

CANON INC -- NP-4835 TONER BLACK

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

FSC: 6850
NIIN: 01-409-0947
MSDS Date: 09/01/1997
MSDS Num: CJKTG
Product ID: NP-4835 TONER BLACK
MFN: 01
Responsible Party
Cage: EO274
Name: CANON INC
Address: 30-2 SHIRMOMARUKO 3 CHOME
City: TOKYO, JAPAN NK 00000
Emer
gency Phone Number: 516-328-5600
Resp. Party Other MSDS No.: CPY-0184-003

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

Item Manager: S9G
Item Name: TONER,DIRECT ELECTROSTATIC PROCESS
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: EA
UI Container Qty: 0

=====
Ingredients
=====

Name: *
** PROPRIETARY ***

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

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: SKIN, INHALATION, INGESTION: LOW HAZARD FOR RECOMMENDED
HANDLING. EYES ; NO SPECIFIC HAZARDS KNOWN. MAY CAUSE TRANSIENT IRRITATION.
Explanation Of Carcinogenicity: CARCINOGENICITY CLASSIFICATION

(COMPONENTS

PRESENT AT 0.1% OR MORE) : NONE.

Signs And Symptoms Of Overexposure: NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: INHALATION: IF SYMPTOMATIC, REMOVE FROM EXPOSURE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: ANY MATERIAL THAT CONTACT THE EYES SHOULD BE WASHED OUT IMMEDIATELY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

INGESTION: DRINK SEVERAL GLASSES OF WATER. SEEK MEDICAL ATTENTION.

Handling and Disposal

Spill Release Procedures: SWEEP MATERIAL ONTO PAPER AND PLACE IN FIBER CARTON. DO NOT USE A VACUUM CLEANER TO CLEAN UP SPILLS OF POWDERED TONER. THE FINE PARTICLES CAN CAUSE A FIRE OR EXPLOSION.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: INCINCERATE OR LANDFILL. CAN BE INCINERATED WHEN IN COMPLIANCE WITH LOCAL REGULATIONS. DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE OR LOCAL LAWS.

Handling And Storage Precautions: KEEP OUT OF REACH OF CHILDREN.AVOID BREATHING DUST. KEEP FROM CONTACT WITH OXIDIZING MATERIALS. MINIMIZE DUST GENERATION AND ACCUMULATION. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER CLOSED.

Other Precautions: REFER TO PAMPHLET NO. 654, "PREVENTION OF FIRE AND DUST EXPLOSIONS IN THE CHEMICAL, DYE, PHARMACEUTICAL AND PLASTICS INDUSTRIES."

Fire and Explosion Hazard Information

Flash Point Text: NON-FLAMMABLE

Extinguishing Media: WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICALS. PRODUCT IS NON-FLAMMABLE SOLID (ACCORDING TO TEST METHOD OF 16 CFR 1500.44).

Fire Fighting Procedures: NONE.

Unusual Fire/Explosion Hazard: TONER MATERIAL, LIKE MOST ORGANIC MATERIAL IN POWDER FORM, IS CAPABLE OF CREATING A DUST EXPLOSION.

Control Measures

Respiratory Protection: NONE REQUIRED WHEN USED IN INTENDED FASHION.

Ventilation: GOOD VENTILATION (TYPICALLY 4-6 ROOM VOLUMES PER HR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.

Protective Gloves: IMPERVIOUS GLOVES SHOULD BE WORN.

Eye Protection: IT IS

GOOD INDUSTRIAL HYGIENE PRACTICE TO MINIMIZE EYE CONTACT.

Other Protective Equipment: RECOMMENDED DECONTAMINATION FACILITIES: WASHING FACILITIES.

Work Hygienic Practices: GOOD INDUSTRIAL HYGIENE PRACTICES SHOULD BE FOLLOWED WHICH INCLUDES PREVENTING EYE CONTACT, MINIMIZING SKIN CONTACT, INHALATION. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health: NONE SPECIFIED BY MANUFACTURER.

Physical/Chemical Properties

HCC: N1

M.P/F.P Text: 100 - 150C

Spec Gravity: 1.4~1.6 (WATER=1)

Evaporation Rate & Reference: N/A (N-BUTYL ACET)

Solubility in Water: NEGLIGIBLE

Appearance and Odor: SOLID FINE POWDER, BLACK, WITH SLIGHT PLASTIC ODOR.

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.

