

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-75/75-21-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
75-21-8
Code:
M

RTECS:
KX2450000
Code:
M

Name:
ETHYLENE OXIDE (SARA III)

Other REC Limits:
N/P

OSHA PEL:
1 PPM; SEE 1910.1047
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
1 PPM, A2; 9192
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
IF EXPOSD TLV,NIOSH/MESA APPR SELF-CNTND BRTHG APP (POS PR MODE)

Ventilation:
PROVIDE MECHAN(GEN/LOCAL EXHAUST)VENT TO MAINTN

Protective Gloves:
RUBBER/NEOPRENE

Eye Protection:
4 GOGGLES/FACE SHIELD

Other Protective Equipment:
Equipment FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION

Work Hygienic Practices:
N/P

Supplemental Safety and Health:
EFFECTS OF OVER EXP:NAUSEA,VOMITING,IRRITAT.OF NOSE,THROAT & LUNGS CUMULATIVE LUNG,LIVER & KIDNEY DAMAGE.MUTAGEN/SUSPECT CARVINOGEN.DIZZINESS WEAKNESS,NAUSEA,VOMITING,CHEST PAIN & NEUROTOXIC.

Health Hazards Data

LD50LC50Mixture:
N/P

Route Of Entry Inds - Inhalation:
N/P

Skin:
N/P

Ingestion:
N/P

Carcinogenicity Inds - NTP:
N/P

IARC:
N/P

OSHA:
N/P

Health Hazards Acute And Chronic:
N/P

Explanation Of Carcinogenicity:
N/P

Signs And Symptions Of Overexposure:
EYES:IRRITAT,SEVERE EYE DAMAGE.SKIN:SEVERE DERMATITIS WITH BLISTERS & BURNS,FROSTBITE.INHAL:SUPP DA

Medical Cond Aggravated By Exposure:
N/P

First Aid:
EYES:FLUSH THE EYES WITH WATER FOR 15 MIN & CONTACT A PHYSICIAN IMMEDIATELY.SKIN:WASH WITH SOAP AND WATER OR FLUSH THE AFFECTED AREAS WITH WATER CALL A DOCTOR.INHAL:-REMOVE TO FRESH AIR,CONTACT A PHYS ICIAN AS SOON AS POSSIBLE.

Spill Release Procedures:
EXTINGUISH ALL IGNITION SOURCES.EVACUATE AREA IMMEDIATELY.VENTILATE AREAS,USE NIOSH APPROVEDRESPIRATOR FOR E.O.IN ORDER TO CHECK THE CONCENTRATIONS.ENTER THE AREA ONLY WHEN IT IS AT SAFE LIMITS.

Neutralizing Agent:
N/P

Waste Disposal Methods:
USED CARTRIDGES:AERATE AN EMPTY CARTRIDGE AFTER A STERLIZATION CYCLE.DISPOSE OF IAW LOCAL,STATE, AND FEDERAL REGULATIONS.FOR UNUSED CARTRIDGES CONTACT A LOCAL LICENSED HAZARDOUS WASTE COMPANY EXPERT I N CLASS I FLAMMABLE LIQUIDS.

Handling And Storage Precautions:
3 KEEP ALL SOURCES OF IGNITION AWAY.STORE IN APPROVED AREA FOR CLASSI FLAMMABLE LIQUIDS PER NFPA.REQUIRES A WRITTEN EMERGENCY PLAN.

Other Precautions:
CHECK FOR LEAKING CYLINDERS.DO NOT SMOKE IN WORK AREA.AVOID INHALATION OF VAPORS & SKIN CONTACT.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
< 0.0F

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
3.0

Upper Limits:
100

Extinguishing Media:
CO*2 FOR SM.FIRES.POLYMER OR ALCOHOL FORMS FOR IAR.FIRES

Fire Fighting Procedures:
DIL.OF E.O.WITH 23 VOL. OF WATER RENDERS IT NON-FLAMMABLE

Unusual Fire/Explosion Hazard:
VAPORS OF E.O. WILL BURN WITHOUT PRESENCE OF AIR OR OTHER OXIDIZERS.

Physical/Chemical Properties

HCC:
G8

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
51.8F/11C

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/A

Vapor Pres:
1.5

Vapor Density:
1.5

Volatile Org Content %:

Spec Gravity:
0.9

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/D

Solubility in Water:
COMPLETE

Appearance and Odor:
COLORLESS GAS WITH A SWEETISH ODOR

Percent Volatiles by Volume:
100

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY THE MFR.

Materials To Avoid:
ALKALIES ACIDS WILL DECOMPOSE VIOLENTLY AT TEM. ABOVE 800F

Hazardous Decomposition Products:
CO CO*2.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE SPECIFIED BY THE MFR.

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