



Univar  
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Downers Grove, IL 60515  
425-889-3400

## SAFETY DATA SHEET

### 1. Identification

Product identifier: GLYCOL ETHER PM

#### Other means of identification

SDS number: 000100000022

#### Recommended use and restriction on use

Recommended use: Not available.

Restrictions on use: Not known.

Emergency telephone number:For emergency assistance Involving chemicals

call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

### 2. Hazard(s) identification

#### Hazard classification

##### Physical hazards

Flammable liquids

Category 3

#### Label elements

Hazard symbol



Signal word

Warning

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Revision date: 05/04/2015



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<b>Hazard statement</b>	Flammable liquid and vapor. Causes skin and eye irritation. Causes damage to organs.
<b>Precautionary statement</b>	
<b>Prevention</b>	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use ... to extinguish.
<b>Storage</b>	Store in well-ventilated place. Store in a dry place.
<b>Disposal</b>	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
<b>Other hazards which do not result in GHS classification</b>	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

### 3. Composition/information on ingredients

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#### Substances

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
1-Methoxypropan-2-ol		107-98-2	100%
1-Propanol, 2-methoxy-	, 2-Methoxy-1-propanol	1589-47-5	0.5%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments:** The components are not hazardous or are below required disclosure limits.

#### 4. First-aid measures

**General information:** CAUTION! First aid personnel must be aware of own risk during rescue!

**Ingestion:** Do NOT induce vomiting. Never give liquid to an unconscious person. Get medical attention.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.

**Skin contact:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Eye contact:** If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** No data available.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** No data available.

#### 5. Fire-fighting measures

**General fire hazards:** No data available.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use: Water spray, fog, CO2, dry chemical, or regular foam.

**Unsuitable extinguishing media:** No data available.

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**Specific hazards arising from the chemical:** Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back. Closed containers may rupture violently when heated. Thermally unstable. Flammable liquid. Combustion may produce irritants and toxic gases.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** No data available.

#### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Keep unauthorized personnel away.

**Methods and material for containment and cleaning up:** All equipment used when handling the product must be grounded. Eliminate sources of ignition. Absorb spillage with non-combustible, absorbent material. Dike for later disposal.

#### 7. Handling and storage

**Precautions for safe handling:** Flammable/combustible - Keep away from oxidizers, heat and flames. Do not get in eyes and avoid contact with skin and clothing. Use only with adequate ventilation. Avoid breathing mists or vapors.

**Conditions for safe storage, including any incompatibilities:** No data available.



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**8. Exposure controls/personal protection**

Control parameters

Occupational exposure limits

Chemical identity	Type	Exposure Limit values	Source
1-Methoxypropan-2-ol	TWA	50 ppm	US. ACGIH Threshold Limit Values (03 2013)
	STEL	100 ppm	US. ACGIH Threshold Limit Values (03 2013)
	REL	100 ppm      360 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm      540 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm      540 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm      360 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm      380 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm      540 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL	370 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	3,700 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	1,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	100 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	100 ppm      360 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	150 ppm      540 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne

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			Contaminants (02 2012)
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Appropriate engineering controls No data available.

**Individual protection measures, such as personal protective equipment**

**General information:** Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. Practice good housekeeping.

**Eye/face protection:** No data available.

**Skin protection**

**Hand protection:** No data available.

**Other:** No data available.

**Respiratory protection:** No data available.

**Hygiene measures:** No data available.

**9. Physical and chemical properties**

**Physical state:** Liquid

**Form:** No data available.

**Color:** No data available.

**Odor:** No data available.

**Odor threshold:** No data available.

**pH:** No data available.

**Melting point/freezing point:** -97 °C

**Initial boiling point and boiling range:** 120 °C

**Flash Point:** 31 °C

**Evaporation rate:** No data available.

**Flammability (solid, gas):** No data available.

**Upper/lower limit on flammability or explosive limits**

**Flammability limit - upper (%):** No data available.

**Flammability limit - lower (%):** No data available.

**Explosive limit - upper (%):** No data available.

**Explosive limit - lower (%):** No data available.

**Vapor pressure:** No data available.

**Vapor density:** No data available.

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Relative density: No data available.  
Solubility(ies)  
    Solubility in water: No data available.  
    Solubility (other): No data available.  
Partition coefficient (n-octanol/water): No data available.  
Auto-ignition temperature: No data available.  
Decomposition temperature: No data available.  
Viscosity: No data available.

#### 10. Stability and reactivity

Reactivity: No data available.  
Chemical stability: No data available.  
Possibility of hazardous reactions: No data available.  
Conditions to avoid: No data available.  
Incompatible materials: No data available.  
Hazardous decomposition products: No data available.

#### 11. Toxicological information

##### Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: No data available.  
Inhalation: No data available.  
Skin contact: No data available.  
Eye contact: No data available.

##### Information on toxicological effects

###### Acute toxicity (list all possible routes of exposure)

###### Oral

Product: Not classified for acute toxicity based on available data.

###### Dermal

Product: Not classified for acute toxicity based on available data.

###### Inhalation

Product: No data available.

