

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

ACGIH STEL:

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

LD50/LC50 Mixture:

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 BE 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 Symptoms 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. REMOVE 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 INSERT 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:

14 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 %:**Voc Gravity:**

1.05

PH:

N/K

VOC Grams/Liter:

0

Viscosity:

N/P

Evaporation Rate & Reference:

22 (ETHYL ETHER)

Solubility in Water:

20%

Appearance and Odor:

LOW VISCOSITY AMBER LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:

40

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Conditions 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

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Registry Information:

N/P

State Regulatory Information:

N/P

Other Information

Other Information:

N/P

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