

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-76/76-15-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
76-15-3
Code:
M

RTECS:
KH7877500
Code:
M

Name:
CHLOROPENTAFLUOROETHANE (SARA III)

Other REC Limits:
NONE SPECIFIED

OSHA PEL:
1000 PPM
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
1000 PPM; 9192
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
CONCENTRATIONS EXCEEDING TLV (1000 PPM) USE AN APPROVED RESPIRATOR FOR ORGANIC VAPOR. IN VERY HIGH CONCENTRATIONS, SELF-CONTAINED BREATHING EQUIPMENT SHOULD BE USED.

Ventilation:
N/K

Protective Gloves:
CLOTH-LINED RUBBER GLOVES

Eye Protection:
GOGGLES, FULL FACE SHIELD

Other Protective Equipment:
Equipment PROTECTIVE CLOTHING TO MINIMIZE EXPOSED SKIN.

Work Hygienic Practices:
3 NOT FOR FOOD, DRUG OR COSMETIC USE.

Supplemental Safety and Health:
NOTE: HUMAN POISONING POTENTIAL--SNIFFING OF FLUOROCARBON PROPELLANTS FOR THEIR INTOXICATING EFFECTS HAS RESULTED IN OVER 100 DEATHS.

Health Hazards Data

LD50LC50Mixture:
LC50(RAT)277,000--390,00PPM(15 MIN-2 HR)

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
N/P

IARC:
N/P

OSHA:
N/P

Health Hazards Acute And Chronic:
ACUTE: INHAL: VERY HIGH CONC--NARCOSIS, ASPHYXIATION, DEATH & CARDIAC ARRHYTHMIAS. ABUSE (SNIFFING) HAS CAUSED DEATH. INGESTION: FREEZING/SEVERE FROSTBITE W/CONTACTED TISSUE. SKIN/EYES: LOCAL IRRITATI ON. CONTACT WITH LIQUID--FROSTBITE/FREEZING. CHRONIC: INHALATION: ANIMALS--BODY WEIGHT CHANGES, PHYSIOLOGICAL ENDURANCE*

Explanation Of Carcinogenicity:
N/K

Signs And Symptoms Of Overexposure:
LIGHTHEADEDNESS AND HEART PALPTTATIONS. *AND AFFECTS THE LUNGS, CENTRAL NERVOUS SYSTEM, HEART, LIVER, KIDNEYS AND SPLEEN. UNDER CERTAIN CONDITIONS, ANIMALS INDICATED INCREASED BLOO D PRESSURE, FASTER HEART RATE AND BREATHING CHANGES. RAT FETUSES EXPOSED SHOWED INCREASED INCIDENCES OF ABSENCE OF EYES.

Medical Cond Aggravated By Exposure:
PERSONS WITH HEART OR RESPIRATORY DISORDERS MAY BE SUSCEPTABLE TO ASPHYXIATION & CARDIAC ARRHYTHMIAS.

First Aid:
INHALATION: REMOVE TO FRESH AIR. KEEP WARM & AT REST. LABORED BREATHING--GIVE OXYGEN. NO BREATH--START ARTIF RESPIRATION. NO PULSE--START CPR. DON'T GIVE ADRENALINE/EPINEPHRINE/HAND-HELD ASTHMA AEROSO LS. CALL DR. REST 24 HRS. EYES: VAPOR--FLUSH W/WATER FOR 20 MIN. LIQUID--FLUSH SKIN/EYES 15 MIN W/WTR/SALINE. STILL IRRIT--CALL DR. INGESTION: FROSTBITE--WARM SKIN SLOWLY. GET TO DOCTOR IMMEDIATLEY.

Spill Release Procedures:
IN THE EVENT OF A SPILL OR LEAK KEEP UPWIND. VENTILTATE ENCLOSED SPACES UNTIL GAS IS DISPERSED. DO NOT SMOKE OR OPERATE INTERNAL COMBUSTION ENGINES IN IMMEDIATE VICINITY.

Neutralizing Agent:
N/K 2

Waste Disposal Methods:
PRODUCT COLLECTED FROM A REFRIGERATION SYSTEM IS CONSIDERED A HAZARDOUS WASTE IF IT EXHIBITS A HAZARDOUS WASTE CHARACTERISTIC. IF CONSIDERED A HAZARDOUS WASTE, IT SHOULD BE MANAGED IN AN APPROPRIATE M ANNER. CONSULT 40 CFR AND 262.

Handling And Storage Precautions:
STORE AND USE WITH ADEQUATE VENTILATION. NEVER USE IN A CLOSED/CONFINED SPACE. STORE IN A COOL PLACE (<120 F).

Other Precautions:
CFC-502 IS SHIPPED AND STORED AS A LIQUEFIED, COMPRESSED GAS UNDER PRESSURE. DO NOT BREATHE VAPORS. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:

Upper Limits:

Extinguishing Media:
N/P

Fire Fighting Procedures:
N/P

Unusual Fire/Explosion Hazard:
N/P

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/A

Vapor Pres:
N/P

Vapor Density:
N/P

Volatile Org Content %:

Spec Gravity:
N/P

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/K

Evaporation Rate & Reference:
N/P

Solubility in Water:
N/P

Appearance and Odor:

Percent Volatiles by Volume:
N/P

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
N/P

Stability Condition To Avoid:
N/P

Materials To Avoid:
N/P

Hazardous Decomposition Products:
HF, HCL AND TRACES OF CARBONYL HALIDES (I.E. PHOSGENE).

Hazardous Polymerization Indicator:
N/P

Conditions To Avoid Polymerization:
N/K

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