

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

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

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

=====  
Hazards Ident  
ification  
=====

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.

=====  
===== 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 IMMED  
W/WATER.SYMPTOMS OCCUR GET MED ATTN. SKIN:WASH  
W/SOAP/WATER.SYMPTOMS OC CUR GET MED ATTN. INGEST:DIRNK 1-2 GLASSES  
OF WATER.NO ADVERSE EFFECTS EXPECTED.

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

Ext

inguishing 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 MATL LIKE MOST ORGANIC  
MATL IN POWDERED FORM IS CAPABLE OF CREATING DUST EXPLO.

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

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

TL HAS NOT BEEN TESTED FOR ENVIRO EFFECTS.IN SPILL SITUATION MATL  
MAY BE VISUALLY UNPLEASANT;HOWEVER IT'S NOT EXPECTED TO CAUSE ANY  
ADVERSE ENVIRO EFFE CTS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID BREATH DUST.USE W/ADEQUATE  
VENTILATION.KEEP FRM CONTACT W/OXIDIZING  
MATLS.REF:PAMPHLET#654:PREVE OF FIRE/DUST EXPLO IN  
CHEM/DYE/PHAR/PLAST INDUS

Other Precautions:

KEEP CNTNR CLSD.AN ASSEMBLY FOR FACSIMILE,COMPOSED OF  
PHOTSENSITIVE DRUM,TONER POWDER,DEVELOPER UNIT,CHARGER-ROLLER &  
CLEANER BLADE.TONER POWDER CAN'T BE REMOVED & IS NOT ACCESSIBLE  
UNLESS CARTRIDGE IS TAMPERED W/OR FORCIBLY BROKEN.

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

Respiratory Protection:NONE SHOULD BE NEEDED.

Ventilation:GOOD VENTILATION(TYPICALLY 4-6 ROOM VOL/HR)SHOULD BE  
USED.VENTIALTION 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 =====  
=====

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 wh  
atsoever,  
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.