid

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A

LEL: SEE SECTION II

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL OR FOAM, WATER SPRAY & WATER FOG

Fire and Explosion Hazards: DO NOT SPRAY NEAR OPEN FLAME. KEEP AT ROOM TEMPERATURE AS EXPOSURE TO DIRECT SUNLIGHT OR OTHER HEAT MAY CAUSE BURSTING.

Special Fire Fighting Procedures: CONTENTS UNDER PRESSURE. DO NOT EXPOSE TO TEMPERATURE ABOVE 120 °F. WATER MAY BE USED TO KEEP FIRE CONTAINERS COOL. SELF-CONTAINING BREATHING APPARATUS (SCBD) IS REQUIRED, IF CONTAINERS RUPTURE AND CONTENTS ARE RELEASED UNDER FIRE CONDITIONS.

SECTION V – HEALTH HAZARD DATA

Threshold Limit Value: SEE SECTION II HAZARDOUS INGREDIENTS

Effects of Overexposure: IN A CONFINED AREA VAPORS IN HIGH CONCENTRATION ARE ANESTHETIC. IRRITANT TO SKIN AND UPPER RESPIRATORY SYSTEM. OVER-EXPOSURE MAY RESULT IN LIGHT-HEADEDNESS, STAGGERING GAIT, GIDDINESS AND NAUSEA. INTENTIONAL MISUSE BY DELIVERATELY CONCENTRATING AND INHALING CONTENTS MAYBE HARMFUL OR FATAL. IF SWALLOWED, DO NOT INDUCE VOMITING.

Chronic: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE, KIDNEY AND LIVER DAMAGE.

Medical Conditions Prone to Aggravation by Exposure: NONE ESTABLISHED.

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES

Emergency and First Aid Procedures:

- Breathing: REMOVE PATIENT TO FRESH AIR.
- Eyes: FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
- Skin: WASH THOUROUGHLY WITH SOAP AND WATER.
- Swallowing: CALL PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.

SECTION VI – REACTIVITY DATA

Stability: STABLE Conditions to avoid: DO NOT STORE ABOVE 120° F

Incompatibility: Strong acids, alkalis, and oxidizers such as liquid Chlorine, other halogens, Hydrogen Peroxide, and Oxygen.

Hazardous Decomposition products: Burning produces CARBON MONOXIDE AND CARBON DIOXIDE.

Hazardous Polymerization: WILL NOT OCCUR

SECTION VII – SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: REMOVE ALL SOURCES OF IGNITION, VENTILATE, AVOID BREATHING VAPORS AND REMOVE WITH INERT ABSORBENT

Waste disposal method: DO NOT INCINERATE – DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING POLLUTION.

SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiratory Protection: AVOID BREATHING OF VAPOR OR SPRAY MIST.

IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION II.
 WHEN SANDING OR ABRADING THE DRIED FILM, WEAR A DUST/MIST RESPIRATOR APPROVED BY NIOSH/MSHA FOR DUST WHICH MAY BE GENERATED FROM THIS PRODUCT, UNDERLYING PAINT, OR THE ABRASIVE. THE APPLICABLE LIMITS FOR NUISANCE DUSTS ARE ACGIH TLV 10 mg/m³ (TOTAL DUST), OSHA PEL 15 mg/m³ (TOTAL DUST), 5 mg/m³ RESPIRABLE FRACTION).

Ventilation: PROVIDE LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP TLV OF ALL HAZARDOUS INGREDIENTS IN SECTION II BELOW ACCEPTABLE LIMIT, AND LEL IN SECTION II BELOW STATED LIMIT.

Skin Protective: Protective gloves and clothing are recommended when prolonged contact with the concentrated material may occur.

Eye Protection: FOR PROLONGED USE IN CLOSE QUARTERS RECOMMEND SAFETY GLASSES WITH UNPERFORATED SIDESHIELDS.

SECTION IX – SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing:

DO NOT STORE ABOVE 120° F. KEEP AT ROOM TEMPERATURE. EXPOSURE TO DIRECT SUNLIGHT OR HEAT MAY CAUSE BURSTING.

Other Precautions:

KEEP AWAY FROM CHILDREN.
DO NOT PUNCTURE OR INCINERATE.
DO NOT SPRAY NEAR FIRE OR OPEN FLAME.

SECTION X - TRANSPORTATION

US DOT:

Shipping Name: Consumer Commodity
Class: ORM-D

IMDG (OCEAN):

Shipping Name: Consumer Commodity
ORM-D
UN No. 1950
Label: None
Marine Pollutant: No

IATA (AIR):

Shipping Name: Consumer Commodity, ID 8000, Air
UN No.: None
Hazard Class: 9
Packaging Instruction: 910
Quantity: No. of "fiberboard boxes" x total wt. in kg
Handling: 2004 ERG 171

Notice to Reader

Reasonable care has been taken in the preparation of this information, but manufacturer makes no warranty of merchantability or any other warranty, express or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

GOO GONE.

Product: Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Revision Date: 28-Nov-2017

SECTION 1 – IDENTIFICATION

Product Identifier

Product Name: Goo Gone

Product Code: 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Recommended Use of the Chemical and Restrictions for Use

Recommended Use: Cleaner

Restrictions for Use: Use only as directed.

Details of the Supplier

Manufacturer: Goo Gone
755 Tri-State Parkway
Gurnee, IL 60031
855-364-8135

Emergency Phone Number

24-Hour Number: 1-800-535-5053

International: 1-352-323-3500

SECTION 2 – HAZARDS IDENTIFICATION

Classification

Hazard Class	Category
Flammable Liquid	4
Skin Sensitization	1
Aspiration Hazard	1

Label Elements

Hazard Symbols(s):



Signal Word(s): Danger

Hazard Statement(s): Combustible liquid. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

Precautionary Statement(s): Keep away from flames and hot surfaces. No smoking. Avoid breathing fume/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other Hazards

None known

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Wt %
Petroleum distillates, hydrotreated light	64742-47-8	60-100
D-Limonene	5989-27-5	1-5
Orange, sweet, extract	8028-48-6	0.5-1.5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

Product: Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Revision Date: 28-Nov-2017

SECTION 4 – FIRST AID MEASURES

First Aid Measures

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Eye Contact: Rinse immediately with water for at least 15 minutes. Remove contact lenses, if worn. If irritation persists, seek medical attention immediately.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

Skin: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash with soap and water. If irritation persists, seek medical attention.

Most Important Symptoms and Effects (Acute and Delayed)

Inhalation: May cause respiratory track irritation.

Eye Contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Skin: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physician: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Suitable: Treat for surrounding material.

Unsuitable: None known.

Specific Hazards Arising from Chemical

Products of combustion include but are not limited to: oxides of carbon.

Protective Equipment and Precautions for Firefighters

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Use personal protective equipment as required.

Environmental Precautions: See Section 12 for ecological information.

Methods and Material for Containment and Cleaning Up

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). For cleaning up scoop up material and place in a disposal container. Provide ventilation.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Avoid breathing fume/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

General Hygiene Advice: Launder contaminated clothing before use. Wash hands before eating, drinking, or smoking.

SAFETY DATA SHEET

Conforms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

Product: Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Revision Date: 28-Nov-2017

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep container closed when not in use. Store in a dry, cool, and well-ventilated area. Keep out of reach of children.

Incompatible Materials: None known.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light (64742-47-8)	200 mg/m ³	100 ppm	Not available
D-Limonene (5989-27-5)	Not available	Not available	Not available
Orange, sweet, extract (8028-48-6)	Not available	Not available	Not available

Appropriate Engineering Controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Individual Protection Measures

Respiratory Protection: None required under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment.

Skin and Body Protection: Wear suitable protective clothing.

Eye/Face Protection: Safety glasses or goggles are recommended when using product.

General Work/Hygienic Practices: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow clear liquid

Odor: Citrus

Odor threshold: Not determined

pH: Not determined

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: 85°C (185°F) TCC

Evaporation rate: Not determined

Flammability (solid, gas): Flammable

Upper/lower flammability or explosive limits: Not determined

Vapor pressure: Not determined

Vapor density: Not determined

Relative density: 0.80

Solubility(ies): Not determined

Partition coefficient (n-octanol/water): Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Document No.: 130529-5
Release Date: 1/10/2014

Page 3 of 5

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

Product: Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Revision Date: 28-Nov-2017

Possibility of hazardous reactions: None under normal use.

Conditions to avoid: Heat. Incompatible materials. Sources of ignition.

Incompatible materials: None known.

Hazardous decomposition products: May include and are not limited to: oxides of carbon.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Likely Routes of Exposure: Inhalation, skin contact, eye contact, ingestion

Information Related to Physical, Chemical, and Toxicological Effects

See section 4 of this SDS.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: NTP: No IARC: No OSHA: No

Numerical Measures of Toxicity

Product	
ATE (oral)	>2000 mg/kg, rat
ATE (dermal)	>2000 mg/kg, rabbit
ATE (inhalation)	Not available

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light (64742-47-8)	>5000 mg/kg, rat	>2000 mg/kg, rabbit	>5.2 mg/l/4h, rat
D-Limonene (5989-27-5)	4400 mg/kg, rat	>5000 mg/kg, rabbit	Not available
Orange, sweet, extract (8028-48-6)	>5000 mg/kg, rat	>5000 mg/kg, rabbit	Not available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not established

Persistence and degradability: Not established

Bioaccumulative potential: Not established

Mobility in soil: No additional information available

Other adverse effects: No additional information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

See section 8 of this SDS for exposure controls and personal protection.

Dispose of the product and container in accordance with all applicable local, state, and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

Note: Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

DOT (Ground): Not Regulated- See 49 CFR 173.150(f)(2) as the product is not bulk packaged.

IATA (Air): Not Regulated

IMDG (Vessel): Not Regulated

SECTION 15 – REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



Product: Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

Revision Date: 28-Nov-2017

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration (OSHA) applicable to this Safety Data Sheet differ from the requirements of the CPSC and as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

SECTION 16 – OTHER INFORMATION

Issue Date: 23-Aug-2017

Revision Date: 28-Nov-2017

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

⑦

KANO LABORATORIES -- KROIL - PENETRATING OIL
MATERIAL SAFETY DATA SHEET
NSN: 9150008007997
Manufacturer's CAGE: 13868
Part No. Indicator: A
Part Number/Trade Name: KROIL

=====
General Information
=====

Item Name: PENETRATING OIL
Company's Name: KANO LABORATORIES INC
Company's Street: 1000 S THOMPSON LANE
Company's City: NASHVILLE
Company's State: TN
Company's Country: US
Company's Zip Code: 37211-2627
Company's Emerg Ph #: 615-833-4101
Company's Info Ph #: 615-833-4101
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 08MAY92
Safety Data Review Date: 11MAY94
MSDS Preparer's Name: P R ZIMMERMAN
Preparer's Company: SAME
MSDS Serial Number: BMBWB
Hazard Characteristic Code: N/

=====
Ingredients/Identity Information
=====

=====
Physical/Chemical Characteristics
=====

Appearance And Odor: LIQUID, SLIGHT REDDISH COLOR, PLEASANT ODOR.
Boiling Point: 250F, 121C
Vapor Pressure (MM Hg/70 F): 3
Vapor Density (Air=1): N/A
Specific Gravity: .88
Evaporation Rate And Ref: <1 (BUTYL ACETATE=1)
Solubility In Water: NIL
Percent Volatiles By Volume: 60
pH: 6.0

=====
Fire and Explosion Hazard Data
=====

Flash Point: 150F, 66C
Flash Point Method: COC
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Extinguishing Media: CO*2, DRY CHEMICAL, FOAM.
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT (FP N). USUAL PROCEDURE FOR SOLVENTS. TREAT AS
COMBUSTIBLE. DO NOT USE WATER.
Unusual Fire And Expl Hazrds: NEVER USE WELDING OR CUTTING TORCH ON/NEAR
CANS/DRUMS. DO NOT MIX/STORE WITH STRONG OXIDANTS. STORE @ ROOM
TEMPERATURE.

=====
Reactivity Data
=====

Stability: YES

Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAME, STRONG OXIDANTS.
Materials To Avoid: STRONG OXIDIZING AGENTS.
Hazardous Decomp Products: THERMAL DECOMPOSITION IN PRESENCE OF AIR MAY
YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT.

Health Hazard Data

LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: EYE: BURNING AND IRRITATION. SKIN: DRYNESS,
PROLONGED EXPOSURE MAY CAUSE DERMATITIS. INHAL: MAY CAUSE HEADACHE,
DIZZINESS, ANESTHESIA, NAUSEA AND UPPER RESPIRATORY IRRITATION. INGEST: MAY
CAUSE LUNG IRRITATION, NAUSEA, VOMITING AND DIARRHEA. HARMFUL OR FATAL IF
SWALLOWED.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT.
Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
Emergency/First Aid Proc: EYE:IMMED FLUSH W/LG AMT OF H*2O FOR @ LST 15
MIN. SKIN:WASH W/SOAP/MILD H*2O. APPLY SKIN CREAM. INHAL:REMOVE TO FRESH
AIR. IF BRTHG IS DFCLT ADMINISTER O*2. IF BREATHING HAS STOPPED GIVE ARTF
RESP. GET MED ATTN. INGEST: DO NOT INDUCE VOMIT, CALL PHYS IMMED. MINUTE
AMOUNT ASPIRATED INTO LUNGS DURING INGEST MAY CAUSE SEVERE PULMONARY
DAMAGE. DO NOT ADMINISTER EPINEPHRINE OR ADRENALINE.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WIPE UP IMMED WITH ABSORBENT RAGS, SWEEPING
COMPOUND OR OTHER ABSORBENT MATERIAL, REMOVE OR EXTINGUISH ALL FLAMES AND
SPARKS. DO NOT FLUSH INTO SEWER.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: BURY SATURATED ABSORBENT IN APPROVED LANDFILL.
DISPOSE OF AS ANY COMBUSTION FUEL IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.
Precautions-Handling/Storing: KEEP AWAY FROM EXCESSIVE HEAT, SPARKS AND
OPEN FLAME. DO NOT TAKE INTERNALLY. DO NOT LEAVE CONTR OPEN. STORE IN COOL
AREA.
Other Precautions: USE WITH PROPER VENTILATION. WEARING CONTACT LENSES IS
NOT ADVISABLE. IF SWALLOWED CAN ENTER INTO LUNGS AND MAY CAUSE CHEM PNEUM.
DO NOT ADMINISTER EPINEPHRINE OR ADRENALIN. KEEP AWAY FROM CHILDREN AND
ANIMALS. DO NOT PUNCTURE CONTR.

