

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-770/770-35-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

770-35-4

**Code:**

M

**RTECS:****Code:**

X

**Name:**

PROPYLENE GLYCOL PHENYL ETHER \*93-4\*

**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:**

FOR STRONG VAPOR OR MIST, ORGANIC VAPOR CHEMICAL CARTRIDGE RESPIRATORS. AVOID BREATHING VAPORS.

**Ventilation:**

3 LOCAL EXHAUST: WELL VENTILATED AREA. MECHANICAL: HOOD

**Protective Gloves:**

BUTYL RUBBER

**Eye Protection:**

GOGGLES

**Other Protective Equipment:**

Equipment RUBBER APRON

**Work Hygienic Practices:**

HANDLE W/CARE. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**

BACTERIAL DECOMPOSITION OF DIMETHYL SULFOXIDE DURING WASTEWATER TREATMENT CAN RESULT IN THE RELEASE OF DIMETHYL SULFIDE (A VOLATILE SUBSTANCE WITH A STRONG DISAGREEABLE ODOR)

## Health Hazards Data

**LD50/LC50 Mixture:**

N/K

**Route Of Entry Inds - Inhalation:**

NO

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

EYES/SKIN: IRRITATION. INHALATION: HEADACHE, NAUSEA, DIZZINES, SEDATION.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

INHALATION: DIARRHEA, DISTURBANCES IN COLOR VISION, BLOODY URINE, KIDNEY OR LIVER DAMAGE. SKIN: DERMATITIS.

**Medical Cond Aggravated By Exposure:**

2 SKIN DISEASE.

**First Aid:**

INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS SPED, PROVIDE ARTIFICIAL RESPIRATION. CALL PHYS. SKIN: WASH CONTAMINATED SKIN. EYES: FLUSH W/WATER FOR 15 MINS. INGESTION: DON'T INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**

REMOVE IGNITION SOURCES. VENTILATE THE AREA. DON'T BREATH THE VAPOR OR GET LIQUID IN/ON EYE/SKIN. FOR LARGE SPILLS WEAR SCBA W/FULL FACEPIECE & PROTECTIVE CLOTHING. DILUTE, & FLUSH TO WASTEWATER TREATMENT. DON'T ALLOW TO ENTER WATERWAYS.

**Neutralizing Agent:**

N/K

**Waste Disposal Methods:**

DILUTE/FLUSH TO AN APPROVED WASTE WATER TREATMENT SYSTEM IN ACCORDANCE W/FEDERAL, STATE, AND LOCAL REGULATIONS. FILTER OFF SOLIDS; DILUTE WITH AT LEAST 10 TIMES ITS VOLUME OF WATER BEFORE DISPOSING IN DRAINS.

**Handling And Storage Precautions:**

DON'T BREATH VAPORS OR MIST. AVOID ALL CONTACT W/EYES OR SKIN. DON'T SMOKE IN AREAS OF STORAGE USE. WEAR THE APPROPRIATE PROTECTIVE EQUIPMENT.

**Other Precautions:**

STORE AWAY FROM OXIDIZING AGENTS IN A WELL-VENTILATED, COOL/DRY AREA FAR FROM IGNITION SOURCES/HEAT. WASH THOROUGHLY AFTER HANDLING. AVOID DRIPPING ONTO HOT SURFACE. USE ELECTRIC HEATING MANTLE. MAY SOLIDIFY WHEN STORED BELOW 65F.

## Fire and Explosion Hazard Information

**Flash Point Method:**

OC

**Flash Point:**

203F

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

3.0%

**Lower Limits:**

6.3%

**Upper Limits:**

2.7

**Extinguishing Media:**

WATER FOG, ALCOHOL, FOAM, CO2, DRY CHEMICAL

**Fire Fighting Procedures:**

WEAR PROTECTIVE CLOTHES, GOGGLES, SCBA.

**Unusual Fire/Explosion Hazard:**

BURNING DIMETHYL SULFOXIDE PRODUCES POISONOUS GASES WEAR GOGGLES, SCBA & RUBBER SUIT & GLOVES.

## Physical/Chemical Properties

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

NO

**Boiling Point:**

372F

**Melt/Freeze Pt:**

N/K

**Decomp Temp:**

NO

**Decomp Text:**

N/K

**Vapor Pres:**

0.46

**Vapor Density:**

2.7

**Volatile Org Content %:**

100

**Spec Gravity:**

1.096

**VOC Pounds/Gallon:**

NO

**PH:**

N/K

**VOC Grams/Liter:**

NO

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

N/K

**Solubility in Water:**

NO

**PINK LIQUID, FRUITY ODOR:**

NO

**Percent Volatiles by Volume:**

100

**Corrosion Rate:**

N/K

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

PROLONGED HEATING >300F

**Materials To Avoid:**

STRONG OXIDIZING AGENTS & ALKALI METALS.

**Hazardous Decomposition Products:**

CO, CO2, SULFUR DIOXIDES, FORMALDEHYDE, METHYL MERCAUTAN, NOXIOUS VAPORS.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

NONE

## 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:**

N/P



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