

CANON IND -- FX-2 CARTRIDGE BLACK, H11-6321-220 -- 6850-01-416-7995  
===== Product Identification =====

Product ID:FX-2 CARTRIDGE BLACK, H11-6321-220

MSDS Date:12/01/1993

FSC:6850

NIIN:01-416-7995

MSDS Number: BZNXN

=== Responsible Party ===

Company Name:CANON IND

Address:30-2 SHIRMOMARUKO 3 CHOME OMTA-KU

City:TOKYO

Country:JA

Info Phone Num:03-3758-2111/516-326-5690

Emergency Phone Num:800-424-93

00(CHEMTREC)

Preparer's Name:JOSEPH PALMERI

CAGE:EO160

=== Contractor Identification ===

Company Name:AUTOMATION AIDS, INC.(FAX 617-646-5890)

Box:UNKNOW

CAGE:01QM0

Company Name:CANON INC

Address:30-2 SHIRMOMARUKO 3 CHOME OMTA-KU

Box:City:TOKYO

Country:JA

CAGE:EO160

Company Name:CANON INC

Address:30-2 SHIMOMARUKO 3-CHOME, OHTA-KU

Box:City:TOKYO

Country:JA

Phone:03-3758-2111/ 516-328-5600(USA)

CAGE:EO274

Company Name:CANON USA INC

Address:ONE CANON PLZ

Box:City:NEW HYDE PARK

State:NY

ZIP:11042

Cou

Country:US  
Phone:516-328-5000; 5600  
CAGE:08YZ7

=====  
Composition/Information on Ingredients  
=====

Ingredient Name:STYRENE ACRYLIC COPOLYMER  
Fraction by Wt: 45-55%  
Other REC Limits:NONE RECOMMENDED

Ingredient Name:IRON OXIDE  
CAS:1317-61-9  
Fraction by Wt: 45-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3  
ACGIH TLV:5 MG/M3

Ingredient Name:MANUFACTURER CONTACT STATES ALL OTHER INFO IS PROPRIETARY.  
RTECS #:9999999ZZ  
Other REC Limits:NONE RECOMMENDED

=====  
Hazards Identification  
=====

LD50 LC50 Mixture:ORAL LD50 (RATS) >5000MG/KG.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:BASED UPON AVAILABLE DATA HUMAN EXPOSURE TO TONER HAS BEEN SHOWN TO CAUSE MIN RESP TRACT IRRIT AS MAY OCCUR W/LG AMTS OF ANY NON-TOXIC DUSTS. SKIN/INHAL:EXPECTED TO BE LOW HAZ FOR RECOMMENDED HNDLG.EYE:NO SPECIFIC HAZ KNOWN.MAY CAUSE TRANSIENT IRRIT.INGEST:EXPECTED TO BE LOW INGEST HAZ. (SEE SIGNS/SYMPTOMS)

Explanation of Carcinogenicity:PER MSDS:NTP/OSHA/IARC/ACGIH:NONE.  
Effects of Overexposure:RESULTS OF 1 ANIMAL STUDY WHERE RATS INHALED TONER THAT WAS 10X MORE RESPIRABLE THAN COMMERCIALY AVAILABLE TONER WERE OBSERVED TO HAVE NO LUNG CHANGES @LOW EXPO(THE MOST RELEVANT LEVEL TO POT HUMAN EXPOSURE).@HIGHER LEVELS SLIGHT DEGREE OF LUNGFIBROSIS OBSERVED DUE TO EXCESSIVE AMTS OF DUST RETAIN IN LUNGS FOR PROLONGED INTERVALS  
Medical Condition Aggravated

ted by Exposure:NONE SPECIFIED BY MANUFACTURER.

=====  
===== First Aid Measures =====

First Aid:INHAL:SYMPTOMATIC MOVE TO FRESH AIR.SYMPTOMS PERSIST GET MED ATTN. EYE:ANY MATERIAL THAT CONTACTS EYE SHOULD BE WASHED OUT IMMEDIATELY W/WATER.SYMPTOMS OCCUR GET MED ATTN. SKIN:WASH W/SOAP/WATER.SYMPTOMS OCCUR GET MED ATTN. INGEST:DRINK 1-2 GLASSES OF WATER.NO ADVERSE EFFECTS EXPECTED.