Control Measures

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR FOR VAPORS IF
DESIRED.
NORMAL VENTILATION IS SUFFICIENT.
Protective Gloves: CHEMICALLY RESISTANT GLOVES.
Eye Protection: CHEMICAL WORKERS GOGGLE (FP N).
Other Protective Equipment: NONE NEEDED.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

Transportation Data

=====
Trans Data Review Date: 95165
DOT PSN Code: GJL
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
DOT Class: 3
DOT ID Number: UN1993
DOT Pack Group: III
DOT Label: FLAMMABLE LIQUID
IMO PSN Code: HIA
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o *
IMO Regulations Page Number: 3345
IMO UN Number: 1993
IMO UN Class: 3.3
IMO Subsidiary Risk Label: - *
IATA PSN Code: MCA
IATA UN ID Number: 1993
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: MCA
AFI Prop. Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
AFI Class: 3
AFI ID Number: UN1993
AFI Pack Group: III
AFI Label: FLAMMABLE LIQUID
AFI Basic Pac Ref: 7-7
=====

=====
Disposal Data
=====

=====
Label Data
=====

Label Required: YES
Technical Review Date: 11MAY94
Label Date: 11MAY94
Label Status: G
Common Name: KROIL
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Slight: X
Fire Hazard-Moderate: X
Reactivity Hazard-None: X
Special Hazard Precautions: COMBUSTIBLE. ACUTE: EYES: BURNING AND IRRITATION. SKIN: DERMATITIS. INHAL: IRRITATION, HEADACHE, DIZZINESS, NAUSEA. INGEST: IRRITATION, NAUSEA, VOMITING, DIARRHEA. HARMFUL/FATAL IF SWALLOWED. CHRONIC: ANIMAL STUDIES HAVE CLEARLY DEMONSTRATED DOSE-RELATED ADVERSE EFFECTS ON CNS, BLOOD FORMING TISSUES, BLOOD, KIDNEYS & LIVER ASSOC W/ADMIN OF ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE).
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: KANO LABORATORIES INC
Label Street: 1000 S THOMPSON LANE
Label City: NASHVILLE
Label State: TN
Label Zip Code: 37211-2627
Label Country: US
Label Emergency Number: 15-833-4101
=====

URL for this msds <http://siri.org>. If you wish to change, add to, or delete information in this archive please sent updates to dan@siri.org.



Health	1
Fire	0
Physical	0
Pers. Protection	A

Material Safety Data Sheet

Blue Magic, Inc.
1207 N FM 3083 E
Conroe, TX 77303
(888) 522-2746 or (936) 539-1555

CHEMTREC 24-HOUR EMERGENCY RESPONSE

TOLL-FREE NUMBER: (800) 424-9300

CHEMTREC should be contacted only in the event of chemical accidents involving, fire, spill, exposure, or other emergency situations involving the chemical product described herein.

Section 1: Chemical Product Identification

PRODUCT NAME: **LEATHER & VINYL CLEANER**

HMIS CODES

Health: 1 Flammability: 0 Physical: 0

PRODUCT NUMBER: 800, 800-06, 800-06MX, 800-06P, 800MX-06WM, 801-06, 802-06;

Section 2: Composition and Information on Hazardous Ingredients

HAZARDOUS INGREDIENTS:

<u>CAS NUMBER</u>	<u>CHEMICAL NAME</u>	<u>WEIGHT %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>
112-80-1	Oleic acid	5 - 10	ND	ND	ND
68585-47-7	Sodium lauryl sulfate	5 - 10	ND	ND	ND
112-34-5	Diethylene glycol monobutyl ether	0 - 5	ND	ND	ND

Section 3: Hazards Identification

SUMMARY OF ACUTE HAZARDS

<u>ROUTE OF EXPOSURE</u>	<u>SIGN AND SYMPTOM</u>	<u>PRIMARY ROUTE</u>
INHALATION:	ND	NO
EYE CONTACT:	MAY CAUSE IRRITATION	YES
SKIN CONTACT:	MAY CAUSE IRRITATION	YES
INGESTION:	MAY CAUSE STOMACH DISTRESS, NAUSEA, AND VOMITING	YES

SUMMARY OF CHRONIC HAZARDS:

Exposure to diethylene glycol monobutyl ether can result in skin irritation and contact dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing disorders of the skin, eyes, and respiratory tract may be exacerbated by exposure to diethylene glycol monobutyl ether.

Section 4: First Aid Measures

- **EYE:** Remove any contact lenses and flush with running water for 15 minutes. Obtain medical attention if irritation persists.
- **SKIN:** Flush with water. Wash with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.
- **INGESTION:** Do not induce vomiting. Rinse mouth out. Obtain medical attention immediately. If unconscious, never give anything by mouth.
- **INHALATION:** N/A.

Section 5: Fire and Explosion Data

FLASH POINT °F: None

EXTINGUISHING MEDIUM: NA

SPECIAL FIRE FIGHTING PROCEDURES: NA

UNUSUAL FIRE AND EXPLOSION HAZARDS: Hazardous combustion products-may include and are not limited to oxides of carbon.

FLAMMABILITY LIMITS: LEL: NA UEL: NA

AUTO-IGNITION TEMPERATURE: NA

Section 6: Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT: ND

MATERIAL RELEASED OR SPILLS: Small spills may be absorbed with non-reactive absorbent material and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers, waterways, and soil.

Section 7: Handling and Storage

STORAGE: Keep out of reach of children. Store closed container upright away from incompatible materials and food. Do not store near heat, flame, sparks or other forms of ignition.

OTHER PRECAUTIONS: Do not re-use empty containers.

Section 8: Exposure Controls and Personal Protection

RESPIRATORY PROTECTION: None

ENGINEERING CONTROLS: General ventilation normally adequate.

SPECIAL: NA

PROTECTIVE GLOVES: Not needed in normal use

EYE PROTECTION: Not required under normal conditions, but always advisable when using chemical products.

WORK/HYGENIC PRACTICES: Where use can result in skin contact, wash exposed area thoroughly before eating, drinking, smoking, or in food preparation. Launder contaminated clothing before re-use.

OTHER PERSONAL PROTECTION: As required by employer policies.

Section 9: Physical and Chemical Properties

APPEARANCE: Milky

PHYSICAL STATE: Liquid

VAPOR PRESSURE (mmHg): ND

SOLUBILITY IN WATER: Dispersible

SPECIFIC GRAVITY: 0.99

PARTITION COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

ODOR: Mild

BOILING POINT (°F): ND

VAPOR DENSITY (AIR=1): ND

MELTING POINT: NA

EVAPORATION RATE (ETHYL ACETATE =1): ND

pH: 5.0-7.0

Section 10: Stability and Reactivity

STABILITY: Stable.

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: May include, but is not limited to oxides of carbon.

INCOMPATIBILITY: Oxidizers and reducers.

HAZARDOUS POLYMERIZATION: Will not occur.

Section 11: Toxicological Information

CARCINOGENICITY: NTP: No IARC MONOGRAPHS: No OSHA REGULATED: No
REPRODUCTIVE TOXICITY: ND TERATOGENICITY: ND MUTAGENICITY: ND
SKINTEX DATA: ND

There is no LD₅₀ or LC₅₀ information available.

Section 12: Ecological Information

WATER FOWL TOXICITY No data available for ingredients in this product.
BOD No data available for ingredients in this product.
AQUATIC TOXICITY No data available for ingredients in this product.

Section 13: Disposal Considerations

DISPOSAL METHOD: Dispose of in accordance with all local, state, and federal regulations.
CONTAINER DISPOSAL: Dispose of in accordance with all local, state, and federal regulations.

Section 14: Transport Information

DOT Proper shipping name: Not regulated.
OCEAN (IMDG): Not regulated.
AIR (IATA): Not regulated.
WHMIS (CANADA): Not regulated.
UN Number: None
NAFTA HS Code: 3402.20.1100

Section 15: Regulatory Information

TSCA: All ingredients are listed on the TSCA inventory.
SARA 313: None listed.
CERCLA RQ: NA.
RCRA CODE: NA.

Section 16: Other Information

THIS DOCUMENT IS PREPARED PURSUANT TO THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910. 1200).

LEGEND: ND = Not determined. NA = Not applicable.

The information provided herein is believed to be accurate and represents the best information currently available. However, Blue Magic, Inc. makes no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and assumes no liability resulting from use of MSDS information.

Revision Date: September 15, 2011
Supercedes: May 15, 2008

MATERIAL SAFETY DATA SHEET

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MSDS # 110338037

PLEDGE® AEROSOL - LEMON

Date Issued: 03Feb1999

Supersedes: 19Feb1996

US MANUFACTURER:
S.C. Johnson & Son, Inc.
Phone: (800) 725-6737
Racine, Wisconsin 53403-2236
Emergency Phone: (888) 779-7920
International Emergency Phone:
(262) 886-1480

CANADIAN MANUFACTURER:
S.C. Johnson and Son, Limited
Phone: (800) 725-6737
1 Webster Street
Brantford, Ontario N3T 5R1
Transportation Emergency:
CANUTEC (collect) (613) 996-6666
Poison Control: (888) 779-7920

Table with 4 columns: HAZARD RATING, HMIS, HAZARD, NFPA. Rows include 4-Very High, 3-High, 2-Moderate, 1-Slight, 0-Insignificant.

DISTRIBUTED IN CANADA BY:
S.C. Johnson and Son, Limited
Phone: (800) 725-6737
1 Webster Street
Brantford, Ontario N3T 5R1

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... PLEDGE® AEROSOL - LEMON
REASON FOR CHANGE..... No significant changes.
PRODUCT USE..... Furniture care

Table with 5 columns: UPC, SCTJ CODE, QUANTITY, US SIZE, CANADIAN SIZE. Rows show various product codes and quantities.

SECTION 2 - INGREDIENT INFORMATION

Table with 3 columns: INGREDIENT, WEIGHT%, EXPOSURE LIMIT/TOXICITY. Lists ingredients like Silicones, Butane, Isobutane, Propane, Isoparaffinic Hydrocarbon Solvent, and Water.

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11)

ROUTE(S) OF ENTRY..... Skin contact. Ingestion.
EFFECTS OF ACUTE EXPOSURE:
EYE..... May cause: Sensation of irritation.
SKIN..... None known.
INHALATION..... None known.
INGESTION..... Aspiration into the lungs may cause severe health effects.
MEDICAL CONDITIONS..... None known.
GENERALLY RECOGNIZED
AS BEING AGGRAVATED
BY EXPOSURE

MATERIAL SAFETY DATA SHEET

Page 2 of 4

MSDS # 110338037

PLEDGE® AEROSOL - LEMON

Date Issued: 03Feb1999

Supersedes: 19Feb1996

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Rinse with plenty of water.
SKIN CONTACT..... Wash contaminated area with water and soap.
INHALATION..... Remove to fresh air.
INGESTION..... Immediately drink 1-2 glasses of water or milk. Seek immediate medical attention.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... < 20°F (< -7°C) (TCC) (propellant)
FLAMMABLE LIMITS..... Not available.
AUTOIGNITION..... Not applicable.
TEMPERATURE
EXTINGUISHING MEDIA.... Foam. CO2. Dry chemical. Water fog.
SPECIAL FIREFIGHTING... Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Fire fighters should wear self-contained breathing apparatus and protective clothing.
PROCEDURES
UNUSUAL FIRE AND..... Aerosol product - Containers may rocket or explode in heat of
EXPLOSION HAZARDS fire.

SECTION 6 - PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN... Eliminate all ignition sources. Absorb with oil-dri or similar
CASE MATERIAL IS inert material. Sweep or scrape up and containerize. Rinse
RELEASED OR SPILLED affected area thoroughly with water.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONARY..... CAUTION: FLAMMABLE: Contains: petroleum distillate. CONTENTS
INFORMATION UNDER PRESSURE. Do not use near open fire, flames or heat. Do not puncture or incinerate. Do not store at temperatures above 120 °F (50 °C). Do not spray or use on floors. Keep out of reach of children.
OTHER HANDLING AND..... Store in a cool, dry place with adequate ventilation. Keep from
STORAGE CONDITIONS freezing.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION. No special requirements under normal use conditions.
VENTILATION..... No special requirements.
PROTECTIVE GLOVES..... No special requirements under normal use conditions.
EYE PROTECTION..... No special requirements under normal use conditions.
OTHER PROTECTIVE..... No special requirements.
MEASURES

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

COLOR..... Opaque
PRODUCT STATE..... Dispensed as a spray mist.
ODOR..... Lemon
pH..... Not applicable.
ODOR THRESHOLD..... Not available.
SOLUBILITY IN WATER.... Dispersible
SPECIFIC GRAVITY..... 0.828
(H2O=1)
VAPOR DENSITY (AIR=1).. Not available.

MATERIAL SAFETY DATA SHEET

PLEDGE® AEROSOL - LEMON

Date Issued: 03Feb1999

Supersedes: 19Feb1996

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)

EVAPORATION RATE (BUTYL ACETATE=1) Not available.
VAPOR PRESSURE (mm HG). Not available.
BOILING POINT..... Not applicable.
FREEZING POINT..... Not applicable.
COEFFICIENT OF..... Not available.
WATER/OIL
PERCENT VOLATILE BY.... Not available.
VOLUME (%)
VOLATILE ORGANIC..... Hydrocarbon propellant Isoparaffinic Hydrocarbon.
COMPOUND (VOC)
THEORETICAL VOC..... 1.44-1.46 lb/gal
(LB/GAL)

SECTION 10 - STABILITY AND REACTIVITY

STABILITY..... Stable
STABILITY - CONDITIONS. Not applicable.
TO AVOID
INCOMPATIBILITY..... No special requirements.
HAZARDOUS DECOMPOSITION PRODUCTS No special requirements.
HAZARDOUS..... Will not occur.
POLYMERIZATION
HAZARDOUS..... Not applicable.
POLYMERIZATION -
CONDITIONS TO AVOID

SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3)

LD50 (ACUTE ORAL TOX).. Greater than 5000 mg/kg (rats)
LD50 (ACUTE DERMAL TOX) Not applicable.
LC50 (ACUTE INHALATION. Not applicable.
TOX)
EFFECTS OF CHRONIC..... None known.
EXPOSURE
SENSITIZATION..... None known.
CARCINOGENICITY..... None known.
REPRODUCTIVE TOXICITY.. None known.
TERATOGENICITY..... None known.
MUTAGENICITY..... None known.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA..... Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... If possible, recycle empty aerosol can to nearest steel
INFORMATION recycling center. Use up package or give to someone who can.

