



DATE : 12/05/18
Glycerine

SHEET 1 of 7

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY NAME

1.1 PRODUCT NAME:

Glycerine

Synonyms:

1,2,3 Propanetriol

Glycerol

Glycyl Alcohol

INCI name:

Glycerin

REACH Registered No.

Exemption under Annex V.

CAS No. 56.81.5

EC No. 200-289-5

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

Relevant identified uses of the substance or mixture:

Anti-freezing agent. Chemical intermediate. Chemical manufacturing. Feed and food additive. Personal care products.

Uses advised against:

No data available.

1.3 DETAILS OF THE SUPPLIER:

Lubrisolve Engineering Solutions Ltd.

Downslade Business Units

Downslade Lane,

Upton

Long Sutton

Somerset

TA10 9NY

Tel. +44 (0)1458 241241

e-mail: enquiries@lubrisolve.co.uk

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

This product does not meet the classification and labelling criteria given in the Regulation (EC) No. 1272/2008 (CLP)

2.2. LABEL ELEMENTS:

This product has no label elements.

2.3 OTHER HAZARDS:

No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. CHEMICAL IDENTITY:

Glycerine.

CAS REGISTRY NO.:

56-81-5.

EINECS NO.:

200-289-5.



DATE : 12/05/18
Glycerine

SHEET 2 of 7

4. FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES:

General Information:

In case of persistent adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before re-using.

Eye contact:

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

Skin contact:

Wash off immediately with soap and water.

Ingestion:

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation:

Ensure supply of fresh air. Remove affected person from the immediate area.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

No data available.

4.3 INDICATION OF ANY IMMEDIATE/SPECIAL TREATMENT NEEDED:

No data available.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable extinguishing media:

Carbon di-oxide, alcohol resistant foam, dry chemical extinguisher, water spray jet.

Unsuitable extinguishing media:

High power water spray jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

In the event of fire, the following can be released: Carbon di-oxide, Carbon mon-oxide.

5.3 PROTECTION FOR FIRE-FIGHTERS:

Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Fire residues and and containmated firefighting water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

For non-emergency personnel:

Refer to protective measures noted in sections 7 and 8. Ensure adequate ventilation. High risk of slipping due to leakage/spillage of product.

For emergency personnel:

No data available. Personal Protective Equipment (PPE) – see section 8.

6.2 ENVIRONMENTAL PRECAUTIONS:

Do not discharge into drains or rivers. Do not discharge into soil/subsoil. Contain the spillage using bunding.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Absorb into dry earth or sand. Transfer to a closed, labelled salvage container for disposal by an appropriate method. Wash the spillage site with a large amount of water.



DATE : 12/05/18
Glycerine

SHEET 3 of 7

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice for safe handling:

Provide good ventilation at the work area (local exhaust ventilation if necessary). Wear suitable protective clothing. Avoid the formation or spread of mists in the air. Avoid contact with the material. Causes slippery surface when spilled.

7.2 CONDITIONS FOR SAFE STORAGE:

Technical measures and storage conditions:

Store in cool, well ventilated area. Keep containers tightly closed. Protect from low temperatures and frost.

Requirements for storage rooms and vessels:

Must only be kept in original packaging.

Advice on storage assembly:

Do not store together with oxidising agents and alkalis.

7.3 SPECIFIC END USES:

No data available.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

Occupational exposure limit values:

Respirable dust UK: 8 hour TWA – 10mg/m³ (mist).

8.2 EXPOSURE CONTROLS:

Appropriate engineering controls:

No data available.

Personal protective equipment:

Eye protection:

Safety goggles (EN166). Ensure eye bath is to hand.

Skin protection:

In case of intensive contact, wear protective gloves (EN374). Sufficient protection is given wearing suitable protective gloves checked according to EN374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work station suitability (i.e. mechanical resistance, product compatibility and anti-static properties). Adhere to the manufacturers instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves:

Appropriate material – butyl rubber/nitrile rubber.

Respiratory protection::

If workplace exposure limits are exceeded, a respiratory protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event that workplace threshold values are not specified.

Other:

Normal chemical work clothing.



