



**CYNOR LABORATORIES**

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## **MATERIAL SAFETY DATA SHEET**

<b>Product Name</b>	<b>GLYCERINE(GLYCEROL)</b>
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### **1. Identification of the substance/mixture and of the company/undertaking**

#### **1.1. Product identifier**

**Trade name :** GLYCEROL {GLYCERINE}

**Product code :** G0031,G0032

**Identification of the product :** 1,2,3-Propanetriol(glycerin)

CAS No : 56-81-5

#### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use :** Industrial. For professional use only.

#### **1.3. Details of the supplier of the safety data sheet**

**Company identification:** CYNOR

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### **2. Hazards identification -DSD**

#### **2.1. Classification of the substance or mixture**

**Classification EC 67/548 or EC 1999/45**

Not classified.

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

Not classified.

#### **2.2. Label elements**

**Labelling EC 67/548 or EC 1999/45**

Not classified.

**Labelling Regulation EC 1272/2008 (CLP)**

Not classified.

#### **2.3. Other hazards**

**Other hazards :** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

### **3. Composition/information on ingredients**

**Substance / Preparation :** 1,2,3-Propanetriol(glycerin)

CAS No : 56-81-5

Substance.

Contains no other components or impurities which will influence the classification of the product.

#### **4. First aid measures**

##### **4.1. Description of first aid measures**

**Inhalation** : Assure fresh air breathing. Allow the victim to rest.

**Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion** : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

##### **4.2. Most important symptoms and effects, both acute and delayed Symptoms**

**relating to use** : Not expected to present a significant hazard under anticipated conditions of normal use.

##### **4.3. Indication of any immediate medical attention and special treatment needed General information**

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

#### **5. Fire-fighting measures**

##### **5.1. Extinguishing media**

**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media** : Do not use a heavy water stream.

**Surrounding fires** : Use water spray or fog for cooling exposed containers.

##### **5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

##### **5.3. Advice for fire-fighters**

**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

#### **6. Accidental release measures**

##### **6.1. Personal precautions, protective equipment and emergency procedures**

**For emergency responders** : Equip cleanup crew with proper protection. Ventilate area.

**For non-emergency personnel** : Evacuate unnecessary personnel.

##### **6.2. Environmental precautions**

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

##### **6.3. Methods and material for containment and cleaning up**



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**Clean up methods :** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

### 6.4. Reference to other sections

See section 8. Exposure controls/personal protection

## **7. Handling and storage**

### 7.1. Precautions for safe handling

**Handling :** Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**Technical protective measures :** Provide good ventilation in process area to prevent formation of vapour.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage :** Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from :** Strong bases. Strong acids. Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

**Specific end use(s) :** None.

## **8. Exposure controls/personal protection**

### 8.1. Exposure controls

**Personal protection :** Avoid all unnecessary exposure.

- **Respiratory protection :** Wear approved mask.
- **Hand protection :** Wear protective gloves.
- **Eye protection :** Chemical goggles or safety glasses.
- **Others :** When using, do not eat, drink or smoke.

### 8.2. Control parameters

**Occupational Exposure Limits :** No data available.

## **9. Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

**Physical state at 20 °C :** Liquid.

**Odour :** Odorless

**Odour threshold :** No data available.

**pH value :** No data available.

**Melting point [°C] :** 20 °C

**Decomposition point [°C] :** N/A

**Critical temperature [°C] :** N/A

**Auto-ignition temperature [°C] :** 370°C

**Flammability (solid, gas) :** N/A

**Flash point [°C]** : 160 °C  
**Boiling point [°C]** : 182 °C  
**Initial boiling point [°C]** : N/A  
**Final boiling point [°C]** : N/A  
**Evaporation rate** : N/A  
**Vapour pressure [20°C]** : N/A  
**Vapour pressure mm/Hg** : 0.0033 mm Hg at 50 °  
**Vapour density** : 3,18  
**Density [g/cm3]** : 1,25  
**Relative density, gas (air=1)** : N/A  
**Relative density, liquid (water=1)** : N/A  
**Solubility in water [% weight]** : Soluble in water  
**Solubility in water** : N/A  
**Log Pow octanol / water at 20°C** : No data available.  
**Solubility** : 5.5 - 8  
**Viscosity at 40°C [mm<sup>2</sup>/s]** : N/A

**9.2. Other information**

**Explosive properties** : N/A  
**Explosion limits - upper [%]** : N/A  
**Explosion limits - lower [%]** : 0,90%  
**Oxidising properties** : No data available.

**10. Stability and reactivity**

**10.1. Reactivity**

**Reactivity** : Not established.

**10.2. Chemical stability**

**Chemical stability** : Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions** : Not established.

**10.4. Conditions to avoid**

**Conditions to avoid** : Direct sunlight. Extremely high or low temperatures.

**10.5. Incompatible materials**

**Materials to avoid** : Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.

**11. Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**



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- **Inhalation** : Based on available data, the classification criteria are not met.
- **Dermal** : Based on available data, the classification criteria are not met.
- **Ingestion** : Based on available data, the classification criteria are not met.

**Corrosion** : Based on available data, the classification criteria are not met.

**Irritation** : Based on available data, the classification criteria are not met.

**Sensitization** : Based on available data, the classification criteria are not met.

**Mutagenicity** : Based on available data, the classification criteria are not met.

**Carcinogenicity** : Based on available data, the classification criteria are not met.

**Toxic for reproduction** : Based on available data, the classification criteria are not met.

**STOT-single exposure** : Based on available data, the classification criteria are not met.

**STOT-repeated exposure** : Based on available data, the classification criteria are not met.

**Aspiration hazard** : Based on available data, the classification criteria are not met.

## **12. Ecological information**

### **12.1. Toxicity**

**Toxicity information** : Not established.

### **12.2. Persistence - degradability Persistence - degradability** : Biodegradable.

### **12.3. Bioaccumulative potential**

**Bioaccumulative potential** : Not established.

### **12.4. Mobility in soil**

**Mobility in soil** : Not established.

### **12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of RegulationREACH.

### **12.6. Other adverse effects**

**Environmental precautions** : Avoid release to the environment.

## **13. Disposal considerations**

### **13.1. Waste treatment methods**

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

## **14. Transport information**

### **14.1. Land transport (ADR-RID)**

**General information** : Not regulated.

### **14.2. Sea transport (IMDG) [English only]**



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**General information :** Not regulated.

### 14.3. Air transport (ICAO-IATA) [English only]

**General information :** Not regulated.

## 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Safety, health and environmental :** Ensure all national/local regulations are observed.  
**regulations/legislation specific for the substance or mixture**

**REACH Restrictions - Annex XVII :** The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV :** The components of this product are not subject to authorization.

### 15.2. Chemical Safety Assessment

**Chemical Safety Assessment :** It has not been carried out.

## 16. Other information

**Abbreviations and acronyms :** PBT: persistent, bioaccumulative and toxic.vPvB: very persistent and very bioaccumulative

**Sources of key data used :** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information :** None.

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