

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-75/75-72-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
75-72-9
Code:
M

RTECS:
PA6410000
Code:
M

Name:
METHANE, CHLOROTRIFLUORO-; (CHLOROTRIFLUOROMETHAN

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:
1

Control Measures

Respiratory Protection:
USE A NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS IN CASE OF EMERGENCY OR NON-ROUTINE USE.

Ventilation:
PROVIDE ADEQUATE AND LOCAL EXHAUST VENTILATION TO MAINTAIN CONCENTRATION BELOW EXPOSURE LIMITS.

Protective Gloves:
IMPERVIOUS GLOVES (FP N).

Eye Protection:
ANSI APPRVD CHEM WORKERS GOGGLES (FP N).

Other Protective Equipment:
Equipment SAFETY SHOES IF HANDLING CYLINDERS. EMERG EYE WASH &DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices:
NONE SPECIFIED BY MANUFACTURER. 3

Supplemental Safety and Health:
SPEC GRAV: 1.298 @-30C(H*2O=1). VP: 32.30 ATM @70C. EXPLO HAZ: UNDER FIRE CNDTNS. DECOMP MAY OCCUR. HNDLG/STOR PREC: TRUCK TO MOVE CYLS. OTHER PREC: W/ADEQ HAND TRUCK. CYLS SHOULD BE REFILLED BY QUALIFIED PRDCERS OF COMPRESSED GASES. SHIPMENT OF COMPRESSED GAS CYL WHICH HAS NOT BEEN FILLED BY OWNER OR W/HIS/HER (ING 2)

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
CHLOROFUOROCARBON (CFC) MATLS HAVE PRDCED SENSIT OF THE MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE A SIMILAR EFFECT IN HUMANS. ADRENOMIMETICS (IE, EPINEPHRINE) MAY BE CONTRA-INDICATED EXCE PT FOR LIFE-SUSTAINING USES IN HUMANS ACUTELY/CHRONICALLY EXPOSED TO CFCS (FP N). THIS MATL ACTS AS AN (EFTS OF OVEREXP)

Explanation Of Carcinogenicity:
NOT RELEVANT

Signs And Symptions Of Overexposure:
HLTH HAZ: ASPHYXIANT. SYMPTOMS INCLUDE RAPID RESPIRATION, MUSCLE INCOORDINATION, FATIGUE, NAUSEA & VOMITING. ALSO, CNS DEPRESSION, DIZZINESS, CONFUSION & LOSS OF CONSCIOUSNESS MAY OCCUR. LIQUID MAY CA USE FROSTBITE UPON CONTACT. CHRONIC: NONE KNOWN.

Medical Cond Aggravated By Exposure:
HEART CONDITIONS, CARDIOVASCULAR DISEASES.

First Aid:
INGEST: CALL MD IMMEDIATELY (FP N). INHAL: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF BREATHING HAS SPED, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SKIN/EYE CONTACT: IMME DIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING. CALL MD.

Spill Release Procedures:
VENTILATE AREA AND ELIMINATE SOURCES OF HEAT OR IGNITION AND REMOVE LEAKING CYLINDERS TO A SAFE OUT-OF-DOORS AREAS. ATTEMPT TO CLOSE VALVES OR REPAIR LEAK AT SOURCE.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS (FP N). RETURN CYLINDERS TO SUPPLIER FOR PROPER DISPOSAL WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED & 2 VALVE PROTECTION CAP IN PL ACE.

Handling And Storage Precautions:
STORE IN WELL VENT AREAS ONLY. KEEP VALVE PROT CAP ON CYL WHEN NOT IN USE & SECURE CYL WHEN USING TO PROTECT FROM FALLING. USE SUITABLE HAND (SUPDAT)

Other Precautions:
NO SMKNG IN AREA OF USE. DO NOT USE IN GEN VICIN OF ARC WELDING, OPEN FLAMES/HOT SURF. HEAT &/OR UV RADIA MAY CAUSE FORM OF CHLORIDES, FLUORIDES/PHOSGENE (FP N). PROTECT CNTNRS FROM PHYSICAL DMG. DO N OT DEFACE CYL/LABELS. MOVE CYL (SUPDAT)

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONFLAMMABLE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
USE WHAT IS APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:
WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). USE WATER SPRAY TO KEEP FIRE EXPOSED CYLINDERS COOL.

Unusual Fire/Explosion Hazard:
THERMAL DECOMP PRODS MAY INCL FLUORIDES, CHLORIDES & PHOSGENE (FP N). ALTHOUGH CYLS ARE EQUIPPED W/PRESS & TEMP RELIEF DEVICES, THEY MAY STILL RUPTURE (SUPDAT)

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
-115F,-81C

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
SUPDAT

Vapor Density:
3.61

Volatile Org Content %:

Spec Gravity:
SUPDAT

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
>1 (CCL*4=1)

Solubility in Water:
0.009% BY WT @ 25C

Appearance and Odor:
COLORLESS, ODORLESS GAS W/AN ETHEREAL ODOR AT HIGHER CONCENTRATIONS.

Percent Volatiles by Volume:
100

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
ALKALI OR ALKALINE EARTH METALS.

Hazardous Decomposition Products:
CHLORIDES, FLUORIDES &PHOSGENE (FP N). HYDROCHLORIC &HYDROFLUORIC ACID, POSSIBLE CARBONYL HALIDES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT

Toxicological Information

Information:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

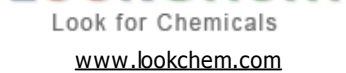
Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P



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