

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:800-424-930

0(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

Coun

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

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Composition/Information on Ingredients
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Ingred Name:STYRENE ACRYLIC COPOLYMER
Fraction by Wt: 45-55%
Other REC Limits:NONE RECOMMENDED

Ingred 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

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

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Hazards Ident
ification
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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 EXPO
TO TONER HAS BEEN SHOWN TO CAUSE MIN RESP TRACT IRRIT AS MAY OCCUR
W/LG ATMS OF ANY NON-TOXIC DUSTS. SKIN/INHAL:EXPECTED TO BE LOW HAZ
FOR RECOMMENDED HNDLG.EYE:NO SPECIFIC HAZ KNOWN.MAY CAUSE
TRANSIENTIRRIT.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 INHAL
TONER THAT WAS 10X MORE RESPIRABLE THAN COMMERCIALY AVAILABLE
TONER WERE OSBERVED TO HAVE NO LUNG CHANGES @LOW EXPO(THE MOST
RELEVANT LEVEL TO POT HUMAN EXP O).@HIGHER LEVELS SLIGHT DEGREE OF
LUNGFIBROSIS OBSERVED DUE TO EXCESSIVE AMTS OF DUST RETAIN IN LUNGS
FOR PROL INTERVA

Medical Cond Aggravat

ed by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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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.

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Fire Fighting Measures
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Ext

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.

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

TOXICITY 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.

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Handling and Storage
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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.

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Exposure Controls/Personal Protection
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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 Glo

ves: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 P
t: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 =====
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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)

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