MATERIAL SAFETY DATA SHEET

PLEDGE® AEROSOL - LEMON

Date Issued: 03Feb1999

Supersedes: 19Feb1996

----- SECTION 14 - TRANSPORTATION INFORMATION -----

US DOT INFORMATION..... Buffing or polishing compounds, N.O.I. Consumer commodity, ORM-D
CANADIAN SHIPPING NAME. LEMON PLEDGE
TDG CLASSIFICATION..... Not applicable.
PIN/NIP..... Not applicable.
PACKING GROUP..... Not applicable.
EXEMPTION NAME..... Consumer commodity

----- SECTION 15 - REGULATORY INFORMATION -----

WHMIS CLASSIFICATION... Non-regulated.

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

This product is not subject to the reporting requirements under California's Proposition 65.

----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. NFPA 30B Level 1 Aerosol.
EPA REGISTRATION #..... Not applicable.

----- PREPARATION INFORMATION -----

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1
(Manufacturer) for contact information.

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

PRINT DATE: 04May2000

MATERIAL SAFETY DATA SHEET

Company Name: MACCO ADHESIVES
Address: 925 EUCLID AVE.
City / State / Zip: CLEVELAND / OH / 44115
US-CHEMTREC Phone(I): (800)424-9300
US-CHEMTREC Phone(II): (703)527-3887
CAN-CANUTEC Phone: (613)996-6666
Vendor Update: 7/26/2002
Date Prepared: 8/19/2002
MSDS Number: LN601 ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: LIQUID NAILS ADHESIVE
HMIS Ratings:
NFPA Ratings:

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
2-METHYLPENTANE	107-83-5	5 - 10	500 PPM C 1000 PPM				
Notes							
LIMESTONE	1317-65-3	20 - 30	10 MG/M ³	5 MG/M ³		ORAL RAT: 6450 MG/KG	
Notes							
CLAY (KAOLIN)	1332-58-7	20 - 30	2 MG/M ³	5 MG/M ³			
Notes							
QUARTZ	14808-60-7	.1 - 1.0	.05 MG/M ³	0.1MG/M ³			
Notes	PRODUCT LISTED AS A CARCINOGENICITY BY NTP: YES IARC: YES 1						
STYRENE BUTADIENE POLYMER (BENZENE, 1,3-DIETHENYL,POLYMER W/1.3-BUTADIENE AND ETHENYLBENZENE	26471-45-4	5 - 10					
Notes							
LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)	64742-89-8	10 - 20		300 PPM		SKIN RABBIT: 3.16 GM/KG ORAL RAT: 5.00 GM/KG	
Notes							
AROMATIC HYDROCARBON RESIN (DISTILLATES (PETROLEUM), STEAM-CRACKED,POLYMERS WITH LIGHT STEAM-CRACKED PETROLEUM NAPHTHA	68410-16-2	10 - 20					
Notes							
2,2 DIMETHYLBUTANE	75-83-2	1 - 5	500 PPM 1000 PPM				

Notes							
2,3 DIMETHYLBUTANE	79-29-8	1 - 5	500 PPM 1000 PPM				
Notes							
STYRENE-BUTADIENE POLYMER (BENZENE, ETHENYL, POLYMER WITH 1.3-BUTADIENE	9003-55-8	1 - 5					
Notes							
3-METHYLPENTANE	96-14-0	1 - 5	500 PPM 1000 PPM				
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes:	IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE CONJUNCTIVITIS, BLURRED VISION, TEARING OF EYES, REDNESS OF EYES, SEVERE EYE IRRITATION.
Skin:	IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING.
Ingestion:	INGESTION MAY LEAD TO LOSS OF APPETITE, MUCOUS MEMBRANE IRRITATION, FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, ABDOMINAL PAIN, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, DIFFICULTY OF BREATHING, CONVULSIONS, PARALYSIS, CARDIAC FAILURE, DEATH.
Inhalation:	PROLONGED INHALATION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, ANESTHETIC EFFECT OR NARCOSIS, DIFFICULTY OF BREATHING, CONVULSIONS, LOSS OF CONSCIOUSNESS, DEATH.

Signs and Symptoms of Exposure:

IV. FIRST AID MEASURES

Eyes:	FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.
Skin:	WASH THOROUGHLY WITH SOAP AND WATER. IF ANY PRODUCT REMAINS, GENTLY RUB PETROLEUM JELLY, VEGETABLE OR MINERAL/BABY OIL ONTO SKIN. REPEATED APPLICATIONS MAY BE NEEDED. REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE RE-USE.
Ingestion:	IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY.
Inhalation:	REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING. GET EMERGENCY MEDICAL ATTENTION. HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL HELP FOR ANY BREATHING DIFFICULTY.

V. FIRE FIGHTING MEASURES

Flash Point: 1°F (-17°C)

Lower Flammability Limit: 1 %

Upper Flammability Limit: 7 %

Extinguishing Agents: DRY CHEMICAL OR FOAM, WATER FOG, CARBON DIOXIDE.

Unusual Fire or Explosion Hazards: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE. VAPORS MAY IGNITE EXPLOSIVELY AT AMBIENT TEMPERATURES. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND FLASH BACK. VAPORS CAN FORM EXPLOSIVE MIXTURES IN AIR AT ELEVATED TEMPERATURES. CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR FIRE. MAY DECOMPOSE UNDER FIRE CONDITIONS EMITTING IRRITANT AND/OR TOXIC GASES.

Fire Fighting Procedures: WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS. FIREFIGHTERS SHOULD USE FULL PROTECTIVE CLOTHING, EYE PROTECTION, AND SELF-CONTAINED BREATHING APPARATUS.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup: COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS. ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA. VENTILATE AREA WITH EXPLOSION-PROOF EQUIPMENT. USE NON-SPARKING TOOLS. EVACUATE ALL UNNECESSARY PERSONNEL. PLACE COLLECTED MATERIAL IN PROPER CONTAINER. COMPLETE PERSONAL PROTECTIVE EQUIPMENT MUST BE USED DURING CLEANUP.
LARGE SPILLS – SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SPILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGEABLE MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES.
SMALL SPILLS – USE ABSORBENT TO PICK UP RESIDUE AND DISPOSE OF PROPERLY.

VII. HANDLING AND STORAGE

Other: STORE BELOW 80°F. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING OR SMOKING. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE. EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES. GROUND EQUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION OF STATIC CHARGE.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory: CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE EXPOSURE STANDARDS WHEN USING THIS MATERIAL. WHEN RESPIRATORY PROTECTION IS DETERMINED TO BE NECESSARY, USE A NIOSH/MSHA (CANADIAN Z94.4) APPROVED ELASTOMERIC SEALING-SURFACE FACEPIECE RESPIRATOR OUTFITTED WITH ORGANIC VAPOR CARTRIDGES AND PAINT SPRAY (DUST/MIST) PREFILTERS. DETERMINE THE PROPER LEVEL OF PROTECTION BY CONDUCTING APPROPRIATE AIR MONITORING. CONSULT 29 CFR 1910.134 FOR SELECTION OF RESPIRATORS (CANADIAN Z94.4).

Engineering: PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS. USE EXPLOSION-PROOF EQUIPMENT. USE NON-SPARKING EQUIPMENT.

Other: PERSONAL PROTECTIVE EQUIPMENT: EYE WASH, SAFETY SHOWERS, SAFETY GLASSES OR GOGGLES. IMPERVIOUS GLOVES, IMPERVIOUS CLOTHING.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: TAN
Boiling Point: 122° – 185°F (50° – 85°C)
pH: NOT AVAILABLE
Solubility in Water: NO
Specific Gravity: 1.132
Vapor Pressure: NOT AVAILABLE
Physical State: PASTE
Volatile Content: % VOLATILE BY VOLUME: 57.58
Other: WEIGHT PER GALLON: 9.43/11.32 IMP

X. STABILITY AND REACTIVITY

Stability: STABLE UNDER NORMAL CONDITIONS.

Hazardous Polymerization: WILL NOT OCCUR

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, TOXIC GASES. OXIDES OF CALCIUM.

Incompatible Products: OXIDIZERS, ACIDS. STYRENE MONOMER.

Conditions To Avoid: ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENTS, SPARKS, OPEN FLAME, IGNITION SOURCES.

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Information: CONTAINS A CHEMICAL THAT MAY BE ABSORBED THROUGH SKIN. NOTICE – REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. OTHER EFFECTS OF OVEREXPOSURE MAY INCLUDE TOXICITY TO CENTRAL NERVOUS SYSTEM.

Special Hazard Information: CONTAINS CRYSTALLINE SILICA WHICH IS CONSIDERED A HAZARD BY INHALATION. IARC HAS CLASSIFIED CRYSTALLINE SILICA AS CARCINOGENIC TO HUMANS (GROUP 1). CRYSTALLINE SILICA IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE. THE NATIONAL TOXICOLOGY PROGRAM (NTP) HAS CLASSIFIED CRYSTALLINE SILICA AS A KNOWN HUMAN CARCINOGEN.

Other: NO REPRODUCTIVE/MUTAGENIC/TERATOGENIC EFFECTS ARE ANTICIPATED.

XII. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: NO ECOLOGICAL TESTING HAS BEEN DONE ON THIS PRODUCT AS A WHOLE.

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. AVOID DISCHARGE TO NATURAL WATERS.

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: ADHESIVES, 3, UN1133, PGIII
Other: IMDG: ADHESIVES, CLASS 3, UN1133, PGIII, LIMITED QUANTITY.
 ADHESIVES, CLASS 3, UN1133, PGIII
 IATA: CONSUMER COMMODITY, 9, ID8000
 TDG: NOT AVAILABLE.

XV. REGULATORY INFORMATION

TSCA Status: AS OF THE DATE OF THIS MSDS, ALL OF THE COMPONENTS IN THIS PRODUCT ARE LISTED (OR ARE OTHERWISE EXEMPT FROM LISTING) ON THE TSCA INVENTORY.

EPA Sara Title III Chemical Listings: SARA SECTION 302, 313; CERCLA 302.4; HAZ AIR POLLUTANT; MARINE POLLUTANT:
 THIS PRODUCT CONTAINS NO SARA, CERCLA OR HAZARDOUS AIR POLLUTANT CHEMICALS. IT ALSO CONTAINS NO CHEMICALS WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS UNDER SARA 313.

Other: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR (CONTROLLED PRODUCTS REGULATIONS) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

XVI. OTHER INFORMATION**WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION						
NFPA Rating: Health-2; Flammability-2; Reactivity-0; Special-0			HMIS Rating: Health-2; Flammability-2; Reactivity-0; Personal Protection-B			
Manufactured For: WAXIE Sanitary Supply Address: 9353 Waxie Way Address: San Diego, CA 92193-1036			DOT Hazard Classification: ORM-D Identity (trade name as used on label): Magnet Dust Mop Treatment			
Phone: 1-800-995-4466			MSDS Number: A00 810 Revision: 10			
Emergency Response Number: 1-800-255-3924			Date Prepared: 05/27/03 Prepared By: CH/IB			
NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA Information Calls: 858-292-8111						
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
PETROLEUM DISTILLATE		8052-41-3	No	500	100	d
PETROLEUM DISTILLATE		64742-54-7	No	5mg/M3	5mg/M3	d
ISOBUTANE / PROPANE BLEND		75-28-5	No	800	800	d
		74-98-6	No	1000	1000	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: N/A			Specific Gravity (H ₂ O=1): Concentrate Only = 0.93			
Vapor Pressure: PSIG @ 70°F (Aerosols): Max. 50			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A			
Vapor Density (Air = 1): N/E			Evaporation Rate (= 1): N/E			
Solubility in Water: Emulsifiable			Water Reactive: No			
Appearance and Odor: White, creamy spray with pine fragrance.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols); less than 18" projection: NOT CATEGORIZED AS FLAMMABLE		Auto Ignition Temperature N/E	Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E			
FLASH POINT AND METHOD USED (non-aerosols): N/A		EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.				
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.		Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.				
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE		HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR				
Incompatibility (Mat. to avoid): Strong oxidizers.		Conditions to Avoid: Open flame, welding arcs, heat, sparks.				
Hazardous Decomposition Products: CO, CO ₂ .						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS: Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.						
Eye Contact: Irritation			Skin Contact: Irritation			
Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea.						
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) Dermatitis.						
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. If Irritated, seek medical attention.						
Skin Contact: Wash with soap and water. If Irritated, seek medical attention.						
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.						
Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH for organic vapor.						
Protective Gloves: Disposable Latex or Nitrile.			Eye Protection: Safety glasses.			
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.						
Other Protective Clothing & Equipment: Eyewash station recommended.						
Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken if Material is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. DO NOT FLUSH TO SEWER.						
Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.						
Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Remove ignition sources. Avoid prolonged breathing of spray mist.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only



Material Safety Data Sheet

Document Code: Wood/MW
Version: 00

Date of Preparation
17-JAN-2000

Section 1 - Product and Company Identification

PRODUCT NAME & NUMBERS

MINWAX® WOOD FINISH®

209	Natural	230	Early American
210B	Golden Oak	235	Cherry
211	Provincial	241	Fruitwood
215	Red Oak	245	Golden Pecan
218	Puritan Pine	260	Pickled Oak
221	Ipswich Pine	2126	Driftwood
223	Colonial Maple	2716	Dark Walnut
224	Special Walnut	2718	Ebony
225	Red Mahogany	2750	Jacobean

HMIS CODES

Health	2*
Flammability	2
Reactivity	0

PRODUCT CLASS

Alkyd Stain

MANUFACTURER'S NAME

MINWAX Company
10 Mountainview Road
Upper Saddle River, NJ 07458

EMERGENCY TELEPHONE NO.

