

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Reference number: 00156 Issue date: 05-09-2022 Revision date: 05-09-2022 Supersedes version of: 14-05-2019 Version: 1.0

1.1. Product identifier	
Product form Trade name EC-No. CAS-No. Product code Formula Chemical structure	: Substance : GLYCEROL AR : 200-289-5 : 56-81-5 : 00156 : C3H8O3 : OH
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Synonyms	: 1,2,3-Propanetriol, Glycerin
1.2. Relevant identified uses of the substa	ance or mixture and uses advised against
1.2.1. Relevant identified uses	
Industrial/Professional use spec	: Industrial
Use of the substance/mixture	For professional use only : Laboratory chemicals Manufacture of substances Pharmaceuticals Cosmetics
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safety da	ata sheet
LOBA CHEMIE PVT.LTD. 107 Wode House Road, Jehangir Villa, Colaba 400005 Mumbai INDIA T +91 22 6663 6663 - F +91 22 6663 6699 info@lobachemie.com - www.lobachemie.com	
1.4. Emergency telephone number	
Emergency number	: + 91 22 6663 6663 (9:00am - 6:00 pm)
SECTION 2: Hazards identification	

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

## 2.2. Label elements

## Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

## 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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SECTION 3: Composition/information on ingredients		
3.1. Substances		
Substance type	: Mono-constituent	
Name	: GLYCEROL	
CAS-No.	: 56-81-5	
EC-No.	: 200-289-5	
3.2. Mixtures		

Not applicable

# SECTION 4: First aid measures

4.1. Description of first aid measures		
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.	
First-aid measures after skin contact	: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse. Wash skin with plenty of water.	
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.	
4.2. Most important symptoms and effects, both acute and delayed		

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Water spray. Foam. Dry powder. Carbon dioxide.</li><li>Do not use a heavy water stream.</li></ul>		
5.2. Special hazards arising from the substance or mixture			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.		
5.3. Advice for firefighters			
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. 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 equip	oment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Ventilate area.	

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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. Collect spillage. On land, sweep or shovel into suitable containers.	
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.

SECTION 7: Handling and stora	ge
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours.
Hygiene measures	<ul> <li>Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.</li> <li>Always wash hands after handling the product.</li> </ul>
7.2. Conditions for safe storage, in	cluding any incompatibilities

Storage conditions

: Keep container tightly closed. Store in original container. Store in a well-ventilated place. Keep cool.

## 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

No additional information available

## 8.1.2. Recommended monitoring procedures

No additional information available

## 8.1.3. Air contaminants formed

No additional information available

## 8.1.4. DNEL and PNEC

No additional information available

## 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

## Appropriate engineering controls:

Ensure good ventilation of the work station.

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### 8.2.2. Personal protection equipment

### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:** Chemical goggles or safety glasses

### 8.2.2.2. Skin protection

**Skin and body protection:** Wear suitable protective clothing

#### Hand protection:

Protective gloves

### 8.2.2.3. Respiratory protection

**Respiratory protection:** Wear appropriate mask

## 8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

# **SECTION 9: Physical and chemical properties**

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

Physical state	:	Liquid
Appearance		Viscous liquid.
Molecular mass	:	92.02 g/mol
Colour	:	Colourless.
Odour	:	Odourless.
Odour threshold	:	No data available
pН	:	5.5 – 8
pH solution concentration	:	10 % Aqueous solution
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	18 °C
Boiling point	:	290 °C
Flash point	:	160 °C
Auto-ignition temperature	:	370 °C
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	0.0033 mm Hg at 50°C
Relative vapour density at 20 °C	:	3.18 (Air = 1.0)
Relative density	:	No data available
Density	:	1.25 g/cm³
Solubility	:	Water: Soluble in water
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	1.13 mm²/s
Viscosity, dynamic	:	1.412 mPa.s 20 °C
Explosive properties	:	No data available
Oxidising properties	:	No data available
Lower explosive limit (LEL)	:	2.7 vol %
Upper explosive limit (UEL)	:	19 vol %

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## 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

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Direct sunlight. Moisture.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological informati	on	
11.1 Information on toxicological effects		
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	
Skin corrosion/irritation	: Not classified	
	pH: 5.5 – 8	
Serious eye damage/irritation	: Not classified	
	pH: 5.5 – 8	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: Not classified	
STOT-repeated exposure	: Not classified	
Aspiration hazard	: Not classified	
GLYCEROL AR (56-81-5)		
Viscosity, kinematic	1.13 mm²/s	

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute)	: Not classified
Hazardous to the aquatic environment, long–term (chronic)	: Not classified

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12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Results of PBT and vPvB assessment
No additional information available
12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	

## In accordance with ADR / IMDG / IATA / ADN / RID

14.1 UN number	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	<ul> <li>Not regulated</li> <li>Not regulated</li> <li>Not regulated</li> <li>Not regulated</li> <li>Not regulated</li> </ul>
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)	<ul> <li>Not regulated</li> <li>Not regulated</li> <li>Not regulated</li> <li>Not regulated</li> <li>Not regulated</li> </ul>
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR)	: Not regulated
IMDG Transport hazard class(es) (IMDG)	: Not regulated
IATA Transport hazard class(es) (IATA)	: Not regulated
<b>ADN</b> Transport hazard class(es) (ADN)	: Not regulated
<b>RID</b> Transport hazard class(es) (RID)	: Not regulated

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14.4. Packing group		
Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	<ul> <li>Not regulated</li> <li>Not regulated</li> <li>Not regulated</li> <li>Not regulated</li> <li>Not regulated</li> </ul>	
14.5. Environmental hazards		
Dangerous for the environment Marine pollutant Other information	: No : No : No supplementary information available	
14.6. Special precautions for user		
Overland transport Not regulated		
Transport by sea Not regulated		
Air transport Not regulated		
Inland waterway transport Not regulated		
Rail transport Not regulated		
14.7. Transport in bulk according to Anne	ex II of Marpol and the IBC Code	
Not applicable		
SECTION 15: Regulatory information		
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture		

### 15.1.1. EU-Regulations

#### **REACH Annex XVII (Restriction List)**

No REACH Annex XVII restrictions

#### **REACH Annex XIV (Authorisation List)**

GLYCEROL AR is not on the REACH Annex XIV List

## **REACH Candidate List (SVHC)**

GLYCEROL AR is not on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

GLYCEROL AR is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

## POP Regulation (Persistent Organic Pollutants)

GLYCEROL AR is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

## Ozone Regulation (1005/2009)

GLYCEROL is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

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## **Explosives Precursors Regulation (2019/1148)**

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

## Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

## 15.1.2. National regulations

## Germany

Water hazard class (WGK) Hazardous Incident Ordinance (12. BImSchV)	<ul> <li>WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 116).</li> <li>Is not subject of the Hazardous Incident Ordinance (12. BImSchV)</li> </ul>
Netherlands	
SZW-lijst van kankerverwekkende stoffen SZW-lijst van mutagene stoffen SZW-lijst van reprotoxische stoffen – Borstvoeding SZW-lijst van reprotoxische stoffen – Vruchtbaarheid SZW-lijst van reprotoxische stoffen – Ontwikkeling	<ul> <li>The substance is not listed</li> </ul>
Switzerland Storage class (LK)	: LK 10/12 - Liquids
15.2. Chemical safety assessment	

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	

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Abbreviations and acronyms:	
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.