

1 Identification of the substance/preparation and of the company/undertaking



- **Product name:** Glycerine tech
- **Application of the substance / the preparation** Chemical intermediate
- **Manufacturer/Supplier:**
Perstorp Oxo AB
SE-444 84 Stenungsund
Sweden
Tel. +46 303 728600
www.perstorp.com
- **Further information obtainable from:** Product safety department.
- **Information in case of emergency:** (Int.) +46 8 337043 (Emergency Response Center, Sweden)

2 Hazards identification

- **Hazard description:** Not classified.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

· **Chemical components:**

CAS: 67-56-1 EINECS: 200-659-6	methanol	 T,  F; R 11-23/24/25-39/23/24/25	0-0.3%
CAS: 56-81-5 EINECS: 200-289-5	1,2,3-propanetriol, glycerol		97-100%

4 First-aid measures

- **General information:** Remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye under running water.
- **After swallowing:** Rinse out mouth and then drink plenty of water or milk.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
- **Additional information:** Inform authorities in case of large spillage.

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7 Handling and storage

- **Information for safe handling:** Store in cool, dry place in tightly closed receptacles.
- **Information about fire - and explosion protection:** Protect from heat.
- **Storage:**
- **Information about storage in one common storage facility:** Store away from oxidizing agents.

8 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 1,2,3-propanetriol, glycerol

WEL Long-term value: 10 mg/m³

67-56-1 methanol

WEL Short-term value: 333 mg/m³, 250 ppm
Long-term value: 266 mg/m³, 200 ppm
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- **Personal protective equipment:**
- **Respiratory protection:**
Use suitable respiratory protective device only when aerosol or mist is formed.
Filter P2
- **Protection of hands:**



Protective gloves

- **Material of gloves**
Nitrile rubber, NBR
PVC gloves
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Safety glasses

9 Physical and chemical properties

- **General Information**

Form:	Liquid
Colour:	Yellowish
Odour:	Mild

- **Change in condition**

Melting point/Melting range:	18 °C
Boiling point/Boiling range:	290 °C

- **Flash point:** 160 °C

- **Ignition temperature:** 393 °C

- **Danger of explosion:** Product does not present an explosion hazard.

- **Vapour pressure at 25 °C:** 0.0001 hPa

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|---|------------------------|
| · Density at 20°C: | 1261 kg/m ³ |
| · Solubility in / Miscibility with water: | Fully miscible. |
| · Partition coefficient (n-octanol/water): | -1.76 log POW |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions**
Reacts with strong acids and alkali.
Reacts with oxidizing agents.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

56-81-5 1,2,3-propanetriol, glycerol

Oral	LD50	> 4000 mg/kg (rat)
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- **Primary irritant effect:**

- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Inhalation:** May be irritating.
- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is readily biodegradable.
- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:** Low potential for accumulation in organisms
- **Ecotoxicological effects:**

- **Aquatic toxicity:**

56-81-5 1,2,3-propanetriol, glycerol

EC50/24 h	> 10000 mg/l (daphnia)
EC50/96 h	> 10000 mg/l (alga)
LC50/24 h	> 5000 mg/l (fish)

- **Remark:** Not harmful to aquatic organisms.

- **General notes:**

Water hazard class 1 (German Regulation): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13 Disposal considerations

- **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 99	wastes not otherwise specified

- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous goods according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.

16 Other information

This Safety Data Sheet is not a Product Specification. It is based on our present knowledge and experience and it is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.

- **Explanation R-phrases**

11 Highly flammable.
23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

- **Department issuing SDS:** EHSQ-department, Perstorp Specialty Chemicals AB.