(216) 566-2917

INFORMATION TELEPHONE NO.

(800) 523-9299

Section 2 - Composition/Information on Ingredients

Products were reformulated on 01/01/00. Check manufacturer's date on lid of can.

Products Mfg. After 01/01/00:

% WT.	CAS No.	Ingredient Name
50-56	64742-88-7	Mineral Spirits. ACGIH TLV TWA 100 PPM OSHA PEL TWA 100 PPM
4-5	64741-65-7	Mineral Spirits (Odorless). ACGIH TLV TWA 100 PPM OSHA PEL TWA 100 PPM
6-9	64742-52-5	Heavy Naphthenic Petroleum Oil. ACGIH TLV TWA 5 Mg/M3 as Mist OSHA PEL TWA 5 Mg/M3 as Mist
6-9	64742-53-6	Highly refined Naphthenic Oil. ACGIH TLV TWA 5 Mg/M3 as Mist OSHA PEL TWA 5 Mg/M3 as Mist
0-2	14807-96-6	Talc ACGIH TLV TWA 2 Mg/M3 as Resp. Dust OSHA PEL TWA 2 Mg/M3 as Resp. Dust
0-4	13463-67-7	Titanium Dioxide. ACGIH TLV TWA 10 Mg/M3 as Dust OSHA PEL TWA 10 Mg/M3 as Total Dust OSHA PEL TWA 5 Mg/M3 as Respirable Fraction
0-0.8	1333-86-4	Carbon Black. ACGIH TLV TWA 3.5 Mg/M3 OSHA PEL TWA 3.5 Mg/M3

- Continued -

Products Mfg. Before 01/01/00:

% WT.	CAS No.	Ingredient Name	ACGIH TLV TWA	OSHA PEL TWA	PPM
71-87	64742-88-7	Mineral Spirits.	100	100	PPM
		ACGIH TLV TWA	100	100	PPM
0-2	64741-65-7	Mineral Spirits (Odorless).	100	100	PPM
		ACGIH TLV TWA	100	100	PPM
0-0.2	136-52-7	Cobalt 2-Ethylhexanoate.	Not Established	Not Established	
		ACGIH TLV	Not Established	Not Established	
0-7	14807-96-6	Talc	2	2	Mg/M3 as Resp. Dust
		ACGIH TLV TWA	2	2	Mg/M3 as Resp. Dust
0-6	13463-67-7	Titanium Dioxide.	10	10	Mg/M3 as Dust
		ACGIH TLV TWA	10	10	Mg/M3 as Total Dust
		OSHA PEL TWA	5	5	Mg/M3 as Respirable Fraction
0-1	1333-86-4	Carbon Black.	3.5	3.5	Mg/M3
		ACGIH TLV TWA	3.5	3.5	Mg/M3
		OSHA PEL TWA	3.5	3.5	Mg/M3

Section 3 - Hazards Identification

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

FOR COMPLETE DISCUSSION OF TOXICOLOGY DATA REFER TO SECTION 11.

Section 4 - First Aid Measures

- If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
- If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
- If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
- If SWALLOWED: Get medical attention.

Section 5 - Fire Fighting Measures

FLASH POINT	LEL	UEL
101-110 °F PMCC	1.0	7.0

FLAMMABILITY CLASSIFICATION

Combustible, Flash above 99 and below 200 °F

- Continued -

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 6 - Accidental Release Measures**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate and remove with inert absorbent.

Section 7 - Handling and Storage**DOL STORAGE CATEGORY**

2

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are COMBUSTIBLE. Keep away from heat and open flame.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

To minimize the possibility of spontaneous combustion: control the accumulation of overspray; soak wiping rags and waste immediately after use in a water-filled, closed metal container; air dry filters outside, far from any combustible material and separated by bricks or other non-combustible spacers; dispose of all contaminated materials and waste properly. Consult OSHA 29 CFR 1910.107(b)(5) and NFPA 33, Chapter 8 (8-9) for the proper procedures.

Section 8 - Exposure Controls/Personal Protection**PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m³ (total dust), 3 mg./m³ (respirable fraction), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 9 - Physical and Chemical Properties

PRODUCT WEIGHT	6.6-7.2 lb./gal.	EVAPORATION RATE	Slower than Ether
SPECIFIC GRAVITY	0.79-0.87	VAPOR DENSITY	Heavier than Air
BOILING POINT	300-412 °F	MELTING POINT	N.A.
VOLATILE VOLUME	62-92 %	SOLUBILITY IN WATER	N.A.
VOC - Mfg. After 01/01/00	4.0-4.3 lbs./gal. (less exempt solvents)		
VOC - Mfg. Before 01/01/00	5.0-5.9 lbs./gal. (less exempt solvents)		

Section 10 - Stability and Reactivity

STABILITY - Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

Section 11 - Toxicological Information

CHRONIC HEALTH HAZARDS

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is inadequate evidence in humans for its carcinogenicity.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

TOXICOLOGY DATA

CAS No.	Ingredient Name
64742-88-7	Mineral Spirits. LC50 RAT 4HR >700 PPM LD50 RAT 4700 MG/KG
64741-65-7	Mineral Spirits (Odorless). LC50 RAT 4HR Not Available LD50 RAT Not Available
64742-52-5	Heavy Naphthenic Petroleum Oil. LC50 RAT 4HR Not Available LD50 RAT Not Available
64742-53-6	Highly refined Naphthenic Oil. LC50 RAT 4HR Not Available LD50 RAT >5000 MG/KG
136-52-7	Cobalt 2-Ethylhexanoate. LC50 RAT 4HR Not Available LD50 RAT Not Available
14807-96-6	Talc LC50 RAT 4HR Not Available LD50 RAT Not Available
13463-67-7	Titanium Dioxide. LC50 RAT 4HR Not Available LD50 RAT >7500 MG/KG
1333-86-4	Carbon Black. LC50 RAT 4HR Not Available LD50 RAT >15400 MG/KG

Section 12 – Ecological Information

ECOTOXICOLOGICAL INFORMATION

No Data Available.

Section 13 – Disposal Considerations

WASTE DISPOSAL METHOD

Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 14 – Transport Information

DOT PROPER SHIPPING DESCRIPTION: Paint and Related Materials, NOIBN

IATA/IMDG SHIPPING DESCRIPTION: Paint, 3, UN1263, PG III, Ltd Qty

Section 15 – Regulatory Information

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
	Cobalt Compound.	0-0.2	0-0.04

CALIFORNIA PROPOSITION 65 (Before and After 01/01/00)

After 01/01/00 - WARNING: These products, except for 209, contain a chemical known to the State of California to cause cancer.

Before 01/01/00 - WARNING: 215, 221, 223, 224, 225, 230, 235, 241, 245, 260, 2126, 2716 and 2750 contain a chemical known to the State of California to cause cancer. 2718 contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Continued -

TSCA CERTIFICATION

All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 - Other Information

*CANADIAN DISTRIBUTOR: Consumer Brands Canada Inc.
200 Confederation Parkway
Vaughn, ON L4K 4T8*

NOTE: These products have been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

MATERIAL SAFETY DATA SHEET

Page 1 of 3

Para-Chem[®], PO Box 127, Simpsonville, SC 29681

24-Hour Emergency Telephone: (864) 967-7691

SECTION 1. PRODUCT IDENTIFICATION

PRODUCT NAME: PARABOND[®] M-2850 INDOOR/OUTDOOR CARPET ADHESIVE

CHEMICAL FAMILY: Water Base Adhesive

SECTION 2. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
None.				

SECTION 3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Eyes, Skin

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Can cause slight irritation.

SKIN CONTACT: No effects expected.

INGESTION: May cause discomfort to digestive system.

INHALATION: No effects expected.

CHRONIC: None known.

CARCINOGENICITY: This product contains no ingredient above the OSHA minimum reporting threshold listed as a carcinogen by IARC, NTP, or OSHA.

SECTION 4. FIRST AID MEASURES

EYE CONTACT: Flush with water for 15 minutes. Call physician if irritation occurs.

SKIN CONTACT: Wash with soap and water.

INGESTION: Do not induce vomiting and call physician immediately.

INHALATION: Move person to fresh air.

SECTION 5. FIRE-FIGHTING MEASURES

FLASH POINT (°)F: None.

LOWER FLAMMABLE LIMIT: None. UPPER FLAMMABLE LIMIT: None.

FIRE-FIGHTING INSTRUCTIONS: Use protective clothing and self-contained breathing apparatus.

EXTINGUISHING MEDIA: Water fog, CO₂, dry chemical, and chemical foam.

DECOMPOSITION PRODUCTS: Dried material may produce CO, CO₂, H₂O, N_xO, and other products from the burning of hydrocarbons.

MATERIAL SAFETY DATA SHEET

Page 2 of 3

SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Place back into container for use if uncontaminated. For contaminated product, scoop material into secure waste container. Dispense sand, sawdust, or vermiculite onto residue, collect and place in waste container. Wash area thoroughly with water.

SECTION 7. HANDLING AND STORAGE

HANDLING: Use good hygienic practices. (Wash hands before eating, using washroom, or smoking.) Product will adhere to skin and clothing. Keep out of the reach of children.
STORAGE: Store above 40° F. Freeze-thaw stable up to five cycles at 20° F.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Wear splash goggles or safety glasses if contact with material is likely.

SKIN PROTECTION: Wear leather gloves where contact with material is likely.

RESPIRATORY PROTECTION: Not normally required with good ventilation.

ENGINEERING CONTROLS: Normal room ventilation. Use floor and ceiling fans, open doors and windows during application to ventilate work area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (°F): 212

SPECIFIC GRAVITY (WATER = 1): 1.24

VAPOR PRESSURE: Same as water.

VAPOR DENSITY(air=1): Same as water.

% VOLATILE BY WEIGHT: 21.0

pH: 10.15

APPEARANCE AND ODOR: Straw colored paste with mild odor.

SECTION 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

SECTION 11. TOXICOLOGICAL INFORMATION

No information available.

Plexi-Plus Plexiglass Cleaner

MATERIAL SAFETY DATA SHEET (MSDS)

PRODUCT IDENTITY: Plexiplus Gel Cleaner (Wipe-Out Formula)

CHEMICAL FAMILY: Aqueous Cleaning Compound

EFFECTIVE DATE: January 1, 2005

1. GENERAL INFORMATION:

Manufactured by: Gemini Technologies, Inc.
Company Address: 810 S. Maumee Street, Tecumseh, MI 49286

EMERGENCY TELEPHONE NO: (517) 423-3113, (517) 424-6492 Evenings

2. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION:

All ingredients are non-hazardous according to OSHA CFR 29 part 1900-1200 sub part 2.

3. PHYSICAL/CHEMICAL CHARACTERISTICS:

Freezing Point: 32° F
Boiling Point: 220° F
pH: 7.26
Viscosity (Centipoise): 2200cp
Vapor Pressure: not established
Vapor Density (Air = 1): not established
Percent Volatile: 80%
Percent Non-volatile (% by weight): 20%
Specific Gravity (H₂O = 1): .98
Melting Point: Not established
Evaporation Rate (Butyl Acetate = 1): Not established
Solubility in Water: Complete
Appearance and Odor: Clear blue gel, slight apple fragrance

4. FIRE AND EXPLOSION HAZARD DATA:

Flash Point (method used): >500°F
Flammability Limits in Air: Lower: n/a Upper: n/a
Extinguishing Media: CO₂, dry chemical, foam

Unusual Fire and Explosion Hazards: None
Special Fire Fighting Procedures: None
Comments: Not a fire hazard

5. REACTIVITY DATA:

Stability: Stable
Conditions to Avoid: Freezing, extreme heat
Incompatibility (Materials to Avoid): Acids, or oxidizing agents
Hazardous Decomposition or Byproducts: n/a
Hazardous Polymerization: Will not occur
Conditions to Avoid: Acidic materials, strong oxidizing agents

Plexi-Plus Plexiglass Cleaner

MATERIAL SAFETY DATA SHEET (MSDS)

6. HEALTH HAZARD DATA:

Health Hazards (Acute and Chronic):	Acute hazards not established. No chronic hazards.
Signs and Symptoms of Exposure:	Not established
Medical Conditions Generally Aggravated by Exposure:	Not established

EMERGENCY FIRST AID PROCEDURES:

Flush eyes with water for at least 15 minutes.
Wash skin with soap and water.
Remove to fresh air.
If swallowed, do not induce vomiting, call doctor immediately.

7. PRECAUTIONS FOR SAFE HANDLING AND USE:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Clean up and dispose of properly according to state and federal regulations.

WASTE DISPOSAL METHOD: In accordance with all state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep out of reach of children. In case of eye contact or prolonged skin contact, flush with water. If swallowed drink a glass of water and call a physician.

KEEP AWAY FROM EXTREME HEAT/FREEZING when storing.

LABEL PRECAUTIONS: Avoid eye contact, prolonged skin exposure, do not swallow.

8. SPECIAL PRECAUTIONS:

None

9. CONTROL MEASURES:

Respiratory Protection:	None under normal conditions
Ventilation:	Local
Local Exhaust:	Yes
Mechanical (General):	
Other:	
Protective Gloves:	Always good practice in the workplace
Eye Protection:	Always protect eyes in the workplace
Other Protective Clothing or Equipment:	Not necessary under normal conditions
Work/Hygienic Practices:	Typical workplace procedures include washing hands after working with chemicals and always before eating

10. COMMENTS:

Shipping Name:	Compound cleaning liquid
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The information herein is given under good faith.
No warranty, express or implied is made.