##### Specified substance(s):

1-Methoxypropan-2-ol LC 50 (Rat, 4 h): 54.6 mg/l LC Lo (Guinea pig, ): 54.6 mg/l (, No) 2 (reliable with restrictions) LC Lo (Rabbit, ): 54.6 mg/l (, No) 2 (reliable with

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restrictions)

**Repeated dose toxicity**  
Product: No data available.

**Skin corrosion/irritation**  
Product: No data available.

**Serious eye damage/eye irritation**  
Product: No data available.

**Respiratory or skin sensitization**  
Product: No data available.

**Carcinogenicity**  
Product: No data available.  
**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**  
No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**  
No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**  
No carcinogenic components identified

**Germ cell mutagenicity**  
**In vitro**  
Product: No data available.  
**In vivo**  
Product: No data available.

**Reproductive toxicity**  
Product: No data available.

**Specific target organ toxicity - single exposure**  
Product: No data available.

**Specific target organ toxicity - repeated exposure**  
Product: No data available.

**Aspiration hazard**  
Product: No data available.

**Other effects:** No data available.

## 12. Ecological information

**Ecotoxicity:**  
**Acute hazards to the aquatic environment:**  
**Fish**  
Product: No data available.  
**Aquatic invertebrates**



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<b>Product:</b>	No data available.
<b>Chronic hazards to the aquatic environment:</b>	
<b>Fish</b>	
<b>Product:</b>	No data available.
<b>Aquatic invertebrates</b>	
<b>Product:</b>	No data available.
<b>Toxicity to Aquatic Plants</b>	
<b>Product:</b>	No data available.
<b>Persistence and degradability</b>	
<b>Biodegradation</b>	
<b>Product:</b>	No data available.
<b>BOD/COD ratio</b>	
<b>Product:</b>	No data available.
<b>Bioaccumulative potential</b>	
<b>Bioconcentration factor (BCF)</b>	
<b>Product:</b>	No data available.
<b>Partition coefficient n-octanol / water (log Kow)</b>	
<b>Product:</b>	No data available.
<b>Mobility in soil:</b>	No data available.
<b>Known or predicted distribution to environmental compartments</b>	
1-Methoxypropan-2-ol	No data available.
2-Methoxypropanol	No data available.

### 13. Disposal considerations

<b>Disposal instructions:</b>	No data available.
<b>Contaminated packaging:</b>	No data available.

### 14. Transport information

#### DOT

UN number:	UN 3092
UN proper shipping name:	1-Methoxy-2-propanol
Transport hazard class(es)	
Class:	3
Label(s):	3
Packing group:	III
Marine Pollutant:	Not regulated.

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Special precautions for user: -

**IMDG**

UN number: UN 3092  
UN proper shipping name: 1-METHOXY-2-PROPANOL  
Transport hazard class(es)  
Class: 3  
Label(s): 3  
EmS No.: F-E, S-D  
Packing group: III  
Marine Pollutant: Not regulated.  
Special precautions for user: -

**IATA**

UN number: UN 3092  
Proper Shipping Name: 1-Methoxy-2-propanol  
Transport hazard class(es):  
Class: 3  
Label(s): 3  
Packing group: III  
Environmental hazards: Not regulated.  
Special precautions for user: -  
Other information  
Passenger and cargo aircraft: Allowed.  
Cargo aircraft only: Allowed.

#### 15. Regulatory information

**US federal regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

1-Methoxypropan-2-ol Reportable quantity: 100 lbs.

**Superfund amendments and reauthorization act of 1986 (SARA)**

**Hazard categories**

Not listed.

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**SARA 302 Extremely hazardous substance**

None present or none present in regulated quantities.

**SARA 304 Emergency release notification**

<u>Chemical identity</u>	<u>RQ</u>
1-Methoxypropan-2-ol	100 lbs.

**SARA 311/312 Hazardous chemical**

<u>Chemical identity</u>	<u>Threshold Planning Quantity</u>
1-Methoxypropan-2-ol	500 lbs

**SARA 313 (TRI reporting)**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**US state regulations**

**US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

**US. New Jersey Worker and Community Right-to-Know Act**

1-Methoxypropan-2-ol Listed

**US. Massachusetts RTK - Substance List**

1-Methoxypropan-2-ol Listed

**US. Pennsylvania RTK - Hazardous Substances**

1-Methoxypropan-2-ol Listed

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

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<b>Inventory Status:</b> Australia AICS:	Not in compliance with the inventory.
Canada DSL Inventory List:	Not in compliance with the inventory.
EU EINECS List:	Not in compliance with the inventory.
EU ELINCS List:	Not in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
EU No Longer Polymers List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	Not in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.

**16. Other information, including date of preparation or last revision**

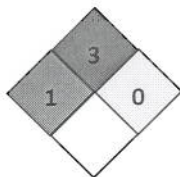
**HMIS Hazard ID**

Health	*	1
Flammability		3
Physical hazards		0
<b>PERSONAL PROTECTION</b>		<b>B</b>

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*Chronic health effect

**NFPA Hazard ID**



Flammability
Health
Reactivity
Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

**Issue date:** 05/04/2015  
**Revision date:** No data available.  
**Version #:** 1.0  
**Further information:** No data available.