

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-256/25684-76-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
25684-76-8

Code:
M

RTECS:

Code:
X

Name:
VINYLENE FLUORIDE-TETRAFLUOROETHYLENE COPOLYMER

Other REC Limits:
N/K

OSHA PEL:
N/K (FP N)

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K (FP N)

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
NONE REQUIRED WHEN USED AS INTENDED IN MFR EQUIPMENT. FOR USE OTHER THAN NORMAL CUSTOMER-OPERATING PROCEDURES (SUCH AS IN BULK TONER PROCESSING FACILITIES), NIOSH/MSHA APPROVED RESPIRATORS MAY BE REQUIRED.

Ventilation:
NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:
IMPERVIOUS GLOVES (FP N).

Eye Protection:
ANSI APPROVED CHEM WORKERS GOGGS (FP N).

Other Protective Equipment:
Equipment EMERGENCY EYE WASH & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices:
NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:
MFR TRADE/PART #:BLACK DEVELOPER. EFTS OF OVEREXP:THE LUNGS FOR A PROLONGED INTERVAL. THE SPECIAL TEST TONER WAS TEN TIMES MORE RESPIRABLE THAN COMMERCIALY AVAILABLE XEROX TONER TO COMPLY WITH EPA TESTING PROTOCOL AND WOULD NOT FUNCTION PROPERLY IN XEROX EQUIPMENT.

Health Hazards Data

LD50LC50Mixture:
LD50(ORAL,RAT):>5 G/KG

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
EYE/SKIN:NOT AN IRRITANT. SKIN SENSITIZATION:NOT A SENSITIZER. HUMAN PATCH:NON-IRRITATING, NON-SENSITIZING. ADDNL INFO:IN XEROX SPONSORED CHRONIC INHAL STUDY IN RATS USING SPECIAL TEST TONER, THERE WE RE NO LUNG CHANGES AT ALL IN LOWEST EXPOS LEVEL (1 MG/M3) MOST RELEVANT LEVEL TO POTNTL HUMAN EXPOS. (EFTS OF OVEREXP)

Explanation Of Carcinogenicity:
NOT RELEVANT

Signs And Symptions Of Overexposure:
HLTH HAZS:VERY SLIGHT DEGREE OF FIBROSIS WAS NOTED IN 25% OF ANIMALS AT MIDDLE EXPOS LEVEL (4 MG/M3) WHILE SLIGHT DEGREE OF FIBROSIS WAS OBSERVED AT HIGHEST EXPOS LEVEL (16 MG/M3) IN ALL ANIMALS. THES E FINDINGS ARE ATTRIBUTED TO "LUNG OVERLOADING" A GENERIC RESPONSE TO EXCESSIVE AMTS OF ANY DUST RETAINED IN (SUPP DATA)

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
INGEST:CALL MD IMMEDIATELY (FP N). INHAL:REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O*2/ARTF RESP) (FP N). EYES:IMMEDIATELY FLUSH W/POTABLE WATER FOR A MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM MD (FP N). SKIN:FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD (FP N).

Spill Release Procedures:
IF SPILLED, SWEEP UP OR VACUUM.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
WHEN DISPOSED, MATL IS NOT HAZ WASTE ACCORD TO FED REG 49 CFR 261. HOWEVER, FED, STATE & LOC REQS MAY BE MORE RESTRICTIVE. THEREFORE, CONSULTATION W/APPROP STATE, LOC & FED WASTE DISP AUTHS IS ADVISED (FP N).

Handling And Storage Precautions:
AVOID PROLONGED INHALATION OF EXCESSIVE DUST.

Other Precautions:
NONE SPECIFIED BY MANUFACTURER.

Fire and Explosion Hazard Information

Flash Point Method:
N/P 3

Flash Point:

Flash Point Text:
NOT APPLICABLE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
WATER, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:
WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). AVOID INHALATION OF SMOKE.

Unusual Fire/Explosion Hazard:
NONE.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

M.P./F.P Text:
N/A

Decomp Temp:

Decomp Text:
N/K 4

Vapor Pres:
N/A

Vapor Density:
N/A

Volatile Org Content %:

Spec Gravity:
5 (H*20=1)

VOC Pounds/Gallon:

PH: N/A

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
NOT APPLICABLE

Solubility in Water:
NEGLEGIBLE

Appearance and Odor:
BLACK GRANULAR WITH A FAINT ODOR.

Percent Volatiles by Volume:
N/A

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
NONE KNOWN.

Hazardous Decomposition Products:
PRODUCTS OF COMBUSTION MAY BE TOXIC. AVOID BREATHING SMOKE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT

Toxicological Information

Information:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P