

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-286/28677-93-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
28677-93-2
Code:
M

RTECS:

Code:
X

Name:
PROPYLENE GLYCOL METHYL ETHER

Other REC Limits:
NOT ESTABLISHED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:
MECHANICAL (GENERAL) ROOM VENTILATION IS ADEQUATE IF USE IS ENCLOSED. LOCAL EXHAUST IS NEEDED IF VENTED INTO WORK AREA.

Protective Gloves:
NEOPRENE, NITRILE, PVC OR NATURAL RUBBER

Eye Protection:
SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:
Equipment EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:
OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. AVOID PROLONGED/REPEATED CONTACT.

Supplemental Safety and Health:
THIS MSDS COVERS ONE OF THE HYSOL HARDENERS.

Health Hazards Data

LD50LC50Mixture:
ACUTE ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
PRODUCT CAUSES EYE, SKIN & RESPIRATORY TRACT IRRITATION. IT MAY BY ABSORBED THROUGH THE SKIN, BUT TOXICITY OF THE INGREDIENT ABSORBED IS LOW, 13-14 GM/KG.

Explanation Of Carcinogenicity:
NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Signs And Symptions Of Overexposure:
MAY CAUSE DIZZINESS, NAUSEA, ANESTHESIA, HEADACHE, AND CENTRAL NERVOUS SYSTEM DEPRESSION. MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION.

Medical Cond Aggravated By Exposure:
PERSONS WITH A HISTORY OF DERMAL OR RESPIRATORY DISORDERS MAYBE AT INCREASED RISK FROM EXPOSURE. 3

First Aid:
INHALATION: REMOVE TO FRESH AIR. CALL A PHYSICIAN IF DISCOMFORT PERSISTS. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN: WASH WITH PLENTY OF SOAP & WATER. REM OVE CONTAMINATED CLOTHING/SHOES AND LAUNDER BEFORE REUSE. INGESTION: IF CONSCIOUS, GIVE 2 GLASSES OF WATER TO DRINK AND INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL CARE.

Spill Release Procedures:
SMALL SPILL: WIPE/SOAK UP WITH PAPER TOWEL OR INERT ABSORBANT. PUT IN DISPOSAL CONTAINER. FLUSH RESIDUE WITH WATER.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
DISPOSE I/A/W FERERAL,STATE,LOCAL REGULATIONS. HMIS SUGGESTS INCINERATION.

Handling And Storage Precautions:
STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:
N/K

Fire and Explosion Hazard Information

Flash Point Method:
TCC

Flash Point:

Flash Point Text:
94.0F,34.4C

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
UNKNOWN

Upper Limits:
UNKNOWN

Extinguishing Media:
USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

Fire Fighting Procedures:
4 FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:
CONTAINERS MAY BURST WHEN EXPOSED TO HEAT OF FIRE.

Physical/Chemical Properties

HCC:
F4

NRC/State LIC No:
N/R

Net Prop WT For Ammo:
5

Boiling Point:

B.P. Text:
248F,120C

Melt/Freeze Pt:

M.P/F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
12 MM

Vapor Density:
4

Volatile Org Content %:

Spec Gravity:
1.05

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
22 (ETHYL ETHER)

Solubility in Water:
30%

Appearance and Odor:
LOW VISCOSITY AMBER LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:
40

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Materials To Avoid:
STRONG ACIDS,CAUSTICS,AMINES,AMMONIA,ISOCYANATES

Hazardous Decomposition Products:
CARBON MONOXIDE, CARBON DIOXIDE AND OXIDES OF NITROGEN.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

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