

KONICA BUSINESS MACHINES U S A -- KONICA TONER 2230/2330 947-234 500G

MSDS Safety Information

MSDS Date: 10/28/1997
MSDS Num: CJGKK
Product ID: KONICA TONER 2230/2330 947-234 500G
MFN: 02
Responsible Party
Cage: 89431
Name: KONICA BUSINESS MACHINES U S A INC
Address: 500 DAY HILL RD
City: WINDSOR CT 06095
Info Phone Number: 860-683-2402
Emergency Phone Number: 860-683-2402
Resp. Party Other MSDS No.: 1997803401US
Preparer's Name: KONICA CORPORATION
Proprietary Ind: Y
Review Ind: Y
Published: Y

Contractor Summary

Cage: 89431
Name: SHIN-ETSU CHEMICAL CO LTD
Address: 6-1, 2-CHOME, OHTEMACHI, CHIYODAKU
City: TOKYO, JAPAN NK 00000
Phone: 03-3246-5171

Ingredients

Name: *** PROPRIETARY ***

Health Hazards Data

LD50 LC50 Mixture: LD50: (ORAL, RAT) >2000 MG/KG
Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: YES
OSHA: NO
Effects of Exposure: EYE EFFECTS: NONE CURRENTLY KNOWN. SKIN EFFECTS: NONE CURRENTLY KNOWN. INGESTION EFFECTS: NONE CURRENTLY KNOWN. INHALATION EFFECTS:
NONE CURRENTLY KNOWN. MINIMAL RESPIRATORY TRACT IRRITATION MAY OCCUR AS WITH
EXPOSURE TO LARGE AMOUNT OF ANY NON-TOXIC DUST. CHRONIC EFFECTS/CARCINOGENICITY: PROLONGED INHALATION OF EXCESSIVE DUSTS MAY CAUSE LUNG DAMAGE. EFFECT IS ATTRIBUTED TO "LUNG OVERLOADING," A G ENERIC RESPONSE
TO EXCESSIVE AMOUNTS OF ANY DUST RETAINED IN LUNGS FOR A PROLONGED PERIOD. USE OF THIS PRODUCT, AS INTENDED, DOES NOT RESULT IN INHALATION OF EXCESSIVE DUST. CARBON BLACK IS CLASSIFIED AS A (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: CARBON BLACK: IARC MONOGRAPHS, VOL 65, PG 149,

1996:GROUP 2B.

Signs And Symptions Of Overexposure: HLTH HAZS: GROUP 2B CARCINOGEN (POSSIBLE HUMAN CARCINOGEN) BY IARC. HOWEVER, BASED ON ANIMAL TESTING, IT IS PRESUMED THAT THERE IS NO ASSOCIATION BETWEEN TONER EXPOSURE AND CANCER.

First Aid: EYES: FLUSH EYES LIGHTLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF SYMPTOMS OCCUR, GET MEDICAL ATTENTION. SKIN: WASH WITH WATER AND

MILD SOAP. INGESTION: WASH OUT MOUTH WITH WATER. DRINK ONE OR TWO GLASSES OF

WATER. IF SYMPTOMS OCCUR, GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO

FRESH AIR. IF SYMPTOMS OCCUR, GET MEDICAL ATTENTION.

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Handling and Disposal

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Spill Release Procedures: WEAR PERSONAL PROTECTIVE EQUIPMENT. MINIMIZE RELEASE

OF PARTICULATES. SWEEP OR VACUUM MATERIAL, PLACE IN BAG AND HOLD FOR WASTE DISPOSAL. USE VACUUM WITH HEPA FILTER. VACUUM SHOULD BE ELECTRICALLY BONDED

AND GROUNDED TO DISIPATE STATIC ELECTICITY. TO AVOID DUST GENERATION, DO NOT

SWEEP DRY.

