# Camlab Limited - Material Safety Data Sheet

## 1. Identification

Product Code CC/1138-DH

Product Name GLYCEROL A.R.

Molecular Formula CH\_OHCHOHCH\_OH =92.09

CAS Number **56-81-5** 

Supplier: CAMLAB LIMITED



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Over Cambridge England CB4 5WE

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(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	> 99.5%	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 Combustible, but presents no special fire fighting hazards.

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

Media containers cool.

Unsuitable Nothing specified.

Media

#### 6. Accidental Release Measures

Personal Combustible : so avoid sources of ignition. Presents no specific health hazard if involved

Protection in a fire

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.

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

Wash area down with copious amounts of water.

# 6. Accidental Release Measures (continued)

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

Ensure Local Exhaust Ventilation maintains vapour concentrations below the recommended

limits.

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

agents.

# 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.

Hands Use solvent resistant gloves.

Use chemical splash proof glasses or goggles. Eyes

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. рН Not available 290.0 °C Boiling point 17.9 °C Melting point

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

Vapour Presure

0.0025 mm Hg @ 20 C

Relative Density 1.2600

Oxidising Properties

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

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

Skin Presents no significant hazard by skin contact.

LD50 Skin Not available

### 11. Toxicological Information (continued)

Ingest 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

Disposal Methods Dispose of in a licensed incinerator for organic solvents. Do not dispose of as domestic

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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