

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

ACGIH STEL:

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 CNDTS. DECOMP MAY OCCUR. HNDLG/STOR PREC: TRUCK TO MOVE CYLS. OTHER PREC: W/ADEQ HAND TRUCK. CYLS SHOULD BE REFILLED BY QUALIFIED PRDCRS OF COMPRESSED GASES. SHIPMENT OF COMPRESSED GAS CYL WHICH HAS NOT BEEN FILLED BY OWNER OR W/HIS/HER (ING 2)

Health Hazards Data

LD50/LC50 Mixture:

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:

CHLOROFLUOROCARBON (CFC) MATLS HAVE PRDCE SENSIT OF THE MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE A SIMILAR EFFECT IN HUMANS. ADRENOIMETICS (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 Symptoms Of Overexposure:

HLTH HAZ: ASPHYXANT. 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: IMMEDIATELY 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)

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

NONFLAMMABLE

Autoignition Temp:

N/A

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-15F-81C****Melt/Freeze Pt:****Melt/Freeze Pt:****N/P/F.P Text:****Decomp Temp:****Decomp Temp:****Decomp Text:****Decomp Pres:****SUPDAT:****Vapor Density:****3.61****Volatile Org Content %:****Volatile Org Content %:****Spec Gravity:****SUPDAT:****VOC Pounds/Gallon:****VOC Grams/Liter:****PH: N/K****VOC Grams/Liter:****Viscosity:**

N/P

Evaporation Rate & Reference:**>1 (CCL4=1)****(CCl4=1)****Colorless, Odorless Gas w/An Ethereal Odor at Higher Concentrations.****Percent Volatiles by Volume:**

100

Corrosion Rate:

N/P

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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 NOT DEFACE CYL/LABELS. MOVE CYL (SUPDAT)

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N/P

Flash Point:**Flash Point Text:**

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Autoignition Temp:

N/A

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N/A

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N/A

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N/A

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