Waste Disposal Methods: WHEN DISPOSING OF WASTE OR RECOVERED MATERIAL, CONSULT

FEDERAL, STATE AND LOCAL REGULATIONS FOR THE PROPER DISPOSAL METHOD. DO NOT THROW AWAY THE TONER CARTRIDGE INTO THE FIRE.

Handling And Storage Precautions: KEEP OUT OF REACH OF CHILDREN. TRY NOT TO DISPERSE THE PARTICLES. AVOID PROLONGED INHALATION OF EXCESSIVE DUST AND CONTACT WITH EYES. KEEP CONTAINER TIGHTLY CLOSED. STORE IN A COOL AND DRY PLACE. KEEP AWAY FROM OXIDIZERS.

Other Precautions: THIS MATERIAL IS CAPABLE OF CREATING A DUST EXPLOSION. KEEP

AWAY FROM HEAT, SPARKS AND FLAME.

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Fire and Explosion Hazard Information

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Extinguishing Media: WATER SPRAY, DRY CHEMICAL, FOAM.

Fire Fighting Procedures: USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT

(FP N). IF FIRE IS IN THE MACHINE TREAT AS AN ELECTRIC FIRE; DO NOT USE WATER OR FOAM.

Unusual Fire/Explosion Hazard: COMBUSTIBLE POWDER. DUSTS AT SUFFICIENT CONCENTRATIONS CAN FORM EXPLOSIVE MIXTURES WITH AIR. HAZARDOUS COMBUSTION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE AND SMOKE.

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Control Measures

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Respiratory Protection: NOT REQUIRED UNDER NORMAL CONDITIONS. FOR USE OTHER THAN IN NORMAL OPERATING PROCEDURES (SUCH AS IN THE EVENT OF LARGE SPILL), ANSI APPROVED GOGGLES AND NIOSH APPROVED RESPIRATORS MAY BE REQUIRED.

Ventilation: NOT REQUIRED UNDER NORMAL CONDITIONS.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: EMERGENCY EYE WASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

Supplemental Safety and Health: TOXICOLOGICAL INFO: GENERIC RESPONSES TO PRESENCE OF LG QTYS OF RESPIRABLE, INSOL & RELATIVELY BENIGN DUSTS RETAINED FOR EXTENDED TIME PERIODS IN LUNGS. LUNG TUMOR FREQUENCY UNCHANGED AMONG RATS EXPOS TO TONER AT 3 EXPOS LEVELS & FOR AIR-ONLY CTL RATS. MUTAGENICITY - AMES TEST:NEG. CARBON BLACK - (OTHER INFO)

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Physical/Chemical Properties
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Melt/Freeze Pt: =130.C, 266.F
M.P/F.P Text: SOFTENING PT-TONER
Spec Gravity: 1.1
Solubility in Water: INSOLUBLE
Appearance and Odor: FINE BLACK POWDER (MEAN DIA. IS ABOUT 8UM BY VOLUME).
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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: STABLE EXCEPT ABOVE 200C.
Materials To Avoid: OXIDIZERS.
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE AND SMOKE.
Hazardous Polymerization Indicator: NO
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Toxicological Information
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Toxicological Information: PROD: ACUTE DERMAL TOX: LD50:>2000MG/KG (RAT).
EYE/SKIN IRRIT: NON-IRRITANT (RABBIT). SKIN SENSIT: NON-SENSITIZING (GPG).
CHRONIC EFTS/CARCIN: IN 2-YR INHAL STUDY OF CHRONIC TOX & CARCIN USING TYPICAL TONER IN RATS, THERE WERE NO LUNG CHGS AT ALL IN LOWEST EXPOS LEVEL
(1MG/M3), MOST RELEVANT LEVEL TO POTNTL HUMAN EXPOS. MINIMAL TO MILD DEGREE OF FIBROSIS NOTED IN 22% OF ANIMALS AT MID EXPOS LEVEL (4MG/M3) & MILD TO MOD DEGREE OF FIBROSIS OBSERVED IN 92% OF RATS AT HIGHEST EXPOS LEVEL (16MG/M3). LUNG CHGS OBSERVED IN HIGHER EXPOS GROUPS ARE INTERPRETED IN TERMS OF "LUNG OVERLOADING," A SERIES O F (SUPDAT)
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Ecological Information
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Ecological: NO DATA AVAILABLE. OTHER INFO: CARBON BLACK & LUNG TUMORS. MOREOVER, TWO-YEAR CANCER BIOASSAY USING TYPICAL TONER PREPARATION CONTAINING CARBON BLACK DEMONSTRATED NO ASSOC BETWEEN TONER EXPOS & TUMOR DEVELOPMENT IN RATS. (SEE CHRONIC EFTS.)
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MSDS Transport Information
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Transport Information: DOT/TDG CLASS: NOT REGULATED. UN CLASS: NOT REGULATED.
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Regulatory Information
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Sara Title III Information: SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) - 302 EXTREME HAZARDOUS SUBSTANCE: NONE. 311/312 HAZARD

