

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  
Emergency 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 Sympti

ons 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.

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Handling and Disposal  
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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."

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Fire and Explosion Hazard Information  
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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.

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Control Measures  
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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.

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Physical/Chemical Properties

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HCC: N1

M.P/F.P Tex

t: 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.

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Reactivity Data

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Stability Indicator: YES

Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: C

OMBUSTION WILL PRODUCE CARBON DIOXIDE AND POSSIBLY TOXIC CHEMICALS SUCH AS CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information

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Toxicological Information: HEALTH HAZARDS OF LONG TERM EXPOSURE (CHRONIC): BASED UPON AVAILABLE DATA, HUMAN EXPOSURE TO TONER HAS BEEN SHOWN TO CAUSE MINIMAL RESPIRATORY T

RACT 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.

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Ecological Information

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

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MSDS Transport Information

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Transport Information: SHIPPING NAME: NOT REGULATED.

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Regulatory Information

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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 CHARATERISTIC. 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.

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Other Information

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

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Transportation Information

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Responsible Party Cage: EO274  
Trans ID NO: 147487  
Product ID: NP-4835 TONER BLACK  
MSDS Prepared Date: 09/01/1997  
Review Date: 08/24/1999  
MFN: 1  
Multiple KIT N

umber: 0  
Unit Of Issue: EA  
Container QTY: 0  
Additional Data: NOT REGULATED FOR TRANSPORTATION PER MANUFACTURER'S MSDS.

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Detail DOT Information

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

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Detail IMO Information

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

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Detail IATA Information

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

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Detail AFI Information

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

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HAZCOM Label

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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 Wo

rd: 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 W ITH  
ADEQUATE VENTILATION. IN CASE OF FIRE, USE WATER SPRAY, CARBON DIOXIDE, OR  
DRY CHEMICAL. IN CASE OF SPILL, SWEEP UP AND REMOVE. FLUSH RESIDU  
AL SPILL  
FROM AREA WITH WATER.

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