

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-112/112-49-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

112-49-2

Code:

M

RTECS:

XF0665000

Code:

M

Name:

TRIETHYLENE GLYCOL DIMETHYL ETHER; TRIGLYME

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE APPROVED RESPIRATOR EQUIPMENT (AIR-PURIFYING, AIR-SUPPLIED/SCBA).

Ventilation:

LOCAL/GENERAL: WILL DEPEND ON THE CONDITIONS OF USE, QUANTITY OF MATERIAL & OTHER OPERATING PARAMETERS.

Protective Gloves:

CHEMICAL RESISTANT/NEOPRENE

Eye Protection:

SAFETY GLASSES/GOGGLES/FACE SHIELD

Other Protective Equipment:

Equipment EYE WASH FOUNTAINS, SAFETY SHOWERS, CHEMICAL RESISTANT CLOTHING.

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. REMOVE/DISCARD CONTAMINATED SHOES.

Supplemental Safety and Health:

FIRE & EXPLOSION CONT'D: CAN FORM HEAT SENSITIVE PEROXIDES WHICH COULD EXPLODE DURING CONCENTRATION/EVAPORATION.

Health Hazards Data

LD50/LC50 Mixture:

N/P

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

EYES/SKIN: GI TRACT IRRITATION. MUCOUS MEMBRAN IRRITANT, CNS DEPRESSANT.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

IRRITATION, HEADACHE, NAUSEA, GI TRACT DISCOMFORT.

Medical Cond Aggravated By Exposure:

INDIVIDUALS SUSCEPTIBLE TO DERMATITIS. ITS RECOMMENDED THAT WOMEN OF CHILD BEARING POTENTIAL BE PROTECTED FROM EXPOSURE.

First Aid:

INHALATION: IMMEDIATELY REMOVE TO FRESH AIR. GIVE MOUTH TO MOUTH/CPR, IF NEEDED. EYES: RINSE W/COPIOUS AMOUNTS OF WATER FOR 15 MINS. SKIN: FLUSH THOROUGHLY FOR 15 MINS. WASH W/SOAP & WATER. INGESTION: NEVER INDUCE VOMITING/GIVE ANYTHING BYMOUTH TO AN UNCONSCIOUS/CONVULSIVE PERSON. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

PROTECT FROM IGNITION. WEAR PROTECTIVE CLOTHING & USE APPROVED RESPIRATOR EQUIPMENT. ABSORB MATERIAL IN AN ABSORBENT RECOMMENDED FOR SOLVENTS & REMOVE TO A SAFE LOCATION FOR DISPOSAL.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE IN A PROTECTED & SECURE FLAMMABLE LIQUID STORAGE ROOM. AVOID OPEN CONTAINERS & POOR VENTILATION.

Other Precautions:

DON'T OPEN CONTAINER IF PEROXIDE CRYSTALS FORM IN LIQUID/AROUND CLOSURE. DON'T CONCENTRATE IF PEROXIDE CONCENTRATIONS EXCEED 0.01%/100 PPM. GROUND & BOND METAL CONTAINERS TO MINIMIZE STATIC SPARKS. 2

Fire and Explosion Hazard Information

Flash Point Method:

CC

Flash Point:**Flash Point Text:**

231.8F

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

CO₂, DRY CHEMICAL, FOAM, WATER MIST/FOG.

Fire Fighting Procedures:

WEAR FULL PROTECTIVE CLOTHING & SCBA. KEEP FIRE-EXPOSED CONTAINERS COOL W/WATER SPRAY.

Unusual Fire/Explosion Hazard:

HEAT WILL BUILD PRESSURE & MAY RUPURE CLOSED STORAGE CONTAINERS. AUTOIGNITION TEMP: 374F. VOLATILE & FLAMMABLE. (SEE SUP)

Physical/Chemical Properties

HCC:**NRC/State Lic No:****Net Prop WT For Ammo:**

3

Boiling Point:

420.8F

Melt/Freeze Pt:

420.8F

420/F.P Text:

420.8F

Decomp Temp:

N/A

Decomp Text:

N/K

Vapor Pres:

0.02

Vapor Density:

6.1

Volatile Org Content %:**Spec Gravity:**

0.9662

VOC Pounds/Gallon:**PH: N/K**

PH: N/K

VOC Grams/Liter:**VOC Pounds/Liter:**

0.02

Viscosity:

N/P

Evaporation Rate & Reference:**(EPA AC = 1) Rate & Reference:**

1

Solubility in Water:

COMPLETE

Appearance and Odor:

CLEAR COLORLESS LIQUID W/A VERY MILD ETHER-LIKE ODOR.

Percent Volatiles by Volume:

100

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

HEAT, SPARKS, OPEN FLAME, TEMP EXTREMES, DIRECT SUNLIGHT, AIR.

Materials To Avoid:

OXIDIZING AGENTS & STRONG ACIDS.

Hazardous Decomposition Products:

CO & TOXIC VAPORS, EXPLOSIVE PEROXIDES CAN FORM AFTER STANDING/UPON EXPOSURE TO AIR/DIRECT SUNLIGHT.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:**N/P**

MSDS Transport Information

Information:

Other Information

Other Information:

N/P

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