Prepared by:	J. Johnson
Last Revision Date:	January 1, 2004

View MSDS Section : [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Premium Plus® Interior Enamel Undercoater Primer & Sealer No. 75**

MSDS Manufacturer Number: 75

Manufacturer Name: BEHR Process Corporation

Address: 3400 W. Segerstrom Avenue
Santa Ana, CA 92704

General Phone Number: (714) 545-7101

General Fax Number: (714) 241-1002

Customer Service Phone Number: (800) 854-0133 ext. 2

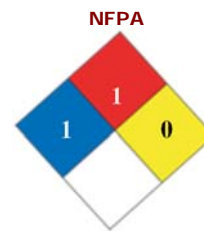
CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300

Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)

MSDS Creation Date: June 26, 2006

MSDS Revision Date: July 03, 2009

MSDS Format: According to ANSI Z400.1-2004



HMIS

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	

* Chronic Health Effects

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Titanium dioxide	13463-67-7	10 - 30 by weight
Nepheline Syenite	37244-96-5	5 - 10 by weight
Undisclosed/Proprietary	No data	1 - 5 by weight
Non hazardous ingredient(s)	Not applicable	30 - 60 by weight
NJTS-50780-NLD	Proprietary	1 - 5 by weight
NJTS-50761-NLD	Proprietary	10 - 30 by weight
Ethylene glycol	107-21-1	1 - 5 by weight
Hydrophobed polyethylene glycol	No data	1 - 5 by weight
Silica, amorphous, precipitated and gel	112926-00-8	1 - 5 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Irritant.

Potential Health Effects:

 Eye: May cause irritation.

 Skin: May cause irritation.

 Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.

 Ingestion: May be harmful if swallowed. May cause vomiting.

Chronic Health Effects: Prolonged or repeated contact may cause skin irritation.

Signs/Symptoms: Overexposure may cause headaches and dizziness.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Aggravation of Pre-Existing Conditions: None generally recognized.

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	No Data
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide

or any other circumstances where an purifying respirators may not provide adequate protection.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EXPOSURE GUIDELINES

Titanium dioxide :

Guideline ACGIH: TLV-TWA: 10 mg/m3

Guideline OSHA: OSHA-TWA: 15 mg/m3

Ethylene glycol :

Guideline ACGIH: TLV-STEL: C 100 mg/m3 (Aerosol only)

Silica, amorphous, precipitated and gel :

Guideline ACGIH: TLV-TWA: 10 mg/m3

Guideline OSHA: OSHA-TWA: 20 mg/m3

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance: Liquid.
Boiling Point: No Data
Melting Point: No Data
Density: 10 - 12 Lbs./gal.
Vapor Density: Greater than 1 (Air = 1).
pH: No Data
Molecular Formula: Mixture
Molecular Weight: Mixture
Flash Point: No Data
VOC Content: Material VOC: 43 gm/l (Includes Water)
Coating VOC.: 99 gm/l (Excludes Water)

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Hazardous Polymerization: Not reported.
Conditions to Avoid: Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatible Materials: Oxidizing agents. Strong acids and alkalis.

SECTION 11 - TOXICOLOGICAL INFORMATION

Titanium dioxide :

RTECS Number: XR2275000

Skin: Skin - Rabbit; Standard Draize Test. : 300 ug/3D; (Intermittent) mild. (RTECS)

Ingestion: Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - hypermotility, diarrhea
Gastrointestinal - other changes. (RTECS)

Ethylene glycol :

RTECS Number: KW2975000

Eye: Eye - Rabbit; Standard Draize Test. : 500 mg/24H; mild.
Eye - Rabbit; Standard Draize Test. : 1440 mg/6H; Moderate. (RTECS)

Skin: Skin - Rabbit; Open irritation : 555 mg; mild. (RTECS)

Inhalation: Inhalation. - Rat LC: >200 mg/m3/4H; Details of toxic effects not reported other than lethal dose value.
Inhalation. - Mouse LC: >200 mg/m3/2H; Details of toxic effects not reported other than lethal dose value. (RTECS)

Ingestion: Ingestion - Rat LD50: 4700 mg/kg; Details of toxic effects not reported other than lethal dose value.. (RTECS)

Silica, amorphous, precipitated and gel :

RTECS Number: VV7315000

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.
Environmental Fate: No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 - TRANSPORT INFORMATION

DOT UN Number: No Data
DOT Hazard Class: No Data

SECTION 15 - REGULATORY INFORMATION

Titanium dioxide :

TSCA Inventory Status: Listed
State Regulations: Listed in the New Jersey State Right to Know List.
Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL: Listed

Nepheline Syenite :

TSCA Inventory Status: Not listed
Canada DSL: Listed

Ethylene glycol :

TSCA Inventory Status: Listed
State Regulations: Listed in the New Jersey State Right to Know List.
Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL: Listed

Silica, amorphous, precipitated and gel :

TSCA Inventory Status: Not listed
Canada DSL: Listed

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 1
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Other: x
MSDS Creation Date: June 26, 2006
MSDS Revision Date: July 03, 2009
MSDS Revision Notes: Quarterly formula update
MSDS Author: Actio Corporation

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

Trademark: The trademarks, service marks, graphics and logos used on this MSDS are registered or unregistered trademarks of BEHR Process Corporation. All Rights Reserved.

Material Safety Data Sheet

[Home] [Manufacturer] [Part Number] [NSN] [Help]

S N I - Material Identity

Part Number/Trade Name..... PRO-TECTA-COTE MATTE LAQUER, 1432
 National Stock Number..... 801000N008142
 CAGE Code..... 60689
 Part Number Indicator..... A
 MSDS Number..... 193005
 HAZ Code..... U

SECTION II - Manufacturer's Information

Manufacturer Name..... MCDONALD PHOTO PRODUCTS, INC.
 Emergency Phone..... 214-243-6767

MSDS Preparer's Information

Date MSDS Prepared/Revised..... 01JAN87
 Date of Technical Review..... 15SEP86
 Active Indicator..... N

Alternate Vendors

Vendor #5 CAGE..... BCPMV

SECTION III - Physical/Chemical Characteristics

NPIC License Number..... N/A
 Propellant Weight (Ammo)..... N/A
 Boiling Point..... 170-298F
 Vapor Density..... > 1
 Specific Gravity..... 0.8582
 Evaporation Rate..... SLOWER THAN ETHER
 Percent Volatiles by Volume..... 95

SECTION IV - Fire and Explosion Hazard Data

Flash Point..... 23
 Flash Point Method..... N/P
 Extinguishing Media..... NFPA CLASS B EXTINGUISHERS-CO*2, DRY CHEMICAL/FOAM.
 Special Fire Fighting Procedures..... FULL PROT EQUIP, SCBA. USE H*2O TO COOL CLSD CNTNRS, PVNT PRESS
 Unusual Fire/Explosion Hazards..... KEEP CNTNR CLSD TIGHT. ISOLATE FROM IGNIT SOURCES. CLSD CNTNR MAY EXPLO IF EXP TO EXT (SEE OTHR PRECAUT

SECTION V - Reactivity Data

Stability..... YES
 Stability Conditions to Avoid..... HIGH TEMPERATURES.
 Materials to Avoid..... H*2O
 Hazardous Decomposition Products..... POSS HAZ FUMES IF HEAT TO DECOMP (WELD) -CO, OXIDES OF NITROGEN
 Hazardous Polymerization..... NO
 Polymerization Conditions to Avoid..... ELEVATED TEMPERATURES.

SECTION VI - Health Hazard Data

Route of Entry: Skin..... N/P
 Route of Entry: Ingestion..... N/P
 Route of Entry: Inhalation..... N/P
 Carcinogenity: NTP..... N/P
 Carcinogenity: IARC..... N/P
 Carcinogenity: OSHA..... N/P
 Symptoms of Overexposure..... INHAL:ANESTH,RESP TRACT IRRIT/ACUTE NERVOUS SYS DEPRESS-HDACH,DIZZY,STAGGER GAIT, (SEE SUPP DATA)
 Emergency/First Aid Procedures..... EYE:FLUSH IMMED W/LARGE AMT OF H*2O FOR @ LEAST 15 MIN.TAKE TO DR FOR MED ATTN.SKIN:WASH W/H*2O.REMOVE CONTAM CLTHG.CALL DR.INHAL:REMOVE FROM EXP.RESTORE BRTHG.KEEP WARM + QUIET.CALL DR.INGEST:DO NOTINDUCE VOMITING.CALL A DR IMMEDIATELY.

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled..... REMOVE ALL IGNITION SOURCES (FLAME,HOT SURFACE + ELECTRICAL,STATIC/FRICTIONAL SPARKS).AVOID BREATHING VAPORS.VENTILATE AREA.CONTAIN + REMOVE W/INERT ABSORBENT + NON-SPARKING TOOLS.
 Waste Disposal Method..... DISPOSE OF IAW LOCAL,STATE + FEDERAL REGULATIONS.DO NOT INCINERATE CLOSED CONTAINERS.INCINERATE IN APPROVED FACILITY.
 Handling and Storage Precautions..... DONT STORE ABOVE 120F.ISOLATE FROM IGNIT SOURCES.GROUND CNTNRS WHEN POUR;AVOID LIQ FREE FALL.USE W/ADEQ VENT,RESP PROT.WASH HANDS AFTER USING PRODUCT.
 Other Precautions..... EMPTY CNTNR KEEP RESIDUE,VAP.FOLLOW ALL HAZ PRECAUT UNTIL CNTNR CLEAN/DESTROYED.FIRE HAZ:HEAT.SPECIAL PRECAUT IF APPLY TO HOT SURF.NEVER USE WELD/CUT TORCH ON/NEAR DRUM(EVEN EMPTY),CAN EXPLODE

SECTION VIII - Control Measures

Respiratory Protection..... NIOSH/MSHA APPROVED RESP PROT DEPENDING ON CONDITION OF USE.
 Ventilation..... GENL DILUTION/LOCAL EXH;REMOVE HEAVY SLVT VAP FROM LOW LEVEL
 Protective Gloves..... PRLNG/RPTD CONT
 Eye Protection..... SFTY EYEWEAR W/SIDE SHLDS
 Other Protective Equipment..... PVNT PRLNG SKIN CONTACT W/CONTAM CLTHG.WASH CONTAM CLTHG.
 Supplemental Health/Safety Data..... OTHER INGRED: BUTYL ACETATE,TLV=150 PPM; ISOPROPYL ALCOHOL,TLV=400 PPM.OVEREXP EFT:CONFUSN,UNCONSCIOUS/COMA,EYE/SKIN:PRIMARY IRRIT.CHRONIC:EFTS NOT FULLY EXPLORED.RPTD HNDL/USE POSS OTHER HAZ.

SECTION IX - Label Data

Protect Eye..... NO
 Protect Skin..... NO
 Protect Respiratory..... NO
 Chronic Indicator..... NO
 Contact Code..... UNKNOWN
 Fire Code..... UNKNOWN
 Health Code..... UNKNOWN
 React Code..... UNKNOWN

SECTION X - Transportation Data

SECTION XI - Site Specific/Reporting Information

SECTION XII - Ingredients/Identity Information

Ingredient #..... 1
Ingredient Name..... METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)
CAS Number..... 78933
NIOSH Number..... EL6475000
Proprietary..... NO
 EL..... 200 PPM/300 STEL
A TLV..... 200 PPM/300STEL 9192
Ingredient #..... 2
Ingredient Name..... TOLUENE (SARA III)
CAS Number..... 108883
NIOSH Number..... XS5250000
Proprietary..... NO
OSHA PEL..... 200 PPM/150 STEL
ACGIH TLV..... 50 PPM; 9293
Ingredient #..... 3
Ingredient Name..... METHYL ISOBUTYL KETONE (SARA III)
CAS Number..... 108101
NIOSH Number..... SA9275000
Proprietary..... NO
OSHA PEL..... 100 PPM/75 STEL
ACGIH TLV..... 50 PPM/75 STEL; 9293
Ingredient #..... 4
Ingredient Name..... XYLENES (O-,M-,P- ISOMERS) (SARA III)
CAS Number..... 1330207
NIOSH Number..... ZE2100000
Proprietary..... NO
OSHA PEL..... 100 PPM/150 STEL
ACGIH TLV..... 100 PPM/150STEL;9192
Ingredient #..... 5
Ingredient Name..... METHYL ISOAMYL KETONE
CAS Number..... 110123
NIOSH Number..... MP3850000
Proprietary..... NO
 EL..... 100 PPM
ACGIH TLV..... 50 PPM; 9293

NOTICE: For additional information, contact BIO ENGR AT 7-7555

HMMS Intranet - 04 Mar 2002 16:00 - web_msd.display - Visit the Official HMMS Website at www.hmms.com

PURELL® Hand Sanitizer

Version 1.2 Revision Date: 03/19/2015 MSDS Number: 46955-00003 Date of last issue: 02/10/2015
Date of first issue: 01/13/2015

SECTION 1. IDENTIFICATION

Product name : PURELL® Hand Sanitizer

Manufacturer or supplier's details

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500
Akron OH 44311

Telephone : 1 (330) 255-6000

Emergency telephone : 1-800-424-9300 CHEMTREC

Recommended use of the chemical and restrictions on use

Recommended use : Hand Sanitizer

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Flammable liquids : Category 3

Eye irritation : Category 2A

GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.


PURELL® Hand Sanitizer

Version 1.2 Revision Date: 03/19/2015 MSDS Number: 46955-00003 Date of last issue: 02/10/2015
 Date of first issue: 01/13/2015

Precautionary Statements : **Prevention:**
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/ eye protection/ face protection.
Response:
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
Storage:
 P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
 P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

Vapors may form explosive mixture with air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
Ethanol	64-17-5	>= 50 - < 70
Propan-2-ol	67-63-0	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.
 When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If inhaled, remove to fresh air.
 Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution.
 Get medical attention if symptoms occur.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
 If easy to do, remove contact lens, if worn.

**PURELL® Hand Sanitizer**

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
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Get medical attention.

If swallowed : If swallowed, DO NOT induce vomiting.
Get medical attention if symptoms occur.
Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed : Causes serious eye irritation.

Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.

Notes to physician : Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray
Alcohol-resistant foam
Dry chemical
Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.
Flash back possible over considerable distance.
Vapors may form explosive mixtures with air.
Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Carbon oxides

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.
Use personal protective equipment.
Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions : Discharge into the environment must be avoided.



PURELL® Hand Sanitizer

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Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapors/mists with a water spray jet.
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use with local exhaust ventilation.
Use only in an area equipped with explosion proof exhaust ventilation.

Advice on safe handling : Do not breathe vapors or spray mist.
Do not swallow.
Do not get in eyes.
Avoid prolonged or repeated contact with skin.
Handle in accordance with good industrial hygiene and safety practice.
Non-sparking tools should be used.
Keep container tightly closed.
Keep away from heat and sources of ignition.
Take precautionary measures against static discharges.
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.
Keep tightly closed.
Keep in a cool, well-ventilated place.
Store in accordance with the particular national regulations.
Keep away from heat and sources of ignition.