=====  
===== Fire Fighting Measures =====

Ex

Extinguishing Media:NON-FLAMM SOLID ACCORDING TO TEST METHOD 16CFR1508.44. WATER SPRAY,CARBON DIOXIDE(CO2),DRY CHEMICAL.

Fire Fighting Procedures:NONE.

Unusual Fire/Explosion Hazard:CAUTION!POWDERED MATERIAL DISPERSED IN AIR MAY FORM EXPLO DUST-AIR MIXTURE.TONER MATERIAL LIKE MOST ORGANIC MATERIAL IN POWDERED FORM IS CAPABLE OF CREATING DUST EXPLOSION.

=====  
===== Accidental Release Measures =====

Spill Release Procedures:SWEEP MATERIAL ONTO PAPER & PLACE IN FIBER CARTON.

M

MATERIAL HAS NOT BEEN TESTED FOR ENVIRONMENTAL EFFECTS.IN SPILL SITUATION MATERIAL MAY BE VISUALLY UNPLEASANT;HOWEVER IT'S NOT EXPECTED TO CAUSE ANY ADVERSE ENVIRONMENTAL EFFECTS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====  
===== Handling and Storage =====

Handling and Storage Precautions:AVOID BREATH DUST.USE WITH ADEQUATE VENTILATION.KEEP FROM CONTACT WITH OXIDIZING MATERIALS.REF:PAMPHLET#654:PREVENTION OF FIRE/DUST EXPLOSION IN CHEM/DYE/PHARMACEUTICAL/PLASTIC INDUSTRIES

Other Precautions

:KEEP CONTAINER CLOSED.AN ASSEMBLY FOR FACSIMILE,COMPOSED OF PHOTODUPLICATION DRUM,TONER POWDER,DEVELOPER UNIT,CHARGER-ROLLER & CLEANER BLADE.TONER POWDER CAN'T BE REMOVED & IS NOT ACCESSIBLE UNLESS CARTRIDGE IS TAMPERED WITH OR FORCIBLY BROKEN.

=====  
===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE SHOULD BE NEEDED.

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

Protective Clothing

oves:IMPERV GLOVES FOR PROL/REP CONTACT.  
Eye Protection:GOOD INDUST HYG PRAC TO MIN CONTACT.  
Other Protective Equipment:WASHING FACILITIES.  
Work Hygienic Practices:WASH WELL AFT HNDLG.GOOD INDUSTRIAL HYGIENE  
PRAC SHOULD BE FOLLOWED INCLUDES PREVENT EYE CONTACT,MIN SKIN  
CONTACT,INHAL.  
Supplemental Safety and Health  
DISPO:CAMPAIGN.NO CHEM SUBJ TO SEC 313 TITLE III SARA/40CFR 372  
REPORTING REQMTS.

===== Physical/Chemical Properties =====

HCC:N1  
Melt/Freeze  
Pt:M.P/F.P Text:212F,100C  
Spec Gravity:1.5-1.8  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:SOLID POWDER, BLACK COLOR, SLIGHT PLASTIC ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid:MINIMIZE DUST GENERATION & ACCUMULATION.  
Hazardous Decomposition Products:HAZ COMBUST PROD:CARBON MOXIDE, CARBON  
DIOXIDE.

===== Disposal Considerations =====  
=====

Waste Disposal Methods:INCINERATE/LANDFILL.CAN BE INCINERATED WHEN IN  
COMPLIANCE W/LOC REGS.DISCHAR/TREAT/DISPO MAY BE SUBJ TO  
NAT/STATE/LOC LAWS.CARTRIDGE MAY BE DISPOSED OF AS PLASTIC  
WASTE.CANON INC RECOMMENDES RECYCLE O F EXHAU CARTRIDGES;SEE CANON  
CLEAN EARTH (SUPPLEM)

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 w  
hatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.