

Godrej Industries Limited

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Material safety data sheet (MSDS)

1. Chemical product and company identification

Trade Name	:	GLYCERIN
Manufacture's Name and Address	:	GODREJ INDUSTRIES LIMITED Plot no.3, Village Kanerao, Taluka Valia, District Bharuch, Gujarat, India Pin: 393135
Telephone	:	91-2643-70756 / 57 / 58 / 59 / 60
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2. Composition / ingredients

CAS No	:	56-81-5
EC No	:	200-289-5
Synonym	:	GLYCERIN , GLYCERINE, 1,2,3-PROPANETRIOL TRIHYDROXYPROPANE, 1,2,3-TRIHYDROXYPROPANE

3. Hazard identification (reference: 4)

Irritant	:	Irritating to eyes and skin
	:	In case of contact with eyes, rinse with plenty of water and call a doctor
	:	Wear suitable protective clothing

4. First-aid measures

Swallowing	:	Wash the affected person's mouth with plenty of water, provided he is conscious. Call a doctor.
Skin	:	Remove contaminated clothing and wash exposed area with plenty of water followed by soap and water
Eye	:	Irrigate the eyes with plenty of water
Inhalation	:	Take person into fresh air and allow to rest
<i>*In all of the above cases, get a doctor to check the affected person.</i>		
5. Fire hazard and fire-fighting measures		
Special fire-fighting procedures	:	Wear self-contained breathing apparatus and fully protective clothing to prevent contact with skin and eyes.
Means of Extinction	:	Use Water spray, Carbon Dioxide, Dry Chemical, or Alcohol Foam. Use Water to keep fire exposed container cool
Flash Point	:	189° C
6. Accidental release		
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.		
Absorb on sand and place in a close container for disposal.		
Ventilate area and wash spill site after material pickup is complete.		
7. Handling and storage measures		
Handling	:	Handle with good hygiene and safety procedures. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Do not breathe vapour, and avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure, and wash thoroughly after handling.
Storage Conditions of Containers	:	Keep container closed and store in a cool, dry place. Suitable storage material: SS tank / laquor-lined MS drums / HDPE drums.
8. Exposure controls and personal protection measures		
Ventilation of area		

Chemical safety goggles.		
Compatible chemical resistant gloves		
Safety shower and eye bath		
NIOSH / MSHA-approved respirator		
Do not breathe vapour		
Avoid prolonged and repeated exposure		
Wash thoroughly after handling		
9. Physical and chemical properties (reference: 1, 4, 5)		
Physical Appearance	:	Clear Liquid
Boiling Point	:	290°C
Melting Point	:	20°C
Vapour Pressure	:	0.1mm at 20° C
Vapour density	:	3.1
Flash Point	:	160°C
10. Reactivity data		
Chemical Stability	:	Product is stable
Incompatibility with Substances	:	Strong bases, strong oxidising agents
Hazardous Combustion or Decomposition	:	Carbon monoxide and carbon dioxide
Hazardous Polymerization Products	:	None
11. Toxicological properties (reference: 2, 3, 4, 5)		
Acute effects	:	Irritating to skin, may be harmful if absorbed through the skin. May be harmful if inhaled. Material may be irritating to mucus membrane and upper respiratory tract
Irritation data	:	SKN-RBT 500 MG/24H MLD

		EYE-RBT 126 MG MLD EYE-RBT 500 MG/24H MLD
Toxicity data	:	ORL-RAT LD50: >12600 MG/KG
Target organ data	:	Behaviour (headache) Gastrointestinal (nausea or vomiting) Kidney, ureter, bladder (changes in tubules) Kidney, ureter, bladder (other changes in urinary compositions) Paternal effects (Spermatogenesis) Paternal effects (testes, epididymis, sperm duct) Effects on fertility (male fertility index) Effects on fertility (post-implantation mortality)
12. Ecological information		
Impact on aquatic organism	:	Data not available
13. Waste disposal		
Dissolve or mix the material with a suitable solvent and burn in a chemical incinerator		
Observe all federal, state and local environmental regulations.		
14. Transport recommendations		
Material should be transported in a closed container to protect it from direct source of heat and to avoid exposure to highly humid atmosphere.		
Contact Godrej Industries Limited for further information on transportation		
Observe all federal, state and local regulations for liquid transportation		
15. Regulatory requirements		
Irritant	:	In case of contact with eyes, rinse with plenty of water and call a doctor
	:	Wear suitable protective clothing
16. Other information		
The information presented here pertains to the product when stored in a sealed condition as prescribed above. This information is given in good faith by Godrej Industries. The manufacturer makes no warranties on the adequacy of the information contained herein. Each user of this material needs to evaluate his/her own conditions of storage to use this		

product safely.