Materials to avoid : Do not store with the following product types:
Strong oxidizing agents

PURELL® Hand Sanitizer

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 Date of first issue: 01/13/2015

Organic peroxides
 Flammable solids
 Pyrophoric liquids
 Pyrophoric solids
 Self-heating substances and mixtures
 Substances and mixtures which in contact with water emit flammable gases
 Explosives
 Gases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m ³	OSHA Z-1
		STEL	1,000 ppm	ACGIH
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m ³	NIOSH REL
		ST	500 ppm 1,225 mg/m ³	NIOSH REL
		TWA	400 ppm 980 mg/m ³	OSHA Z-1

Biological occupational exposure limits

Ingredients	CAS-No.	Control parameters	Biological specimen	Sam-pling time	Permissible concentration	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI

Engineering measures : Minimize workplace exposure concentrations.
 Use only in an area equipped with explosion proof exhaust ventilation.
 Use with local exhaust ventilation.

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and

**PURELL® Hand Sanitizer**

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Material : Impervious gloves

Material : Flame retardant gloves

Remarks

: Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection

: Wear the following personal protective equipment:
Safety goggles

Skin and body protection

: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.
Wear the following personal protective equipment:
Flame retardant antistatic protective clothing.
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures

: Ensure that eye flushing systems and safety showers are located close to the working place.
When using do not eat, drink or smoke.
Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: clear, Colorless to pale yellow
Odor	: citrus
Odor Threshold	: No data available
pH	: 6.0 - 9.2
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available

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Flash point	:	25 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Density	:	0.89 g/cm ³
Solubility(ies)		
Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	Not applicable
Autoignition temperature	:	No data available
Decomposition temperature	:	The substance or mixture is not classified self-reactive.
Viscosity		
Viscosity, kinematic	:	1,000 - 35,000 mm ² /s (20 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

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SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Ingredients:**Ethanol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l
Exposure time: 4 h
Test atmosphere: vapor

Propan-2-ol:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 72.6 mg/l
Exposure time: 4 h
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Result: No skin irritation

Ingredients:**Ethanol:**

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Propan-2-ol:

Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Ingredients:

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Ethanol:

Species: Rabbit
 Result: Irritation to eyes, reversing within 21 days
 Method: OECD Test Guideline 405

Propan-2-ol:

Species: Rabbit
 Result: Irritation to eyes, reversing within 21 days

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.
 Respiratory sensitization: Not classified based on available information.

Product:

Assessment: Does not cause skin sensitization.

Ingredients:**Ethanol:**

Test Type: Local lymph node assay (LLNA)
 Routes of exposure: Skin contact
 Species: Mouse
 Result: negative

Propan-2-ol:

Test Type: Buehler Test
 Routes of exposure: Skin contact
 Species: Guinea pig
 Method: OECD Test Guideline 406
 Result: negative

Germ cell mutagenicity

Not classified based on available information.

Ingredients:**Ethanol:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
 Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)
 Species: Mouse
 Application Route: Ingestion
 Result: negative

Propan-2-ol:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
 Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
 Species: Mouse
 Application Route: Intraperitoneal injection
 Result: negative


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Carcinogenicity

Not classified based on available information.

Ingredients:
Propan-2-ol:

Species: Rat

Application Route: inhalation (vapor)

Exposure time: 104 weeks

Method: OECD Test Guideline 451

Result: negative

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Ingredients:
Ethanol:

Effects on fertility

: Test Type: Two-generation reproduction toxicity study
Species: Mouse
Application Route: Ingestion
Method: OECD Test Guideline 416
Result: negative

Propan-2-ol:

Effects on fertility

: Test Type: Two-generation reproduction toxicity study
Species: Rat
Application Route: Ingestion
Result: negative

Effects on fetal development

: Test Type: Embryo-fetal development
Species: Rat
Application Route: Ingestion
Result: negative

STOT-single exposure

Not classified based on available information.

Ingredients:
Propan-2-ol:

Assessment: May cause drowsiness or dizziness.

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STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity**Ingredients:****Ethanol:**

Species: Rat
 NOAEL: 2,400 mg/kg
 Application Route: Ingestion
 Exposure time: 2 y

Propan-2-ol:

Species: Rat
 NOAEL: 5000 ppm
 Application Route: inhalation (vapor)
 Exposure time: 104 w
 Method: OECD Test Guideline 413

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Ingredients:****Ethanol:**

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 9.6 mg/l Exposure time: 9 d
Toxicity to bacteria	: EC50 (Photobacterium phosphoreum): 32.1 mg/l Exposure time: 0.25 h

Propan-2-ol:

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 24 h
Toxicity to algae	: ErC50 (Scenedesmus quadricauda (Green algae)): > 1,800 mg/l

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Exposure time: 8 d

Toxicity to bacteria : EC50 (*Pseudomonas putida*): > 1,050 mg/l
Exposure time: 16 h

Persistence and degradability**Ingredients:****Ethanol:**

Biodegradability : Result: Readily biodegradable.
Biodegradation: 84 %
Exposure time: 20 d

Propan-2-ol:

Biodegradability : Result: rapidly degradable

Bioaccumulative potential**Ingredients:****Ethanol:**

Partition coefficient: n-octanol/water : log Pow: -0.35

Propan-2-ol:

Partition coefficient: n-octanol/water : log Pow: 0.05

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION**International Regulation****UNRTDG**

UN number : UN 1987
Proper shipping name : ALCOHOLS, N.O.S.


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(Ethanol, Propan-2-ol)

Class : 3
 Packing group : III
 Labels : 3

IATA-DGR

UN/ID No. : UN 1987
 Proper shipping name : Alcohols, n.o.s.
 (Ethanol, Propan-2-ol)

Class : 3
 Packing group : III
 Labels : Flammable Liquids
 Packing instruction (cargo aircraft) : 366
 Packing instruction (passenger aircraft) : 355

IMDG-Code

UN number : UN 1987
 Proper shipping name : ALCOHOLS, N.O.S.
 (Ethanol, Propan-2-ol)

Class : 3
 Packing group : III
 Labels : 3
 EmS Code : F-E, S-D
 Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation
49 CFR

UN/ID/NA number : UN 1987
 Proper shipping name : ALCOHOLS, N.O.S.

Class : 3
 Packing group : III
 Labels : FLAMMABLE LIQUID
 ERG Code : 127
 Marine pollutant : no

SECTION 15. REGULATORY INFORMATION
EPCRA - Emergency Planning and Community Right-to-Know
CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard


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Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Propan-2-ol	67-63-0	3.013 %
-------------	---------	---------

US State Regulations
Pennsylvania Right To Know

Ethanol	64-17-5	50 - 70 %
Water	7732-18-5	30 - 50 %
Propan-2-ol	67-63-0	1 - 5 %

New Jersey Right To Know

Ethanol	64-17-5	50 - 70 %
Water	7732-18-5	30 - 50 %
Propan-2-ol	67-63-0	1 - 5 %

California Prop 65 This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

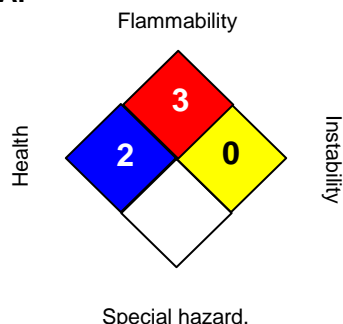
AICS : All ingredients listed or exempt.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

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SECTION 16. OTHER INFORMATION
Further information
NFPA:

HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	: ACGIH - Biological Exposure Indices (BEI)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA Z-1	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
NIOSH REL / TWA	: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA	: 8-hour time weighted average
Sources of key data used to compile the Material Safety Data Sheet	: Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/
Revision Date	: 03/19/2015

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8

MATERIAL SAFETY
DATA SHEET

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DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION

TRADE NAME:

SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)

ID NUMBER/U.P.C.: CS-0406-1344-3 - - - CS-0406-6934-6 - - -
62-6092-3725-0 00-51135-06092-6 62-6094-4825-3 00-51135-06094-0

ISSUED: NOVEMBER 25, 1997
SUPERSEDES: AUGUST 23, 1996
DOCUMENT: 10-4798-4

1. INGREDIENT	C.A.S. NO.	PERCENT		
PROPANE	74-98-6	20.0	-	30.0
N-HEXANE	110-54-3	20.0	-	30.0
HEXANE (OTHER ISOMERS)	None	10.0	-	20.0
NONVOLATILE COMPONENTS - N.J. TRADE SECRET (T.S.) REGISTRY NO. 04499600-5478P ++	TradeSecret	10.0	-	20.0
ACETONE	67-64-1	7.0	-	13.0
NAPHTHOL SPIRITS	64742-48-9	5.0	-	10.0

NOTE: ++ synthetic polymers, resins, synthetic rubber, antioxidant, u.v. absorber, adhesion promoter and fillers. Not hazardous according to Canadian WHMIS criteria. Non-WHMIS controlled.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:
N-HEXANE

2. PHYSICAL DATA

BOILING POINT:..... Compressed gas
VAPOR PRESSURE:..... Compressed gas
VAPOR DENSITY: 2.97 Air = 1
EVAPORATION RATE:..... 1.90 Ether = 1
SOLUBILITY IN WATER: Nil
SP. GRAVITY:..... N/A
PERCENT VOLATILE: ca. 86 % by wt
pH: N/A
VISCOSITY: N/A
MELTING POINT..... N/D
APPEARANCE AND ODOR: thin liquid in aerosol container, light cream, characteristic solvent odor

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MATERIAL SAFETY
DATA SHEETMSDS: SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)
NOVEMBER 25, 1997

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3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F
 FLAMMABLE LIMITS - LEL: 2.60 % by vol
 FLAMMABLE LIMITS - UEL: 12.80 % by vol
 AUTOIGNITION TEMPERATURE: ... N/D

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 4 REACTIVITY: 1

UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Heat.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Aldehydes, Ketones, Hydrocarbons.

5. ENVIRONMENTAL INFORMATION**SPILL RESPONSE:**

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate area. Extinguish all ignition sources. Cover with absorbent material. Collect using non-sparking tools. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill. Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 86 % (600 g/l) SCAQMD Rule 443.1, calculated.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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5. ENVIRONMENTAL INFORMATION (continued)

VOC Less H₂O & Exempt Solvents: ca. 86 % (600 g/l) SCAQMD Rule 443.1, calculated.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes **PRESSURE:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact with vapor, spray, or mist. Wear vented goggles. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: polyethylene/ethylene vinyl alcohol, polytetrafluoroethylene (Teflon).

VENTILATION PROTECTION:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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7. PRECAUTIONARY INFORMATION (continued)

RECOMMENDED STORAGE:

Store at temperatures below 120 degrees F (49 degrees C). Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame, and other sources of ignition. Extremely flammable liquid and vapor. Do not pierce or burn container, even after use. Avoid static discharge.

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
PROPANE	1000	ppm	TWA OSHA	
PROPANE	NONE	NONE	NONE ACGIH	
	Simple asphyxiant			
N-HEXANE	50	ppm	TWA ACGIH	
N-HEXANE	50	ppm	TWA OSHA	
HEXANE (OTHER ISOMERS)	NONE	NONE	NONE NONE	
NONVOLATILE COMPONENTS - N.J. TRADE SECRET (T.S.) REGISTRY NO. 04499600-5478P ++				
ACETONE	750	ppm	TWA ACGIH	
ACETONE	1000	ppm	STEL ACGIH	
ACETONE	750	ppm	TWA OSHA	
ACETONE	1000	ppm	STEL OSHA	
NAPHTHOL SPIRITS	100	ppm	TWA 3M	
NAPHTHOL SPIRITS	300	ppm	TWA CMRG	

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- 3M: 3M Medical Department Guideline
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact):

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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8. HEALTH HAZARD DATA (continued)

signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin in harmful amounts.

INHALATION:

Intentional concentration and inhalation may be harmful or fatal.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Peripheral Neuropathy: signs/symptoms can include tingling of extremities, incoordination, numbness, weakness and tremors.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

SECTION CHANGE DATES

ENVIRON. DATA	SECTION CHANGED SINCE	AUGUST 23, 1996 ISSUE
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DATA SHEET

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NOVEMBER 25, 1997

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SECTION CHANGE DATES

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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MATERIAL SAFETY DATA SHEET: SIMPLE GREEN®

also for : SIMPLE GREEN® SCRUBBING PAD

I. PRODUCT & COMPANY INFORMATION

Version No. 10012
Issue Date: January 2006

PRODUCT NAME: SIMPLE GREEN® ALL-PURPOSE CLEANER Page 1 of 4
SIMPLE GREEN® CONCENTRATED CLEANER / DEGREASER / DEODORIZER
SIMPLE GREEN® SCRUBBING PAD

COMPANY NAME: SUNSHINE MAKERS, INC.
15922 Pacific Coast Highway
Huntington Harbour, CA 92649 USA
Telephone: 800-228-0709 • 562-795-6000
Fax: 562-592-3034
Website: www.simplegreen.com

For 24-hour emergency, call Chem-Tel, Inc.: 800-255-3924

USE OF PRODUCT: An all purpose cleaner and degreaser used diluted in water for direct, spray, and dip tank procedures. (Scrubbing pad is used with water for manual scrubbing applications.)

II. INGREDIENT INFORMATION

The only ingredient of Simple Green® with established exposure limits is undiluted 2-butoxyethanol (<6%) (Butyl Cellosolve; CAS No. 111-76-2): the ACGIH TLV-TWA is 20 ppm (97 mg/m³).

Based upon chemical analysis, Simple Green® contains no known EPA priority pollutants, heavy metals, or chemicals listed under RCRA, CERCLA, or CWA. Analysis by TCLP (Toxicity Characteristic Leaching Procedure) according to RCRA revealed no toxic organic or inorganic constituents.

All components of Simple Green® are listed on the TSCA Chemical Substance Inventory.

