

**KUMAR ORGANIC PRODUCTS LIMITED**

Bangalore – 560 105

Safety Data Sheet : Polyglyceryl Oleate**1. Identification of the substance/Mixture and of the company/undertaking**

Product identifier	Polyglyceryl Oleate
	Chemical Name : 1,2,3-Propanetriol, Polyglyceryl oleate INCI Name : Polyglyceryl-4-oleate
Details of the Supplier	M/s.Kumar Organic Products Ltd., 'Usha Krishna Towers' Plot No.36-B, Road No.3&5, Jigani Industrial Area, Anekal Taluk, Bangalore-560 105,India. Ph : ++91 80 27825376 / 27826018 www.kumarorganic.net

2. Hazards Identification

GHS Classification : Skin Irrit. 2, Eye Irrit. 2

Label elements

Labelling (Regulation (EU) No 1272/2008)

Hazard statements	H315: Causes skin irritation H319: Causes serious eye irritation
Precautionary statement(s)	P305: If in eyes rinse cautiously with water for several minutes. Remove contact lenses.
Potential health hazards	Eyes: Irritant. Inhalation: Not expected to be irritant. Skin: May be irritant. Ingestion: May be irritant.
NFPA Ratings (704):	Health 1 Mild Flammability 1 Mild Reactivity 0 Minimal Specific Hazard n/a
Pictogram	
Signal word	Warning

3. Composition/Information on ingredients

Chemical Name	CAS Number	EC Number	Molecular Formula	Molecular Weight
Polyglyceryl oleate	9007-48-1	-	C ₂₇ H ₅₂ O ₈	504.69g/mol

4. First Aid Measures**Description of first aid measures**

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In case of doubt or when symptoms of feeling unwell persist, get medical attention.

After inhalation	Fresh air, consult doctor if feeling unwell.
After skin contact	Wash off with soap and plenty of water. Remove contaminated clothing.
After eye contact	Rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist if necessary.
If swallowed	Give large quantities of water. Do not induce vomiting and consult a doctor.
Most important symptoms and effects , both acute and delayed	Irritant effects, Corrosive product, contact with eyes or skin can cause burns. Any internal damage, seek medical assistance.

5. Fire Fighting Measures

Extinguishing media	Dry extinguishing media, foam. Do not use carbon dioxide
Special hazards arising from the substance or mixture	Harmful vapors. Evolution of fumes/fog. The substances / groups of substances mentioned can be released in case of fire.
Advice to firefighters	Wear self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes. Prevent the products used to fight the fire from going into drains, sewers or waterways.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Avoid breathing vapours, mist or gas. Evacuate personnel to safe areas.
Environmental precautions	Be careful to ensure product doesn't enter drains or surface waters
Methods and material for containment and cleaning up	Take up mechanically or sweep up carefully and transfer to a suitable container for recovery or waste disposal. Ventilate the area and wash spill site after material pick-up is complete. Disposal of waste in accordance with all applicable federal, state and local laws.

7. Handling and Storage

Precautions for safe handling	Avoid contact with skin and eyes. Normal measures for preventive fire protection. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage	Store according to local legislation. Observe indication on the label. Store in cool place. Keep far away from ignition points.

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Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of work day.

Personal protective equipment:**Eye / face protection:**

Safety glasses, goggles, or face shield recommended for eye protection

Skin protection:

Gloves and protective clothing should be worn to prevent prolonged skin contact.

Respiratory protection:

Appropriate NIOSH approved respiratory protection should be won

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. Physical and Chemical Properties

Appearance	Liquid
Odour	Ester like
Molecular weight	504.69g/mol
pH(10% solution in water)	Not available
Melting point / freezing point	Not available
Boiling point / boiling range	~149°C
Flash point	>149°C
Refractive index	1.451
Evaporation rate	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapor pressure	<1.3 hPa at 25°C
Vapor density	0.99 g/cm ³ at 25°C
Density	Not available
Solubility	Dispersible in water

10. Stability and Reactivity



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Reactivity	Stable under normal conditions
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	No data available
Conditions to avoid	No information available
Incompatible materials	Strong oxidizing agents .
Hazardous decomposition products	Not none

11. Toxicological Information

Acute toxicity : Acute oral toxicity not available

Skin : Not available

Eyes : Not available

Respiratory : Not available

Ingestion : Not available

Carcinogenicity : Not available

Teratogenicity : Not available

Germ Cell Mutagenicity : Not available

Embryotoxicity : Not available

Specific Target Organ Toxicity : Not available

Reproductive Toxicity: Not available

Respiratory/Skin Sensitization: Not available

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Ecotoxicity: No data available
Persistence and degradability: Not available
Mobility in soil : Not available
Other adverse effects : No data available

13. Disposal Considerations

Disposal instructions	Observe all federal, state and local regulations when disposing of the substance.
Contaminated packaging	Contaminated, empty containers must be disposed of as chemical waste

14. Transport Information

DOT (Dept. of Transportation, USA): Not regulated
TDG(Transportation of Dangerous Goods, Canada): Not regulated
IMDG (International Maritime Dangerous Goods): Not regulated
IATA (International Air Transport Association): Not regulated
ICAO (International Civil Aviation Organization): Not regulated

15. Regulatory Information

TSCA Inventory Status : No data available
DSCL (EEC) : This product is not classified according to the EU regulations. Not applicable.
WHMIS (Canada) : Not controlled under WHMIS (Canada)

16. Other Information

The information contained in the safety data sheet (SDS) has been compiled from data considered to be accurate. This data is believed to be reliable, however it must be pointed out that values for certain properties are known to vary from source to source. This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his applications. This data relates only to the specific material designated and not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize themselves with all applicable regulations.