

SECTION 1: Identification

1.1. Identification

Product form	: Substance
Substance name	: Glycol Ether TPM
CAS-No.	: 25498-49-1
Synonyms	: (2-(2-Methoxy methyl ethoxy) Methylethoxy) Propanol; Propanol, (2(2-Methoxymethlethoxy) Methylethoxy), Tripropylene Glycol Methyl Ether

1.2. Recommended use and restrictions on use

Recommended use	: Solvent
Restrictions on use	: No data available

1.3. Supplier

ECOLINK

2177 Flintstone Drive
Suite A
Tucker, GA 30084
770-621-8240 (t)
www.ecolink.com

1.4. Emergency telephone number

Emergency number : **INFOTRAC** 800-535-5053

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Specific target organ toxicity (single exposure) H336 May cause drowsiness or dizziness
Category 3

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H336 - May cause drowsiness or dizziness
Precautionary statements (GHS-US) : P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 - Use only outdoors or in a well-ventilated area.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P312 - Call a poison center or doctor if you feel unwell
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container in ...

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : No additional information available.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Glycol Ether TPM

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%	GHS-US classification
Tripropylene Glycol Monomethyl Ether (Main constituent)	(CAS-No.) 25498-49-1	97 -100	STOT SE 3, H336

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : Call a poison center/doctor/physician if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen provided a qualified individual is present. Get medical attention if irritation persists.
- First-aid measures after skin contact : Wash skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation persists.
- First-aid measures after eye contact : Rinse eyes with water as a precaution for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical assistance if irritation persists.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : May cause drowsiness or dizziness.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Use water spray, dry chemical, carbon dioxide, sand/ earth or alcohol resistant foam. Do NOT use direct water stream-may spread fire. Use water to cool exposed containers.

5.2. Specific hazards arising from the chemical

- Specific hazards : Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.
- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and clothing. Keep unnecessary personnel away. Remove all sources of ignition. Wear personal protection equipment.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Large spills should be collected mechanically (remove by pumping) for disposal.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

Glycol Ether TPM

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid ingestion and inhalation. Ground/ Bond containers when transferring material to avoid static discharges. Do Not use compressed air for filling, discharging, or handling operations. Use only in well-ventilated area. Use only non-sparking tools. Empty containers retain product residue (liquid and/ or vapor), and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to sources of ignition. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Keep away from heat, sparks, flame and other sources of ignition.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No exposure limits established.

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. An emergency eye wash / shower must be readily accessible to the work area.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves.

Wear appropriate protective gloves and clothing to prevent skin exposure.

Recommended glove material: PVC, butyl/ neoprene rubber, or ethyl vinyl alcohol laminate. Always seek advice from glove suppliers.

Eye protection:

Safety glasses.

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Follow the OSHA respirator regulations found in 29 CFR 1910.133.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Color : Clear, colorless
- Odor : Ether
- Odor threshold : No data available
- pH : No data available
- Melting point/ Freezing point : -77.8 °C
- Boiling point : 242.8 °C
- Flash point : 124 °C
- Relative evaporation rate (butyl acetate=1) : <1
- Flammability /Explosive limits : 0.8 – 8.5 (V) %
- Vapor pressure : <0.133 hPa @ 25 °C

Glycol Ether TPM

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Vapor density	: 7.1 @ 15 – 32 °C
Relative density	: No data available
Specific gravity / density	: 0.965 g/cm ³
Solubility	: Completely soluble
Log Pow	: No data available
Auto-ignition temperature	: 277 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: 6.71 mm ² /s
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Molecular Weight	: 206.28 g/ mol

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Thermally stable at typical use temperatures. Polymerization will not occur. Glycol ethers can be peroxide formers.

10.4. Conditions to avoid

Avoid heat, sparks, open flames and other sources of ignition. Exposure to air. Do not distill to dryness.

10.5. Incompatible materials

Strong oxidizing agents, aluminum acids, strong acid/ bases, and salts of strong bases. Moisture and humidity.

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: May be harmful if swallowed. Ingestion of very large amounts may cause CNS depression, respiratory failure, and death in cases in cases of severe over-exposure.
Acute toxicity (dermal)	: Causes mild skin irritation.
Acute toxicity (inhalation)	: Low toxicity by inhalation.
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: May cause drowsiness or dizziness.
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: 6.71 mm ² /s
Symptoms/effects	: May cause drowsiness or dizziness.

Glycol Ether TPM

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

Readily Biodegradable.

12.3. Bioaccumulative potential

Low potential for bioaccumulation.

12.4. Mobility in soil

Potential for mobility in soil is very high. Dissolves in water.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. Empty containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport information

Department of Transportation (DOT)

Product is not regulated for transport per 49 CFR.

Transportation of Dangerous Goods

Transport by sea

Air transport

SECTION 15: Regulatory information

15.1. US Federal regulations

Glycol Ether TPM (25498-49-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure)
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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

Glycol Ether TPM

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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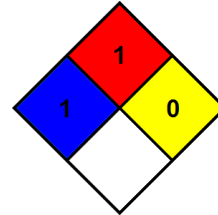
Full text of H-phrases:

H336	May cause drowsiness or dizziness
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NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

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