

## **Material Safety Data Sheet (MSDS)**

**Product: Glycerine**

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### **Section 1 – Chemical Product and Company Identification**

Manufacturer's Name and address : Sebacic Oman SAOC, Plot no 1 Duqum free zone, Duqum,  
Sultanate of Oman  
+968 95593123

Product Name: **Glycerin**

Synonym: **1, 2, 3 Propanetriol, Glycerol**

Chemical Formula: **C<sub>3</sub>H<sub>5</sub>(OH)<sub>3</sub>**

HSN CODE: **29054500**

### **Section 2 – Composition, Information on Ingredients**

CAS#	Chemical Name	% Weight	EINECS#
56-81-5	Glycerine	99.90%	200-289-5
	Moisture	0.1%	

### **Section 3 – Hazards Identification**

#### **EMERGENCY OVERVIEW**

Not available

#### **POTENTIAL HEALTH EFFECTS**

Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation. The substance may be toxic to kidneys. Repeated or prolonged exposure to the substance can produce target organs damage.

### **Section 4 – First aid Measures**

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### **Section 5 – Fire Fighting Measures**

Flammability of the product	May be combustible at high temperature.
Special remarks on explosion hazards	Glycerine is incompatible with strong oxidizers such as chromium trioxide, potassium chlorate, or potassium permanganate and may explode on contact with these compounds. Explosive glycerol nitrate is formed from a mixture of glycerine and nitric and sulphuric acids. Perchloric acid, lead oxide + glycerine form perchloric esters which may be explosive. Glycerine and chlorine may explode if heated and confined.

### **Section 6 – Accidental Release Measures**

Small Spills	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large spills	Stop leak if without risk. If the product is in its solid form: Use a shovel to put the material into a convenient waste disposal container. If the product is in its liquid form: Do not get water inside container. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Do not touch spilled material. Use water spray to reduce vapours. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Factory Address: Plot No. 1, Heavy Industrial Zone, Duqum, Sultanate of Oman**

**Section 7 – Handling and Storage**

Handling	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Hygroscopic.

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**Section 8 – Exposure Controls, Personal Protection**

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
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**PERSONAL PROTECTIVE EQUIPMENT**

Eyes	Safety glasses. Vapour respirator.
Skin	Lab coat, Gloves.
Respirators	Be sure to use an approved/certified respirator or equivalent.

**Section 9 – Physical and Chemical Properties**

Physical State	Liquid,
Appearance	Viscous Syrup liquid
Odor and Taste	Mild and sweet
PH	No data available
Vapor Pressure	0 KPa @ 20 ° C
Boiling Point	290 °C
Melting Point	19 ° C
Auto ignition Temperature	NA
Flash Point closed cup	NA
Solubility	Miscible in cold water, hot water and alcohol. Partially soluble in acetone. Very slightly soluble in diethyl ether (ethyl ether). Insoluble in carbon tetrachloride, benzene,

# Sebacic Oman SAOC

	chloroform, petroleum ethers, and oils.
Specific Gravity	1.26 g/cm <sup>3</sup>
Molecular Formula	C <sub>3</sub> H <sub>5</sub> (OH) <sub>3</sub>
Molecular Weight	92.09 g/mol

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### Section 10 – Stability and Reactivity

Chemical Stability	This product is stable.
Conditions to Avoid	Avoid contact with incompatible materials, excess heat and ignition, sources, moisture.
Incompatibilities with Other Materials	Highly reactive with oxidizing agent.
Corrosivity	Non – corrosive in presence of glass.

### Section 11- Toxicological Information

Inhalation	None Unknown
Chronic effects on human	May cause damage to the kidneys.
Skin Contact	Slightly hazardous in case of skin contact (irritant) of ingestion, of inhalation.

### Section 12 – Ecological Information

**Eco toxicity:** Ecotoxicity in water (LC50): 58.5 ppm 96 hours [Trout].

### Section 13 – Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## **Section 14 – Transport Information**

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

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## **Section 15 – Regulatory Information**

### **Federal and State Regulations:**

Illinois toxic substances disclosure to employee act: Glycerine Rhode Island RTK hazardous substances:

Glycerine Pennsylvania

RTK: Glycerine Minnesota: Glycerine Massachusetts RTK: Glycerine Tennessee - Hazardous Right to

Know: Glycerine TSCA 8(b) inventory: Glycerine

### **Other Regulations:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS:

This product is on the European Inventory of Existing Commercial Chemical Substances.

### **Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

### **DSCL (EEC):**

Not available S24/25- Avoid contact with skin and eyes.

### **HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** g

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### **National Fire Protection Association (U.S.A.):**

**Health:** 1

**Flammability:** 1

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

# Sebacic Oman

## SAOC

Gloves. Lab coat. Vapour respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

### **Section 16 – Additional Information**

**References:** Not available.

**Other Special Considerations:** Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.