CATEGORIES: NONE. 313 REPORTABLE INGREDIENTS: NONE.

Federal Regulatory Information: OSHA HAZARD COMMUNICATION STANDARD, 29 CFR

1910.1200: INGREDIENT CARBON BLACK IS CONSIDERED HAZARDOUS. CERCLA
(COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT):
NONE.

TSCA (TOXIC SUBSTANCE CONTROL ACT): ALL CHEMICAL SUBSTANCES IN THIS
PRODUCT

COMPLY WITH ALL APPLICABLE RULES OR ORDER UNDER TSCA.

State Regulatory Information: THIS PRODUCT CONTAINS NO CHEMICAL SUBSTANCES
SUBJECT TO CALIFORNIA PROPOSITION 65.

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Other Information

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Other Information: HAZARD RATING HEALTH: 1; FLAMMABILITY: 1; REACTIVITY: 0.

SUPDAT: CARCIN: IARC REEVALUATED CARBON BLACK AS GROUP 2B CARCIN (POSS
HUMAN

CARCIN) IN MONO VOL 65 IN 1996. THIS CATEGORY HAS BEEN GIVEN TO CARBON
BLACK, BASED ON IARC'S EVALUATIONS THAT THERE IS INADEQ EVID IN HUMANS FOR
CARCIN OF CARBON BLACK, BUT THERE IS SUFFICIENT EVID IN EXPERIMENTAL
ANIMALS.

LATTER EVALUATION WAS MADE DUE TO DEV ELOPMENT OF LUNG TUMORS IN RATS
RECEIVING CHRONIC INHAL EXPOS TO FREE CARBON BLACK AT LEVELS THAT INDUCE
"LUNG OVERLOADING." HOWEVER, STUDIES PERFORMED IN MICE HAVE NOT
DEMONSTRATED

AN ASSOC BETWEEN (ECOLOGICAL INFO)

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HAZCOM Label

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Product ID: KONICA TONER 2230/2330 947-234 500G

Cage: 89431

Company Name: SHIN-ETSU CHEMICAL CO LTD

Street: 6-1, 2-CHOME, OHTEMACHI, CHIYODAKU

City: TOKYO, JAPAN NK

Zipcode: 00000

Health Emergency Phone: 860-683-2402

Label Required IND: Y

Date Of Label Review: 06/09/1999

Status Code: A

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: COMBUSTIBLE POWDER. ACUTE: INHALATION: MINIMAL

RESPIRATORY TRACT IRRITATION MAY OCCUR AS WITH EXPOSURE TO LARGE AMOUNT OF
ANY NON-TOXIC DUST. CHRONIC: CANCER HAZARD. CONTAINS MATERIAL WHICH IS
LISTED

AS AN ANIMAL LUNG CARCINOGEN (FP N).

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