



SAFETY DATA SHEET

GLYCEROL

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME:	GLYCEROL
CHEMICAL NAME 2:	1,2,3-PROPANETRIOL
PART No.:	RM116, RM117
SYNONYMS, TRADE NAMES:	GLYCERINE
SUPPLIER:	J M Loveridge plc Southbrook Road, Southampton Hampshire SO15 1BH Tel: 023 8022 2008 Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

EEC (EINECS) No.	200-289-5
CAS No.:	56-81-5

3. HAZARDS IDENTIFICATION:

Not regarded as a health or environmental hazard under current legislation.

4. FIRST AID MEASURES:

GENERAL:	IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION
INHALATION:	Move affected person from exposure. High vapour concentration unlikely owing to physical properties. Avoid inhalation of mist.
INGESTION:	Only when conscious rinse mouth out. Obtain medical attention if adverse symptoms occur.
SKIN:	Wash affected area with plenty of soap and water.
EYES:	Rinse immediately with copious amounts of water. If irritation or discomfort persists, seek medical attention.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.
SPECIAL FIRE FIGHTING PROCEDURES:	UNSUITABLE EXTINGUISHING MEDIA - high pressure water-jet.
HAZARDOUS COMBUSTION PRODUCTS:	Burning will produce oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Wear appropriate protective clothing. Spillage may constitute a slipping hazard.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	The product should be used in accordance with good industrial safety practice and hygiene principles for handling and storing of chemicals.
STORAGE PRECAUTIONS:	Store in a cool dry place. Store away from sources of heat or ignition.
STORAGE CRITERIA:	Securely sealed in original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
GLYCEROL	56-81-5	OES	10 mg/m ³	

INGREDIENT COMMENTS:	Refer to the current edition of HSE Guidance Note EH 40/200* for occupational exposure limits; - listed as glycerol, mist
RESPIRATORS:	No special respiratory equipment is required under normal conditions of use with adequate ventilation. Use of respiratory protective equipment is recommended where there is risk of high vapour or mist concentration.
EYE PROTECTION:	Use eye protection if eye contact is likely.
OTHER PROTECTION:	Wear personal protective equipment appropriate to the quantity of material handled.
HYGIENIC WORK PRACTICES:	Apply good personnel hygiene principles, such as washing of hands, arms and face.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Viscous colourless liquid.		
PHYSICAL DATA COMMENTS:	Combustible substance.		
DENSITY/SPECIFIC GRAVITY (g/ml):	1.26	Temperature (°C):	20
VAPOUR DENSITY (air=1):	3.17		

VAPOUR PRESSURE:	< 0.01 hPa	Temperature (°C):	20
pH-VALUE, CONC. SOLUTION:	7		
SOLUBILITY DESCRIPTION:	Miscible with water in all proportions.		
FLASH POINT (°C):	~ 175 °C	Method:	OC (Open cup).
AUTO IGNITION TEMP. (°C):	370		

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	Avoid excessive heat.
MATERIALS TO AVOID:	Oxidising agents. Mineral acids, Calcium hypochlorite, Acetic anhydride.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition or burning will release oxides of carbon.

11. TOXICOLOGICAL INFORMATION:

TOXIC DOSE - LD 50:	25000 mg/kg (oral rat)
HEALTH HAZARDS, GENERAL:	No specific health effects anticipated with this product.

12. ECOLOGICAL INFORMATION:

LC 50, 96 HRS, FISH mg/l:	> 1000mg/l
DEGRADABILITY:	Readily biodegradable.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	Disposal should be in accordance with the principles of Duty of Care observing local and national regulations.
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14. TRANSPORT INFORMATION:

GENERAL:	Not classified as hazardous for transport.
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15. REGULATORY INFORMATION:

UK REGULATORY REFERENCES: This product is not classed as dangerous substance under the classification, packaging and labelling of dangerous substances regulations.

16. OTHER INFORMATION:

INFORMATION SOURCES: This product has been classified in accordance with CHIP3 regulations.

REVISION COMMENTS: Edition 01; Revised item(s):

ISSUED BY: MK

SDS No.: 219

DATE: 12/07/02

DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.