

POCH Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH). Creation date / last update: 2002-10-15 / 2005-06-27

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

GLYCEROL

Catalogue Numbers: *food grade-443322993*;

Use of the substance / preparation: *analytical reagent for pharmacy*

POCH SA

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2. Hazard identification

No hazardous product as specified in Directive 67/548/EEC.

3. Composition/information on ingredients

CAS-No.: 56-81-5

Molecular mass: 92.1

Molecular formula: $C_3H_8O_3$

WE Number: 200-289-5

4. First aid measures

After eye contact: *rinse out with plenty of water with the eyelid held wide open.*

After skin contact: *wash off with plenty of water. Take off contaminated clothing.*

After swallowing: *make victim drink plenty of water. Consult doctor if feeling unwell.*

After inhalation: *fresh air. Consult doctor if victim feeling unwell.*

5. Fire-fighting measures

Suitable extinguishing media: *CO₂, foam, powder, water*

Special risk: *combustible. Vapours heavier than air. Formation of explosible mixtures possible with air. Keep away from sources of fire.*

Development of hazardous acroleine in the event of fire.

Special protective equipment for fire fighting:

Other information: *prevent fire-fighting water from entering surface water or groundwater*

Prevent fire-fighting water from entering surface water or groundwater. Cool container with spray water from a safe distance.

Contain escaping vapours with water.

6. Accidental release measures

Do not inhale vapours/aerosols. Take up with liquid- absorbent material. Forward for disposal. Clean up affected area.

GLYCEROL

7. Handling and storage

Handling: *Use with adequate ventilation. Use of the basic principles of Industrial Hygiene. Use according to good industry practice. Work under hood. Do not inhale substance. Do not empty into sewerage system. Use protective equipment according to p.8. Avoid skin contact.*

Storage: *tightly closed. Dry place. Room temperature (At +15 to +25 deg C).*

8. Exposure controls/personal protection

Specific control parameter: *max. workplace conc.: 10 mg/m³ aerosol*

Provide exhaust ventilation. Ensure the eye wash station and safety showers. Protective equipment should be selected for the working place, depending on concentration and quantity of the hazardous product handled. The resistance of the protective clothing to chemicals should be ascertained with respective supplier.

Personal protective equipment:

respiratory protection: *required when vapours/aerosols are generated - gas mask with specific absorber.*

eye protection: *required - safety goggles.*

hand protection: *no required.*

body protection: *no required.*

industrial hygiene: *immediately change contaminated clothing. Apply skin - protective barrier cream. Wash hands and face after working with substance.*

9. Physical and chemical properties

Form: *liquid*

Colour: *colourless*

Odour: *odourless*

pH value: *~ 5 (100 g/l H₂O, 20°C)*

Melting point: *-10°C*

Boiling point: *130°C*

Autoignition temperature: *~ 429°C*

Flash point: *177°C*

Explosion limit:

lower: *0,9 Vol%*

upper: *not available*

dynamic viscosity: (20°C): *~150 mPa*s*

kinematical viscosity:

Vapour pressure: *0,01 mbar (20°C)*

Density: *1,23 g/ml (20°C)*

Bulk density: *not applicable*

Solubility:

in water: *soluble*

in organic solvents: *not available*

log P(w/o): *-2,66*

GLYCEROL

10. Stability and reactivity

Conditions to be avoided: *strong heating*

Substances to be avoided: *strong oxidizing agents, nitric acid, phosphorus oxides, peroxide compounds, hydrogen peroxides, halogens.*

Hazardous decomposition products: *no information available*

Other information: *hygroscopic*

11. Toxicological information

Toxicological information: *LD50 (oral rat): 12600 mg/kg, LD50(dermal, rabbit): >1870 mg/kg.*

Other information: *After skin and eye contact: slight irritations. After inhalation: slight irritations. After swallowing: vomiting, gastric pain, headache, cyanosis. The product should be handled with the care usual when dealing with chemicals.*

12. Ecological information

Biodegradation: >60%/28d. Readily biodegradable. Log P(w/o): -2,66. No bioaccumulation is to be expected. Toxicity: Fish: L. idus LC50: >10000 mg/l. C. auratus LC50: > 5000 mg/l/24h. Daphnia: Daphnia magna EC50: >10000 mg/l/24h. Algae: Sc. quadricanda IC50: > 10000 mg/l/72h. Bacteria: Ps. putida EC50: > 10000 mg/l/16h. Protozoa: E. sulcatum EC50: 3200 mg/l/72h.

13. Disposal considerations

POCH product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Handle contaminated packing in the same way as the substrate itself. Always contact a permitted waste disposal to assure compliance with all current local, state and federal regulations.

14. Transport information

ADR Class and package group: *not subject to transport regulations*

UN Number: *not applicable*

Name (acc. to UN): *not applicable*

15. Regulatory information

Labelling according to EC Directives.

Symbol: *not applicable;*

R-phrases: *not applicable;*

S-phrases: *not applicable;*

16. Other information

Reason for alteration: *general update.*

Informations contained in this SDS while accurate to the best knowledge