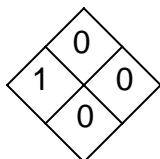
III. HAZARDS IDENTIFICATION

UN Number: Not required
Dangerous Goods Class: Nonhazardous

NJ TRADE SECRET REGISTRATION NUMBERS	
80100235-5000p	80100235-5005p
80100235-5001p	80100235-5006p
80100235-5002p	80100235-5007p
80100235-5003p	80100235-5008p
80100235-5004p	80100235-5009p

Hazard Rating (NFPA/HMIS)

Health = 1* Reactivity = 0
Fire = 0 Special = 0



Rating Scale

0 = minimal 1 = slight
2 = moderate 3 = serious
4 = severe

*Mild eye irritant, non-mutagenic and non-carcinogenic. **None of the ingredients in Simple Green® are regulated or listed as cancer agents by Federal OSHA, NTP, or IARC.**

IV. FIRST AID MEASURES

SYMPTOMS OF OVEREXPOSURE AND FIRST AID TREATMENT

- Eye contact:** Reddening may develop. Immediately rinse the eye with large quantities of cool water; continue 10-15 minutes or until the material has been removed; be sure to remove contact lenses, if present, and to lift upper and lower lids during rinsing. Get medical attention if irritation persists.
- Skin contact:** Minimal effects, if any; rinse skin with water, rinse shoes and launder clothing before reuse. Reversible reddening may occur in some dermal-sensitive users; thoroughly rinse area and get medical attention if reaction persists.
- Swallowing:** Essentially non-toxic. Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.
- Inhalation:** Non-toxic. Exposures to concentrate-mist may cause mild irritation of nasal passages or throat; remove to fresh air. Get medical attention if irritation persists.
-

V. FIRE FIGHTING MEASURES

Simple Green® is stable, not flammable, and will not burn.

- | | |
|-----------------------------------|---|
| Flash Point/Auto-Ignition: | Not flammable. |
| Flammability Limits: | Not flammable. |
| Extinguishing Media: | Not flammable/nonexplosive. No special procedures required. |
| Special Fire Fighting Procedures: | None required. |
-

VI. ACCIDENTAL RELEASE MEASURES

Recover usable material by convenient method; residual may be removed by wipe or wet mop. If necessary, unrecoverable material may be washed to drain with large quantities of water.

VII. HANDLING, STORAGE & TRANSPORT INFORMATION

No special precautions are required. **This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations.** Simple Green® requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

UN Number: Not required

Dangerous Goods Class: Non-hazardous

VIII. EXPOSURE CONTROLS

Exposure Limits: The Simple Green® formulation presents no health hazards to the user when used according to label directions for its intended purposes. Mild skin and eye irritation is possible (please see Eye contact and Skin contact in Section IV.).

Ventilation: No special ventilation is required during use.

Human Health Effects or Risks from Exposure: Adverse effects on human health are not expected from Simple Green®, based upon twenty years of use without reported adverse health incidence in diverse population groups, including extensive use by inmates of U.S. Federal prisons in cleaning operations.

Simple Green® is a mild eye irritant; mucous membranes may become irritated by concentrate-mist.

Simple Green® is not likely to irritate the skin in the majority of users. Repeated daily application to the skin without rinsing, or continuous contact of Simple Green® on the skin may lead to temporary, but reversible, irritation.

Medical Conditions Aggravated by Exposure: No aggravation of existing medical conditions is expected; dermal sensitive users may react to dermal contact by Simple Green®.

IX. PERSONAL PROTECTION

Precautionary Measures:	No special requirements under normal use conditions.
Eye Protection:	Caution, including reasonable eye protection, should always be used to avoid eye contact where splashing may occur.
Skin Protection:	No special precautions required; rinse completely from skin after contact.
Respiratory Protection:	No special precautions required.
Work and Hygienic Practices:	No special requirements. Wash or rinse hands before touching eyes or contact lenses.

X. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/odor:	Translucent green liquid with characteristic sassafras odor. (Scrubber is green fibrous rectangle.)		
Specific Gravity:	1.0257	Vapor Pressure:	17 mm Hg @ 20 °C; 22 mm Hg @ 25 °C
pH of concentrate:	9.5	Vapor Density:	1.3 (air = 1)
Evaporation:	>1 (butyl acetate = 1)	Density:	8.5 lbs./gallon
Boiling Point:	110 °C (231 °F)		
Freezing Point:	-9 °C (16 °F) If product freezes, it will reconstitute without loss of efficacy when brought back to room temperature and agitated.		
VOC Composite Partial Pressure:	0.006 mm Hg @ 20 °C		
Volatile Organic Compounds (VOCs):	7.96 g/L per ASTM Method 3960-90. Per EPA Method 24, VOCs are 5.9% and product must be diluted at least 1 part of water to 1 part Simple Green® in order to meet CARB 2005 VOC regulations -or 1 part Simple Green to 3 parts water to meet SCAQMD Rule 1171 & Rule 1122 and BAAQMD Regulation 8-16 VOC requirements for solvent cleaning operations.		
Water Solubility:	Completely soluble in water. The higher salt concentrations in marine ecosystems will lead to complexes with Simple Green® that may become visible at ratios above one part Simple Green® to 99 parts seawater.		
Ash Content:	At 600 °F: 1.86% by weight.		
Nutrient Content:	Nitrogen: <1.0% by weight (fusion and qualitative test for ammonia). Phosphorus: 0.3% by formula. Sulfur: 0.6% by weight (barium chloride precipitation method).		
Detection:	Simple Green® has a characteristic sassafras odor that is not indicative of any hazardous situation.		

XI. STABILITY AND REACTIVITY INFORMATION

Nonreactive. Simple Green® is stable, even under fire conditions, and will not react with water or oxidizers. Hazardous polymerization will not occur.

XII. TOXICOLOGICAL INFORMATION

Nonhuman Toxicity

Acute Mortality Studies:

Oral LD₅₀ (rat): >5.0 g/kg body weight // Dermal LD₅₀ (rabbit): >2.0 g/kg body weight

Dermal Irritation: Only mild, but reversible, irritation was found in a standard 72-hr test on rabbits. A value of 0.2 (non-irritating) was found on a scale of 8.

Eye Irritation: With or without rinsing with water, the irritation scores in rabbits at 24 hours did not exceed 15 (mild irritant) on a scale of 110.

Subchronic dermal effects: No adverse effects, except reversible dermal irritation, were found in rabbits exposed to Simple Green® (up to 2.0 g/kg/day for 13 weeks) applied to the skin of 25 males and 25 females. Only female body weight gain was affected. Detailed microscopic examination of all major tissues showed no adverse changes.

Fertility Assessment by Continuous Breeding: The Simple Green® formulation had no adverse effect on fertility and reproduction in CD-1 mice with continuous administration for 18 weeks, and had no adverse effect on the reproductive performance of their offspring.

XIII. BIODEGRADABILITY AND ENVIRONMENTAL TOXICITY INFORMATION

Biodegradability:

Simple Green® is readily decomposed by naturally occurring microorganisms. The biological oxygen demand (BOD), as a percentage of the chemical oxygen demand (COD), after 4, 7, and 11 days was 56%, 60%, and 70%, respectively. Per OECD Closed Bottle Test, Simple Green® meets OECD and EPA recommendations for ready biodegradability. In a standard biodegradation test with soils from three different countries, Butyl Cellosolve reached 50% degradation in 6 to 23 days, depending upon soil type, and exceeded the rate of degradation for glucose which was used as a control for comparison.

Environmental Toxicity Information:

Simple Green® is considered practically non-toxic per EPA's aquatic toxicity scale. Simple Green® is non-lethal to any of the marine and estuarine test animals listed in the following table at concentrations below 200 mg/L (0.02%). This table shows the Simple Green® concentrations that are likely to be lethal to 50% of the exposed organisms.

	<u>LC₅₀ in mg/L (ppm)</u>	
	<u>48-hour</u>	<u>96-hour</u>
<u>Marine Fish:</u>		
Mud minnow (<i>Fundulus heteroclitus</i>)	1690	1574
Whitebait (<i>Galaxias maculatus</i>)	210	210
<u>Marine/Estuarine Invertebrates:</u>		
Brine Shrimp (<i>Artemia salina</i>)	610	399
Grass Shrimp (<i>Palaemonetes pugio</i>)	270	220
Green-lipped Mussel (<i>Perna canaliculus</i>)	220	220
Mud Snail (<i>Potamopyrgus estuarinus</i>)	410	350

XIV. DISPOSAL CONSIDERATIONS

Simple Green® is fully water soluble and biodegradable and will not harm sewage-treatment microorganisms if disposal by sewer or drain is necessary. Dispose of in accordance with all applicable local, state, and federal laws.

XV. OTHER INFORMATION

Containers: Simple Green® residues can be completely removed by rinsing with water; the container may be recycled or applied to other uses.

Electrical Wiring Compatibility: Polyimide insulated wiring is not affected by exposure to Simple Green®. After immersion in Simple Green® for 14 days at 74°F, the 61 cm piece of polyamide insulated wire passed a one minute dielectric proof test at 2500 volts (ASTM D-149).

Contact Point: Sunshine Makers, Inc., Research and Development Division: 562-795-6000.

National Stock Numbers:

PART#	NSN	SIZE	PART#	NSN	SIZE
13012	7930-01-342-5315	24 oz. spray (12/cs)	13016	7930-01-342-5317	15 gal.
13005	7930-01-306-8369	1 gal. (6/cs)	13008	7930-01-342-4145	55 gal.
13006	7930-01-342-5316	5 gal.	Scrubbing Pad: 10224	7930-01-346-9148	Each (24/cs)

*** NOTICE ***

All information appearing herein is based upon data obtained by the manufacturer & recognized technical sources. Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of this information, Sunshine Makers, Inc. or its distributors extends no warranties, makes no representations and assumes no responsibility as to the suitability of such information for application to purchaser's intended purposes or for consequences of its use.

SAFETY DATA SHEET

Issuing Date 25-Apr-2014

Revision Date 25-Apr-2014

Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier 20122, 20345, 20967, 20500, 20338, 20515, 20555, 20700

Product Name "Sparkle" Glass Cleaner

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Window/surface cleaner

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

A.J. Funk and Co
1471 Timber Drive, Elgin, Illinois, 60123
US
Phone:8477416760
Fax:8477416767
Contact:
Contact Phone:8477416760
Emergency Phone: 8772253865

Emergency telephone number

Company Emergency Phone Number 8772253865

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

GHS Label elements, including precautionary statements

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Purple

Physical State Liquid

Odor Pleasant

Precautionary Statements - Prevention

Obtain special instructions before use

Precautionary Statements - Response

None

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

- Not Applicable

Unknown Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

Other information

May cause slight eye irritation
Prolonged or repeated contact may dry skin and cause irritation.

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
2-Butoxyethanol	111-76-2	5 - 10	*

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Protection of First-aiders	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination

Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No

Sensitivity to Static Discharge No

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes.

Environmental precautions

Environmental Precautions Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH Immediately Dangerous to Life or Health.

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special protective equipment required.

Skin and Body Protection No special protective equipment required.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid	Odor	Pleasant
Appearance	Purple		

Color	No information available	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>	
pH	7	None known	
Melting/freezing point	No data available	None known	
Boiling point / boiling range	171 °C / 340 °F	None known	
Flash Point	No data available	None known	
Evaporation rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limits in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Specific Gravity	No data available	None known	
Water Solubility	Completely soluble	None known	
Solubility in other solvents	No data available	None known	
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Explosive Properties	No data available		
Oxidizing Properties	No data available		

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye Contact	May cause irritation.
Skin Contact	Prolonged or repeated contact may dry skin and cause irritation.
Ingestion	Not an expected route of exposure Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 220 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3		

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive Toxicity No information available

STOT - single exposure No information available.

STOT - repeated exposure No information available.
Chronic Toxicity No known effect based on information supplied.
Target Organ Effects Eyes. Respiratory system. Skin.

Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
5,222.00 mg/kg

ATEmix (dermal)
 12,222.00 mg/kg (ATE)
ATEmix (inhalation-dust/mist)
 16.70 mg/L
ATEmix (inhalation-vapor)
 122.00 ATEmix

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Log Pow
2-Butoxyethanol 111-76-2	0.81

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated Packaging

Dispose of in accordance with local regulations.

