

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-78/78-10-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
78-10-4
Code:
M

RTECS:
VV9450000
Code:
M

Name:
ETHYL SILICATE

Other REC Limits:
N/P

OSHA PEL:
100 PPM
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
10 PPM; 9293
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
100 PPM TO 2%-FULL FACE MASK;ABOVE 2%SELF CONTAINED SYSTEM.

Ventilation:
LOCAL-YES

Protective Gloves:
IMPERVIOUS/RUBR

Eye Protection:
SAFETY/CHEM GOGGLES

Other Protective Equipment:
Equipment ORGANIC CANISTER. CLOTHING TO PROTECT FROM SKIN CONTACT.

Work Hygienic Practices:
N/P

Supplemental Safety and Health:
NOTE:OTHER COMPONENTS ARE SOAP & WATER. PRODUCT IS COMPLETELY EMULSIFIABLE IN WATER.

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:
ANETHESIA,CHRONIC EXPOSURE TO LOW LEVELS(OVER 100 PPM) POSSIBLE ORGANIC INJURY.

Medical Cond Aggravated By Exposure:
N/P

First Aid:
INHALATION-IF ILLNESS OCCURS,GET PATIENT TO FRESH AIR.KEEP HIM QUIET AND WARM.GET DOCTOR.SKIN AND EYES:FLUSH WITH PLENTY OF WATER AND GET MEDICAL ATTENTION.INGESTION-INDUCE VOMITING ONLY PER DOCTOR.

Spill Release Procedures:
4 SMALL SPILLS-MOP UP WITH ABSORBENT MATERIAL.LARGE SPILLS-EVACUATE AREA.FLUSH SPILL TO GROUND AND LET EVAPORATE.KEEP FROM WATER SUPPLY AND BLDGS.USE PROPER PROTECTIVE EQUIPMENT.

Neutralizing Agent:
N/P

Waste Disposal Methods:
KEEP IN COVERED CONTAINERS PENDING DISPOSAL (WILL EVAPORATE OTHERWISE:HAZARDOUS).DISPOSE IN FULL ACCORDANCE WITH APPLICABLE INTERNATIONAL,FEDERAL,STATE, & LOCAL REGS.

Handling And Storage Precautions:
AVOID BREATHING VAPORS.PROVIDE ADEQUATE VENTILATION TO CONTROL VAPORS TO 100 PPM OR LESS WHERE DALY EXPOSURE IS LIKELY.

Other Precautions:
DO NOT INCINERATE OPEN OR CLOSED DRUMS.DO NOT TAKE INTERNALLY.DO NOT STORE IN DIRECT SUNLIGHT.STORE IN COOL,DRY,WELL VENTILATED,LOW FIRE RISK AREA.PROTECT FORM PHYSICAL DAMAGE.

Fire and Explosion Hazard Information

Flash Point Method:
COC

Flash Point:

Flash Point Text:
86.0F,30.0C

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
FOG,CARBON DIOXIDE,DRY CHEMICAL

Fire Fighting Procedures:
EXPECT NOXIOUS FUMES:WEAR SELF CNTND BRTHG APP.

Unusual Fire/Explosion Hazard:
SEE DECOMP PRODUCTS.

Physical/Chemical Properties

HCC:
F5

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
164F,73.3C

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/A

Vapor Pres:
60

Vapor Density:
4.53

Volatile Org Content %:

Spec Gravity:
1.2 6

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/A

Solubility in Water:
SEE SUPP DA

Appearance and Odor:
AMBER COLORED LIQUID,CHLOROFOAM LIKE ODOR.

Percent Volatiles by Volume:
90

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
OPEN FLAMES,WELDING ARCS

Materials To Avoid:
STRONG ALKALIES:CAUSTIC SODA,POTASH

Hazardous Decomposition Products:
HIGH TEMP/OPEN FLAME GENERATES HCL;SM AMTS PHOSGENE,CHLORIDE

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/P

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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WARRANTY

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