DATE : 12/05/18
Glycerine

SHEET 4 of 7

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid
COLOUR:	Colourless
ODOUR:	Barely perceptible odour.
EVAPORATION RATE:	Negligible.
OXIDISING:	Non-oxidising by EC criteria.
SOLUBILITY IN WATER:	Soluble.
VISCOSITY:	Viscous.
BOILING POINT (°C):	> 290.
FLAMMABILITY:	No data available.
FLASH POINT (°C):	175.
IGNITION TEMPERATURE (°C):	400.
RELATIVE DENSITY @ 20°C:	1.26g/ml.
MELTING POINT (°C):	~18.
VAPOUR PRESSURE:	1 hPa @ 20°C.
pH:	No data available.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY:

No data available.

10.2 CHEMICAL STABILITY:

Stable under normal conditions.

10.3 HAZARDOUS REACTIONS:

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 CONDITIONS TO AVOID:

Heat. Low temperatures and frost.

10.5 MATERIALS TO AVOID:

Oxidising agents. Alkalis.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

In combustion emits toxic fumes of carbon di-oxide/carbon mon-oxide. Acrolein.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

Oral:

Rat LD50 2000mg/kg.

Dermal:

No data available.

Skin:

No data available.

Eye contact:

No data available.

Germ cell mutagenicity:

No data available.

Reproduction toxicity:

No data available.



DATE : 12/05/18
Glycerine

SHEET 5 of 7

Carcinogenicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure:

No data available.

Aspiration hazard:

No data available.

Delayed and immediate effects as well as chronic effects from short and long term exposure:

A sensitisation is possible for persons who are sensitive. Eye contact with the product may cause slight irritation.

12. ECOLOGICAL INFORMATION

12.1 TOXICITY:

Toxicity to fish (acute):

LC50 Test: > 5000mg/l.

Toxicity to fish (chronic):

No data available.

Toxicity to daphnia (acute):

No data available.

Toxicity to daphnia (chronic):

No data available.

Bacteria toxicity:

No data available.

12.2 PERSISTENCE AND DEGRADABILITY:

Biodegradability:

Biodegradable.

12.3 BIOACCUMULATIVE POTENTIAL:

No data available.

12.4 MOBILITY IN SOIL:

No data available.

12.5 RESULTS OF PBT and vPvB ASSESSMENT:

No data available.

12.6 OTHER ADVERSE EFFECTS:

No data available.

12.7 OTHER INFORMATION:

Do not discharge product un-monitored into the environment.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:

Product:

Allocation of a waste code number, according to European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.



DATE : 12/05/18
Glycerine

SHEET 6 of 7

Packaging:

Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licensed contractor (note regional or national regulations).

14. TRANSPORT INFORMATION

14.1 TRANSPORT ADR/RID/ADN:

This product is not subject to ADR/RID/ADN regulations.

14.2 TRANSPORT IMDG:

This product is not subject to IMDG regulations.

14.3 TRANSPORT ICAO-TI/IATA:

This product is not subject to ICAO-TI/IATA regulations.

14.4 OTHER INFORMATION:

No data available.

14.5 ENVIRONMENTAL HAZARDS:

See sections 14.1 to 14.3.

14.6 SPECIAL PRECAUTIONS FOR USER:

No data available.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEXII OF MARPOL AND THE IBC CODE:

Not relevant.

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

Regulation (EC) No. 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation):

In accordance with the REACH regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorisation:

In accordance with article 57 and article 59 of the REACH regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

Regulation (EC) No. 1907/2006 (REACH) Annex XVII: Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles:

The substance is not subject to the provisions of annex XVII (restriction entries) of the REACH regulation (EC) 1907/2006.

Directive 20112/18/EU on the control of major accident hazards involving dangerous substances:

The substance is not subject to Part 1 or 2 of Annex I.

15.2 CHEMICAL SAFETY ASSESSMENT:

A chemical safety assessment has not been carried out for this substance.



DATE : 12/05/18
Glycerine

SHEET 7 of 7

www.lubrisolve.co.uk

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH), 1272/2008 (CLP) as amended, EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU.

Legal disclaimer:

The information provided in this safety data sheet is correct to the best of our knowledge at the time of publication. It is given in good faith but no warranty is implied with respect to the quality and specification of the product. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

The customer must satisfy themselves that the product is entirely suitable for their own purposes.

Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.

MATERIAL SAFETY DATA SHEET