

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.01.2021

Revision: 24.01.2021

## 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** MONO PROPYLENE GLYCOL
- **CAS Number:**  
57-55-6
- **EC number:**  
200-338-0
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** Petrochem Middle East FZE – Dubai
- **Further information obtainable from:**

HEALTH	1
FIRE	1
REACTIVITY	0

Product safety department.  
sales@petrochem.com

## 2 Hazards identification

- **Classification of the substance or mixture**



Acute Tox. 4 H302 Harmful if swallowed.

- **Label elements**
- **GHS label elements**  
The substance is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**  
Harmful if swallowed.
- **Precautionary statements**  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
**IF SWALLOWED:** Call a POISON CENTER/doctor if you feel unwell.  
Rinse mouth.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

AE

(Contd. on page 2)

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(Contd. of page 1)

### 3 Composition/information on ingredients

- **Chemical characterisation: Substances**
- **CAS No. Description**  
57-55-6 propane-1,2-diol
- **Identification number(s)**
- **EC number: 200-338-0**

### 4 First aid measures

- **Description of first aid measures**
- **General information: No special measures required.**
- **After inhalation: Supply fresh air; consult doctor in case of complaints.**
- **After skin contact: Generally the product does not irritate the skin.**
- **After eye contact: Rinse opened eye for several minutes under running water.**
- **After swallowing: If symptoms persist consult doctor.**
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed No further relevant information available.**
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.**
- **Special hazards arising from the substance or mixture No further relevant information available.**
- **Advice for firefighters**
- **Protective equipment: No special measures required.**

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures Not required.**
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
No dangerous substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling No special measures required.**
- **Information about fire - and explosion protection: No special measures required.**

(Contd. on page 3)

# Safety data sheet

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(Contd. of page 2)

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

### 57-55-6 Propylene glycol

WEEL (USA)	10 mg/m <sup>3</sup>
WEL (Great Britain)	474* 10** mg/m <sup>3</sup> , 150* ppm
	*total vapour and particulates **particulates

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

<b>Form:</b>	Oily
<b>Colour:</b>	Colourless
<b>Odour:</b>	Nearly odourless
<b>Odour threshold:</b>	Not determined.

· **pH-value (- g/l) :** neutral

· **Change in condition**

**Melting point/freezing point:** -68 °C

(Contd. on page 4)

# Safety data sheet

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Revision: 24.01.2021

Trade name: **MONO PROPYLENE GLYCOL**

(Contd. of page 3)

<b>Initial boiling point and boiling range:</b> 185 °C	
· <b>Flash point:</b>	> 100 °C
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Ignition temperature:</b>	371 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Not determined.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	2.6 Vol %
Upper:	12.6 Vol %
· <b>Vapour pressure at 20 °C:</b>	0.11 hPa
· <b>Density at 20 °C:</b>	1.0362 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Fully miscible.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic at 25 °C:	46 mPas
Kinematic:	Not determined.
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

### · LD/LC50 values relevant for classification:

Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	20800 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.

(Contd. on page 5)

-AE

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(Contd. of page 4)

· **Additional toxicological information:**

*When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.*

*The substance is not subject to classification according to the latest version of the EU lists.*

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** *No further relevant information available.*

· **Persistence and degradability** *No further relevant information available.*

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** *No further relevant information available.*

· **Mobility in soil** *No further relevant information available.*

· **Additional ecological information:**

· **General notes:**

*Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water*

*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

· **Other adverse effects** *No further relevant information available.*

## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation** *Smaller quantities can be disposed of with household waste.*

· **Uncleaned packaging:**

· **Recommendation:** *Disposal must be made according to official regulations.*

· **Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

## 14 Transport information

· **UN-Number**

· **ADR, ADN, IMDG, IATA** *Void*

· **UN proper shipping name**

· **ADR, ADN, IMDG, IATA** *Void*

· **Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** *Void*

· **Packing group**

· **ADR, IMDG, IATA** *Void*

· **Environmental hazards:**

· **Marine pollutant:** *No*

· **Special precautions for user**

*Not applicable.*

· **Transport in bulk according to Annex II of Marpol and the IBC Code**

*Not applicable.*

(Contd. on page 6)

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Revision: 24.01.2021

Trade name: **MONO PROPYLENE GLYCOL**

(Contd. of page 5)

· UN "Model Regulation":

Void

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **GHS label elements**  
The substance is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**  
Harmful if swallowed.
- **Precautionary statements**  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
Rinse mouth.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Product safety department.
- **Contact:** PME
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity - oral – Category 4

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