Camlab Limited - Material Safety Data Sheet

1110453

1. Identification

Product Code 1110453

Product Name GLYCEROL pure

Molecular Formula CH_OHCHOHCH_OH =92.09

CAS Number **56-81-5**

Supplier:

camlab

CAMLAB LIMITED

Norman Way Industrial Estate Over Cambridge England CB4 5WE

Phone 01954 233110 Fax 01954 233101

Emergency Telephone 08:00-17:00 01954 233110

24hr 112 (Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Glycerol	56-81-5	200-289-5	> 99.0%	None	N/A

3. Hazards Identification

Not considered harmful

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If

discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. Do not induce vomiting.

5. Fire Fighting Measures

Hazards Not combustible but assists burning. Presents no specific health hazard if involved in a

fire.

Extinguishing Alcohol resistant foam, dry powder, or carbon dioxide. Use water spray to keep fire exposed

containers cool.

Unsuitable Nothing specified.

Media

Media

6. Accidental Release Measures

Personal Presents no major hazards. Do not allow other people to enter area.

Protection

Environmental Keep material out of sewers, storm drains, surface waters and soil. Notify the

Environmental Agency and local Environmental Health Officer if major spillage occurs.

6. Accidental Release Measures (continued)

Contain and absorb on inert material. Transfer absorbent to salvage container for removal. Major Spillage

Wash area down with copious amounts of water.

Minor Spillage Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions Avoid contact with skin and eyes. Do not breath vapours. Do not allow to contaminate

clothing.

Ensure Local Exhaust Ventilation maintains vapour concentrations below the recommended

Storage Conditions Well ventilated, cool, dry storage . Protect from direct sun and store away from sources of

ignition. Keep containers closed when not in use. Keep well separated from oxidising

8.1 Workplace Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory Use L.E.V. or natural ventilation to maintain vapour concentrations below exposure limits.

If not, use a well maintained chemical cartridge organic vapour respirator, or use self

contained breathing apparatus.

Use solvent resistant gloves. Hands

Eyes Use chemical splash proof glasses or goggles.

Skin Avoid contact with skin. If skin contact or contamination of clothing is likely, protective

clothing must be worn.

9. Physical & Chemical Properties

Clear colourless viscous liquid. Appearance

Odour Odourless. рΗ Not available Boiling point 290.0 °C Melting point 17.9 °C

Flash point 199.0 °C(DIN 51755) Not available Upper Flammable Limit. Lower Flammable Limit Not available Auto Ignition 370.0 °C

Explosive properties Slight. Oxidising Properties No.

Vapour Presure 0.0025 mm Hg @ 20 C

Relative Density 1.2600

Water Solubility Completely miscible in water.

10. Stability & Reactivity

Chemical Stability Stable under normal conditions

Conditions to Avoid Hot surfaces, naked flames or other sources of ignition.

Materials to Avoid Strong oxidising agents. Hydrogen peroxide, chromium trioxide and potassium permanganate.

Nitric/sulphuric acid mixtures. Perchloric and hydrofluoric acids

Hazardous None unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide.

Decomposition Products

11. Toxicological Information

Eyes High concentrations of vapour may be irritating to the eyes.

Skin Presents no significant hazard by skin contact.

LD50 Skin Not available

Ingestion of large amounts may cause headache, dizziness, nausea, vomiting, thirst and

convulsions.

LD50 Ingest Oral Rat > 20 ml/kg

Inhalation High concentrations of vapour may produce irritation of the eyes, nose, throat and

respiratory tract.

Carcinogenicity Not considered to be a carcinogen.

Mutagenicity Not considered to be a mutagen.

Reproductive Effects None identified.

Other Information Used throughout the food and cosmetics industries.

12. Ecological

Readily bio-degraded in the environment.

13. Disposal Considerations

waste.

Contaminated Packaging Use a licensed waste disposer. Wash out containers with water.

14. Transport Information

Proper Shipping Name Non-restricted
UN Number Non-restricted

UN Classification None Subsidiary Risk None

Flash Point 199.0 °C(DIN 51755)

Packing Group None
Transport Category None
Marine pollutant No

ADR Hazard ID Non-restricted

15. Regulatory Information

Labelling None

Classification

Label Symbols None

Risk & safety Phrases None

EEC Number 200-289-5

16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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