

## **MONO PROPYLENE GLYCOL**

### **1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY**

#### **1.1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION:**

**Trade name:** Mono Propylene Glycol

#### **1.2 IDENTIFICATION OF THE COMPANY:**

RAR Resin & Chemical Industries JLT  
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Fax: +971 4 4356518 Website: www.rarresin.com

### **2 COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical characterization:**

**CAS No. Description:** 57-55-6 Propane-1, 2-diol

**Identification number(s)**

**EINECS Number:** 200-338-0

### **3 HAZARDS IDENTIFICATION**

**Hazard description:** Not applicable.

**Information concerning particular hazards for human and environment:** Not applicable.

### **4 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.

### **5 FIRE FIGHTING MEASURES**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**Protective equipment:** No special measures required.

### **6 ACCIDENTAL RELEASE MEASURES**

**Person-related safety precautions:** No required.

**Measures for environmental protection:**

Dilute with plenty of water.

Do not allow to enter sewers / surface or ground water.

**Measures for cleaning / collecting:** Dilute with plenty of water.

**Additional information:** No dangerous substances are released.

### **7 HANDLING AND STORAGE**

**Handling:**

**Information for safe handling:** No special requirement

**Information about fire-and explosion protection:** No special measures required.

#### **DISCLAIMER**

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

## Storage:

<b>Requirements to be met by storerooms and receptacles:</b>	No special requirements
<b>Information about storage in one common storage facility:</b>	Not required.
<b>Further information about storage conditions:</b>	None.
<b>Information about fire - and explosion protection:</b>	No special measures required.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Additional information about design of technical systems:** No further data;

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

**57-55-6 propane-1, 2-diol**

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.

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** No 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 by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Goggles recommended during refilling

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**General Information:**

<b>Form:</b>	Oily
<b>Colour:</b>	Colourless
<b>Odour:</b>	Nearly odourless

**Change in condition**

<b>Melting point / Melting range:</b>	-68°C
<b>Boiling point / Boiling range:</b>	185°C
<b>Flash point:</b>	> 100°C
<b>Ignition temperature:</b>	371°C
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	2.6 Vol %
<b>Upper:</b>	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>Solubility in / Miscibility with water:</b>	Fully miscible.
<b>pH-value (-g/l):</b>	neutral
<b>Dynamic at 25°C:</b>	46 mPas

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## 10 STABILITY AND REACTIVITY

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Dangerous reactions:** No dangerous reactions known.

**Dangerous decomposition products:** No dangerous decomposition products known.

## 11 TOXICOLOGICAL INFORMATION

**Acute toxicity:**

**LD/LC50 values relevant for classification:**

Oral LD50 2000 mg/kg (rat)

Inhalative LC50 20800 mg/l (rabbit)

**Primary irritant effect:**

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

**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

**General notes:**

Water hazard class 2 (Assessment by list): hazardous for water

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

## 13 DISPOSAL CONSIDERATIONS

**Product:**

**Recommendation**

Smaller quantities can be disposed of with household waste.

**Unclean packaging:**

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

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

## 14 TRANSPORT INFORMATION

**Land transport ADR / RID (cross-border):**

**ADR/RID class:**

**Maritime transport IMDG:**

**IMDG Class:**

**Marine pollutant:** No

**Air transport ICAO-TI and IATA-DGR:**

**ICAO/IATA Class:**

## 15 REGULATORY INFORMATION

**Labelling according to EU guideline:**

Observe the general safety regulations when handling chemicals.

The substance is not subject to classification according to EU lists and other source of literature known to us.

## 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 MSDS:** Product safety department
- **Contact:** RAR Resin Technical Dept.