Materials To Avo

id: STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: COMBUSTION WILL PRODUCE CARBON DIOXIDE AND POSSIBLY TOXIC CHEMICALS SUCH AS CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Toxicological Information: HEALTH HAZARDS OF LONG TERM EXPOSURE (CHRONIC): BASED UPON AVAILABLE DATA, HUMAN E

XPOSURE TO TONER HAS BEEN SHOWN TO CAUSE

MINIMAL RESPIRATORY TRACT IRRITATION AS MAY OCCUR WITH LARGE AMOUNTS OF ANY N ONTOXIC DUSTS. THE RESULTS OF ONE ANIMAL STUDY WHERE RATS INHALED TONER THAT WAS TEN TIMES MORE RESPIRABLE THAN COMMERCIALY AVAILABLE TONER WERE OBSERVED

TO HAVE NO LUNG CHANGES AT LOW EXPOSURES. AT HIGHER LEVELS A SLIGHT DEGREE OF LUNG FIBROSIS WAS OBSERVED DUE TO EXCESSIVE AMOUNTS OF DUST RETAINED IN THE LUNGS FOR A PROLONGED INTERVAL.

=====
Ecological Information
=====

Ecological: THIS MATERIAL HAS NOT BEEN TESTED FOR ENVIRONMENTAL EFFECTS. IN A SPILL SITUATION THIS MATERIAL MAY BE VISUALLY UNPLEASANT; HOWEVER, IT IS NOT EXPECTED TO CAUSE ANY ADVERSE ENVIRONMENTAL EFFECTS.

=====
MSDS Transport Information
=====

Transport Information: SHIPPING NAME: NOT REGULATED.

=====
Regulatory Information
=====

SARA Title III Information: CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OR TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR 372: NONE.

Federal Regulatory Information: RCRA STATUS: IF DISCARDED IN ITS PURCHASED FORM, THIS PRODUCT WOULD NOT BE A HAZARDOUS MATERIAL EITHER BY LISTING OR BY CHARACTERISTIC. HOWEVER, UNDER RCRA, IT IS THE RESPONSIBILITY OF THE END-USER TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER A MATERIAL A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS HAZARDOUS WASTE; 40 CFR 261.20-24. TSCA STATUS: ALL CHEMICAL INGREDIENTS FOUND ON TSCA INVENTORY.

State Regulatory Information: MATERIALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: NONE. MATERIALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE HARMFUL REPRODUCTIVE EFFECTS: NONE.

=====
Other Information
=====

Other Information: TOXICOLOGICAL DATA CONTINUED: MUTAGENICITY: SALMONELLA TYPHIMURIUM ESSAY (AMES TEST): NEGATIVE.

=====
Transportation Information
=====

Responsible Party Code: EO274
Trans ID NO: 147487
Product ID: NP-4835 TONER BLACK
MSDS Prepare

d Date: 09/01/1997
Review Date: 08/24/1999
MFN: 1

Multiple KIT Number: 0
Unit Of Issue: EA
Container QTY: 0

Additional Data: NOT REGULATED FOR TRANSPORTATION PER MANUFACTURER'S MSDS.

=====
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
=====

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

=====
HAZCOM Label
=====

Product ID: NP-4835 TONER BLACK
Cage: EO274
Assigned IND: Y
Company Name: CANON INC
Street: 30-2 SHIMOMARUKO 3-CHOME, OHTA-KU
City: TOKYO NK
Zipcode: 00000
Country: JA
Health Emergency Phone: 516-328-5600
Label Required IND: Y
Date Of Label Review: 08/24/1999
Status Code: A
Origination

Code: F
Eye Protection IND: NO
Skin Protection IND: NO
Signal Word: NONE
Respiratory Protection IND: NO
Health Hazard: None
Contact Hazard: None
Fire Hazard: None
Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: NONE. SKIN, INHALATION, INGESTION: LOW HAZARD FOR RECOMMENDED HANDLING. EYES: NO SPECIFIC HAZARDS KNOWN. MAY CAUSE TRANSIENT IRRITATION. MINIMIZE DUST GENERATION AND ACCUMULATION. USE WITH ADEQUATE VENTILATION. IN CASE OF FIRE, USE WATER SPRAY, CARBON DIOXIDE, OR DRY CHEMICAL. IN CASE OF SPILL, SWEEP UP AND REMOVE. FLUSH RESIDUAL SPILL FROM AREA WITH WATER.

=====
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.