California Hazardous Waste Codes 561

14. TRANSPORT INFORMATION

DOT NOT REGULATED

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO	Not regulated
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	111-76-2	5 - 10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
2-Butoxyethanol 111-76-2	X	X	X	X	X

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
2-Butoxyethanol 111-76-2 (5 - 10)		Mexico: TWA 26 ppm Mexico: TWA 120 mg/m ³ Mexico: STEL 75 ppm Mexico: STEL 360 mg/m ³

Mexico - Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

NFPA	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal Protection X

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Revision Date 25-Apr-2014

Revision Note No information available

General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet

◆ MATERIAL SAFETY DATA SHEET ◆

SECTION I

MANUFACTURER'S NAME: W.J. Hagerty & Sons, Ltd., Inc.	EMERGENCY TELEPHONE NUMBER: (800) 348.5162
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE): 3801 West Linden Avenue South Bend, Indiana 46619	TELEPHONE NUMBER FOR INFORMATION: (800) 348.5162 (574) 288.4991 Indiana Residents
PRODUCT NAME: Yermax Furniture Polish	PRODUCT NUMBER: 50000
CHEMICAL NATURE: Compounded Cleaner	DATE PREPARED: July 2004

SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS: (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	OSHA PEL	ACGIH TLV
Turpentine	N/A	100 ppm
Refined Wax	N/A	N/A

*Other ingredients that may be hazardous constitute 1.0% or less

SECTION III PHYSICAL DATA

Boiling Point	<i>N/A</i>	Specific Gravity (H ₂ O = 1)	<i>0.91</i>
Vapor Pressure (mm Hg.)	<i>N/A</i>	Percent Volatile, By Volume %	<i>5%</i>
Vapor Density (Air = 1)	<i>N/A</i>	Evaporation Rate (Butyl Acetate = 1)	<i>N/A</i>
Solubility in Water	<i>N/A</i>	Melting Point	<i>N/A</i>
Appearance and Odor:	<i>Yellow liquid - sweet turpentine odor</i>		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Flammable Limits:	LEL.:	UEL.:
<i>80 degrees</i>		<i>N/A</i>	<i>N/A</i>
Extinguishing Media:	<i>Dry chemical, carbon dioxide, water fog or alcoholic foam.</i>		
Special Fire Fighting Procedures:	<i>None</i>		
Unusual Fire and Explosion Hazards:	<i>None</i>		

SECTION V HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION:

SKIN: *Skin contact would be the most likely mode of exposure under normal usage.*

INGESTION:

HEALTH HAZARDS:
(ACUTE AND CHRONIC) *Skin irritation may occur in sensitive individuals if prolonged exposure occurs.*

CARCINOGENICITY:

NTP? *N/A*

IARC MONOGRAPHS? *N/A*

OSHA REGULATED? *Not regulated by OSHA.*

SIGNS AND SYMPTOMS OF EXPOSURE: *Skin irritation may occur*

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: *None known*

EMERGENCY AND FIRST AID PROCEDURES:

FOR EYE CONTACT: *Wash with water for 15 minutes and seek medical attention.*

IF ACCIDENTALLY INGESTED: *Induce vomiting and seek immediate medical attention.*

SECTION VI PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: *Return to container and wash down contaminated area with detergent solution.*

WASTE DISPOSAL METHOD: *Because of container size, an individual container would not be regulated as a hazardous material, pursuant to EPA regulations.*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: *Store away from excessive heat and moisture.*

OTHER PRECAUTIONS: *None*

SECTION VII REACTIVITY DATA

STABILITY

Unstable

Stable

X

Conditions to Avoid:

INCOMPATIBILITY (MATERIALS TO AVOID): *Strong oxidizing agents*

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: *None*

HAZARDOUS
POLYMERIZATION

May Occur

Will Not Occur

X

Conditions to Avoid:

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION: *None*
(SPECIFY TYPE)

VENTILATION

Local Exhaust

None

Special:

Mechanical (General)

None

Other:

PROTECTIVE GLOVES *--Impervious gloves if desired.*

EYE PROTECTION *-- None*

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: *None*

WORK/HYGIENIC PRACTICES: *None*



Safety Data Sheet

1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company Address: 9715 Business Park Ave San Diego, CA , USA Post code: 92131 Telephone: +1-800-448-9340 +1-858-251-5600 24 Hour Emergency Phone Number: 1-888-324-7596 (PROSAR) Chemical Spills: 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)	Chemical Name: Organic Mixture Trade Name: WD-40 Aerosol Product Use: Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion SDS Date Of Preparation: 12/28/17
---	--

2 – Hazards Identification

GHS Classification:

Flammable Aerosol Category 1

Aspiration Toxicity Category 1

Skin Irritation Category 3

Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)



DANGER!

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

H304 May be fatal if swallowed and enters airways.

H316 Causes mild skin irritation.

H336 May cause drowsiness or dizziness.

Prevention

P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing mist or vapors.

P271 Use only outdoors or in a well-ventilated area.

Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 Do NOT induce vomiting.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER or doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical attention.

Storage

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501 Dispose of contents and container in accordance with local and national regulations.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	GHS Classification
Aliphatic Hydrocarbon	64742-47-8	50-70%	Flammable Liquid Category 3 Aspiration Toxicity Category 1 Skin Irritation Category 3 Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)
Petroleum Base Oil	64742-56-9 64742-65-0 64742-53-6 64742-54-7 64742-71-8	<25%	Not Hazardous
Non-Hazardous Ingredients	Mixture	<10%	Not Hazardous
Carbon Dioxide	124-38-9	2-3%	Gas Under Pressure: Compressed Gas

4 – First Aid Measures

Ingestion (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.

Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.

Skin Contact: Wash with soap and water. If irritation develops and persists, get medical attention.

Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

Most Important Symptoms (acute and delayed): Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. Prolonged skin contact may cause drying of the skin. Inhalation of mists or vapors may cause nasal and respiratory tract irritation and central nervous system effects such as headache, dizziness and nausea.

Indication of Immediate Medical Attention or Special Treatment: Immediate medical attention is required for ingestion.

5 – Fire Fighting Measures

Extinguishing Media: Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.

Unusual Fire and Explosion Hazards: Contents under pressure. Extremely flammable aerosol. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors can cause a flash fire. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. A vapor and air mixture can create an explosion hazard in confined spaces.

6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Eliminate all sources of ignition and ventilate area. Wear appropriate protective clothing (see Section 8).

Environmental Precautions: Report spills to authorities as required.

Methods and Materials for Containment/Cleanup: Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces

and open flames. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.

Conditions for Safe Storage, including any incompatibilities: Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C (NFPA 30B) Level 3 Aerosol. Store away from oxidizers.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Aliphatic Hydrocarbon	1200 mg/m ³ TWA (manufacturer recommended)
Petroleum Base Oil	5 mg/m ³ TWA (inhalable) ACGIH TLV (as mineral oil) 5 mg/m ³ TWA OSHA PEL (as oil mist, mineral)
Non-Hazardous Ingredients	None Established
Carbon Dioxide	5000 ppm TWA, 30,000 ppm STEL ACGIH TLV 5000 ppm TWA OSHA PEL

The Following Controls are Recommended for Normal Consumer Use of this Product

Engineering Controls: Use in a well-ventilated area.

Personal Protection:

Eye Protection: Avoid eye contact. Always spray away from your face.

Skin Protection: Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.

Respiratory Protection: None needed for normal use with adequate ventilation.

For Bulk Processing or Workplace Use the Following Controls are Recommended

Engineering Controls: Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

Personal Protection:

Eye Protection: Safety goggles recommended where eye contact is possible.

Skin Protection: Wear chemical resistant gloves.

Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Work/Hygiene Practices: Wash with soap and water after handling.

9 – Physical and Chemical Properties

Appearance:	Light amber liquid	Flammable Limits:	LEL: 0.7% UEL: 5.6% (Aliphatic Hydrocarbon)
Odor:	Mild petroleum odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Greater than 1 (air=1)
pH:	Not established	Relative Density:	Not established
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	320-388°F (160-198°C) (Aliphatic Hydrocarbon)	Partition Coefficient; n- octanol/water:	Not established
Flash Point:	109°F (43°C) (Aliphatic Hydrocarbon)	Autoignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Flammable Aerosol	Viscosity:	Not established
VOC:	533 grams/liter (65%)	Pour Point:	Not established

10 – Stability and Reactivity

Reactivity: Non-reactive

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide, smoke fumes, unburned hydrocarbons.

11 – Toxicological Information

Symptoms of Overexposure:

Inhalation: Mist or vapors can irritate the throat and lungs. High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

Skin Contact: Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.

Eye Contact: Contact may be irritating to eyes. May cause redness, stinging, swelling and tearing.

Ingestion: This product has low oral toxicity. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

Chronic Effects: None expected.

Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

Suspected Cancer Agent:

Yes No X

Numerical Measures of Toxicity:

Acute Toxicity Estimates: Oral > 5,000 mg/kg; Dermal >2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.

12 – Ecological Information

Ecotoxicity: No specific aquatic toxicity data is currently available; however components of this product are not expected to be harmful to aquatic organisms

Persistence and Degradability: Components are expected to be readily biodegradable.

Bioaccumulative Potential: Bioaccumulation is not expected based on an assessment of the ingredients.

Mobility in Soil: No data available.

Other Adverse Effects: None Known

13 - Disposal Considerations

Aerosol containers should not be punctured, compacted in home trash compactors or incinerated. Empty containers may be disposed of through normal waste management options. Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, state and local regulations.

14 – Transportation Information

DOT Surface Shipping Description: UN1950, Aerosols, 2.1 Ltd. Qty

(Note: Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark)

IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY

ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1

NOTE: WD-40 Company does not test aerosol cans to assure that they meet the pressure and other requirements for transport by air. We do not recommend that our aerosol products be transported by air.

15 – Regulatory Information

U.S. Federal Regulations:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: See OSHA Hazard Classification in Section 2.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

International Information:

China Regulations on the Control over Safety of Dangerous Chemicals: All ingredients in this product are listed on the IECSC (Inventory of Existing Chemical Substances in China 2010).

Korea: All of the components of this product are listed on the Korean chemical inventory.

Philippines: This product contains an ingredient that is not listed on the PICCS. Only limited volumes can be imported. Contact WD40 for more information.

Japan: All of the components of this product are listed on the Japanese chemical inventory.

Taiwan: All the components of this product are listed on the Taiwan Inventory.

16 – Other Information

HMIS Hazard Rating:

Health – 2 (moderate hazard), Fire Hazard – 4 (severe hazard), Physical Hazard – 0 (minimal hazard)

Revision Date: December 2017

Supersedes: November 2015

Prepared by: Industrial Health & Safety Consultants, Inc. Shelton, CT, USA

2021300/No.



View MSDS : [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)
SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Wet Look Sealer**
MSDS Manufacturer Number: 985
Manufacturer Name: BEHR Process Corporation
Address: 3400 W. Segerstrom Avenue
 Santa Ana, CA 92704

General Phone Number: (714) 545-7101
General Fax Number: (714) 241-1002
Customer Service Phone
Number: (800) 854-0133 ext. 2

CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)
MSDS Creation Date: 01/30/2007
MSDS Revision Date: 09/08/2008

NFPA

1
 1 0
 NA

HMIS

Health Hazard	1
Fire Hazard	1
REACTIVITY	0
Personal Protection	

* **Chronic Health Effects:**

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate	25265-77-4	1 - 5 by weight
Non hazardous ingredient(s)	No data	60 - 100 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Irritant.
Potential Health Effects:
 Eye: May cause irritation.
 Skin: May cause irritation.
 Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.
 Ingestion: May be harmful if swallowed. May cause vomiting.
Chronic Health Effects: Prolonged or repeated contact may cause skin irritation.
Signs/Symptoms: Overexposure may cause headaches and dizziness.
Target Organs: Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing
Conditions: None generally recognized.

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical

	attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	No Data
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Ratings:

NFPA Flammability:	1
NFPA Health:	1
NFPA Reactivity:	0
NFPA Other:	NA

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing. Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EXPOSURE GUIDELINES

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Flash Point:	No Data
Boiling Point:	No Data
Melting Point:	No Data
Density:	8 - 10 Lbs./gal.
Vapor Density:	Greater than 1 (Air = 1).
Vapor Pressure:	Greater than 1 (Air = 1).
pH:	No Data
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	No Data
VOC Content:	Material VOC: 32 gm/l (Includes Water) Coating VOC.: 96 gm/l (Excludes Water)

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.
Special Decomposition Products:	Incomplete combustion may produce carbon monoxide and other toxic gases.

SECTION 11 - TOXICOLOGICAL INFORMATION

2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate :

RTECS Number:	UF6000000
Ingestion:	Ingestion - Rat LD50: 3200 mg/kg - Details of toxic effects not reported other than lethal dose value. Ingestion - Mouse LD50: 3200 mg/kg - [Details of toxic effects not reported other than lethal dose value.. (RTECS)]

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 - TRANSPORT INFORMATION

DOT UN Number: No Data
DOT Hazard Class: No Data

SECTION 15 - REGULATORY INFORMATION

2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate :

TSCA Inventory Status: Listed
Canada DSL: Listed

SECTION 16 - ADDITIONAL INFORMATION

HMIS Fire Hazard: 1
HMIS Health Hazard: 1
HMIS Reactivity: 0
HMIS Other: x
MSDS Creation Date: 01/30/2007
MSDS Revision Date: 09/08/2008
MSDS Revision Notes: Quarterly formula update
MSDS Author: Actio Corporation

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

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Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



WINDEX® ORIGINAL GLASS CLEANER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000014153

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : WINDEX® ORIGINAL GLASS CLEANER

Recommended use : Hard Surface Cleaner

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson and Son, Limited
1 Webster Street
Brantford ON N3T 5R1

Telephone : +1-800-558-5566

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647
24 Hour Canadian Transport Emergency Phone (CANUTEC)
(613) 996-6666

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to the Canadian Hazardous Products Regulation

Labelling

Precautionary statements

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain hazardous chemicals at or above a reportable level as defined by Canadian Hazardous Products Regulation

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For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

Description of first aid measures

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

Most important symptoms and effects, both acute and delayed

- Eyes** : No adverse effects expected when used as directed.
- Skin effect** : No adverse effects expected when used as directed.
- Inhalation** : No adverse effects expected when used as directed.
- Ingestion** : No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.

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Further information : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wash thoroughly after handling.

Environmental precautions : Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up : Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep container closed when not in use.

Other data : Stable under normal conditions.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : No special requirements.

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : blue

Odour : floral

Odour Threshold : Test not applicable for this product type

pH : 10.7
at (25 C)

Melting point/freezing point : 0 C

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Initial boiling point and boiling range	: 100 C
Flash point	: does not flash
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: Does not sustain combustion.
Upper/lower flammability or explosive limits	: Test not applicable for this product type
Vapour pressure	: Calculated 31.7 hPa
Vapour density	: Test not applicable for this product type
Relative density	: 1.00 g/cm ³ at 25 C
Solubility(ies)	: soluble
Partition coefficient: n-octanol/water	: Test not applicable for this product type
Auto-ignition temperature	: Test not applicable for this product type
Decomposition temperature	: Heating can release hazardous gases.
Viscosity, dynamic	: similar to water
Viscosity, kinematic	: similar to water

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Oxidizing properties	:	Test not applicable for this product type	:
Volatile Organic Compounds Total VOC (wt. %)*	:	0.2 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	:
Other information	:	None identified	:

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.	:
Chemical stability	:	Stable under recommended storage conditions.	:
Possibility of hazardous reactions	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.	:
Conditions to avoid	:	Direct sources of heat.	:
Incompatible materials	:	Do not mix with bleach or any other household cleaners. Strong bases	:
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.	:

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 > 5000 mg/kg	:
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Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical : None known.

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Condition

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

No environmental data required.

No environmental data required.

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

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Revision Date 05/23/2017

SDS Number 350000014153

Air transport

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

- Notification status** : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- Notification status** : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
- California Prop. 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
- Canada Regulations** : This product has been classified in accordance with the hazard criteria of the Hazardous Products Act and Regulations.

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	0
Reactivity	0

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SDS Number 350000014153

NFPA Ratings

Health	1
Fire	0
Reactivity	0
Special	-

This information is being provided in accordance with Canada's Workplace Hazard Material Information System. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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