

RICOH CORP -- TONER TYPE 450, 889463

=====  
MSDS Safety Information  
=====

FSC: 6850  
NIIN: 01-439-6250  
MSDS Date: 07/14/1995  
MSDS Num: CFTCW  
Product ID: TONER TYPE 450, 889463  
MFN: 01  
Responsible Party  
Cage: RICOH  
Name: RICOH CORP  
Address: 5 DEDRICK PLACE  
City: WEST CALDWELL NJ 07006  
Info Phon  
e Number: 201-882-2000;800-336-6737  
Emergency Phone Number: 800-336-6737  
Proprietary Ind: Y  
Published: Y

=====  
Contractor Summary  
=====

Cage: 2Z665  
Name: RICOH CO LTD  
Address: 5 DEDRICK PL  
City: CALDWELL NJ 07006-6304  
Phone: 973-882-2000 / 800-336-6737  
Cage: RICOH  
Name: RICOH CORP  
Address: 5 DEDRICK PLACE  
City: WEST CALDWELL NJ 07006  
Phone: 201-882-2000

=====  
Item Description Information  
=====

Item Name: TONER,INDIRECT ELECTROSTATIC PROCESSING  
=====

Ingredients  
=====

Name: \*\*\* PROPRIETARY \*\*\*  
-----

=====  
Health Hazards Data  
=====

LD50 LC50 Mixture: NONE SPECIFIED B

Y MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: YES

OSHA: NO

Effects of Exposure: ACUTE: EYES: MAY CAUSE TEMPORARY EYE DISCOMFORT. SKIN: NON-IRRITANT. INHALATION: GASPING. INGESTION: GREATER THAN 5 G/KG BODYWEIGHT. CHRONIC: PROLONGED INHALATION OF EXCESSIVE DUST MAY CAUSE LUNG DAMAGE THAT IS ATTRIBUTED TO "LUNG OVERLOADING", A GENERIC RESPONSE TO EXCESSIVE AMOUNTS OF ANY DUST (EFTS OF OVEREXP)

Explanation Of Carcinogeni

city: CARBON BLACK: IARC MONOGRAPHS ON EVAL OF CARCIN

RISK OF CHEMS TO MAN, VOL 65, PG 24-27, 1995: GROUP 2B (ANIMAL: LUNG).

Signs And Symptoms Of Overexposure: HEALTH HAZARDS: RETAINED IN LUNGS FORM

PROLONGED INTERVAL. USE OF PRODUCT AS INTENDED DOES NOT RESULT IN INHALATION OF EXCESSIVE DUST.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYE: TRY TO REMOVE WITH EYE DROPS OR FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF UNSUCCESSFUL, GET MEDICAL ATTENTI

ON. SKIN: WASH THOROUGHLY

WITH SOAP AND WATER. INHALATION: REMOVE FROM EXPOSURE. INGESTION: DILUTE STOMACH CONTENTS WITH SEVERAL GLASSES OF WATER.

=====  
Handling and Disposal

=====  
Spill Release Procedures: SWEEP UP USING APPRVD TONER VACUUM CLEANER WITH 0.5 MICRON FILTER OR SMALLER SUCH AS ATRIX AAA TONER VACUUM (RICOH EDP CODE 342MIU). USE OF VACUUM CLEANER NOT RATED FOR TONER PARTICULA

TE COULD BE POTN

TL FIRE HAZ &/OR RSLT IN PERSONAL INJURY. (SUPDAT)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: USED TONER SHOULD BE DISP OF IN AN ENVIRONMENTALLY SAFE MANNER & I/A/W GOVERNMENTAL REGS. DO NOT INCIN LOOSE/SPILLED TONER. DISP REGS VARY FROM LOCALITY TO LOCALITY, THEREFORE, CONSULT YOUR LOC, ST & FED OFFICE OF EPA TO DETERM PROPER METHOF DISP.

Handling And Storage Precautions: STORE IN COOL, DRY PLACE. CLEANSE SKIN THOROUGHLY A

FTER CONTACT, BEFORE BREAKS AND MEALS, AND AT END OF WORK PERIODS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: DO NOT HANDLE IN AREAS WHERE WIND BLOWS. FLYING POWDER MAY ENTER EYES. MINIMIZE INHALATION OF DUST.

=====  
Fire and Explosion Hazard Information

=====  
Extinguishing Media: FOAM, WATER SPRAY (FOG), DRY CHEMICALS OR CARBON DIOXIDE MAY BE SUITABLE.

Fire Fighting Procedures: USE N

IOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT

(FP N).

Unusual Fire/Explosion Hazard: AIRBORNE DISPERSAL OF MOST FINELY DIVIDED ORGANIC POWDERS SUCH AS TONER MAY FORM AN EXPLOSIVE MIXTURE. DO NOT INCINERATE LOOSE OR SPILLED TONER.

Control Measures

Respiratory Protection: NONE REQUIRED UNDER NORMAL CONDITIONS OF USE. USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation: MECHANICAL (GENERAL): ADEQUATE VENTILATION.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

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

Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE SHOWER (FP N).

Work Hygienic Practices: MINIMIZE BREATHING DUST. CLEANSE SKIN THOROUGHLY AFTER CONTACT, BEFORE BREAKS AND MEALS.

Supplemental Safety and Health: SPILL PROCEDURE: REMOVE RESIDUE WITH SOAP AND WATER.

Physical/Chemical Properties

Spec Gravity: 1.2

Solubility in Water: NEGLIGIBLE;

Appearance and Odor: BLACK POWDER WITH SLIGHT PLASTIC ODOR.

Reactivity Data

Stability Indicator: YES

Materials To Avoid: NONE.

Hazardous Decomposition Products: CARBON MONOXIDE AND OTHER DECOMPOSITION PRODUCTS IN CASE OF INCOMPLETE COMBUSTION.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT.

Toxicological Information

Ecological Information

MSDS Transport Information

=====

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: RICOH  
Trans ID NO: 136807  
Product ID: TONER TYPE 450, 889463  
MSDS Prepared Date: 07/14/1995  
Review Date: 01/08/1998  
MFN: 1  
Multiple KIT Number: 0  
Review IND: Y

Detail DOT Information

DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail IMO Information

IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

Detail IATA Information

IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail AFI Information

AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

HAZCOM Label

Product ID: TONER TYPE 450, 889463  
Cage: RICOH  
Assigned IND: Y  
Company Name: RICOH CORP  
Street: 5 DEDRICK PLACE  
City: WEST CALDWELL NJ  
Zipcode: 07006  
Health Emergency Phone: 800-336-6737  
Label Required IND: Y  
Date Of Label Review: 12/02/1997  
Status Code: C  
Label Date: 12/02/1997  
Origination Code: G  
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. ACUTE: EYES: MAY CAUSE TEMPORARY EYE DISCOMFORT. INHALATION: GASPING. INGESTION: GREATER THAN 5 G/KG BODYWEIGHT. CHRONIC: CANCER HAZARD. CONTAINS CARBON BLACK, WHICH IS LISTED AS AN ANIMAL LUNG CARCINOGEN (FP N). PROLONGED INHALATION OF EXCESSIVE DUST MAY CAUSE LUNG DAMAGE THAT IS ATTRIBUTED TO "LUNG OVERLOADING". CANCER HAZARD. CONTAINS CARBON BLACK, WHICH IS LISTED AS AN ANIMAL LUNG CARCINOGEN (FP N).

=====  
Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.