



# SAFETY DATA SHEET

## SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

<b>Product Identifier</b>	<b>GLYCERINE</b>
<b>Other Names</b>	Glycerol
<b>Manufacturer's Product Code</b>	16935
<b>Recommended Use</b>	Pharmaceutical, food, cosmetics and industrial applications

### Details of Supplier/Manufacturer

Company:	Recochem Inc. ABN: 69 010 485 999
Address:	1809 Lytton Road, Lytton, Queensland 4178
Phone:	(07) 3308 5200 Fax: (07) 3308 5201
Website:	www.recochem.com.au

### Emergency Telephone Numbers

Business Hours:	(07) 3308 5200
After Hours:	1300 131 001
Poisons Information:	Australia: 13 11 26 New Zealand: 0800 764 766

## SECTION 2 HAZARDS IDENTIFICATION

<b>Non-hazardous chemical</b>	<i>according to classification by Safe Work Australia</i>
<b>Non-dangerous goods</b>	<i>according to the Australian Code for the Transport of Dangerous Goods by Road and Rail</i>

### Precautionary statements:

<b>GENERAL</b>	
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use

## SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

### Ingredients Names and Proportions

Chemical Entity	CAS Number	Proportion (%)
Glycerol	56-81-5	> 98

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**SECTION 4 FIRST AID MEASURES**

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**Description of necessary first aid measures**

Inhalation:	Remove victim to fresh air if safe to do so. Seek medical attention for any breathing difficulty
Skin Contact:	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention
Eye Contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists, seek medical attention
Ingestion:	If swallowed, do NOT induce vomiting. Administer water. If irritation persists, seek medical attention

**Symptoms caused by exposure**

Inhalation:	May cause irritation
Skin:	May cause irritation
Eye:	May cause irritation
Ingestion:	May cause irritation

**Medical attention and special treatment**

Treat symptomatically.

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**SECTION 5 FIRE FIGHTING MEASURES**

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**Suitable extinguishing equipment**

Water fog or spray, dry chemical, carbon dioxide, alcohol-resistant foam. Do not use water in a jet.

**Specific hazards arising from the chemical**

May emit toxic fumes under fire conditions.

**Special protective equipment and precautions for fire fighters**

Wear full protective clothing and self-contained breathing apparatus.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures**

Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Ventilate contaminated area thoroughly.

**Environmental precautions**

Use appropriate containment to avoid environmental contamination.

**Methods and materials for containment and cleaning up**

Use appropriate instruments to put the spilled material in a waste disposal container. Dispose of in accordance with regional regulations.

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**SECTION 7 HANDLING AND STORAGE**

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**Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Do not ingest. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Keep containers tightly closed as glycerol is hygroscopic (absorbs water). Handle and open containers with care in a well-ventilated area.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, well-ventilated area.

**SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure control measures**Glycerol: 10mg/m<sup>3</sup> TWA.**Biological monitoring**

No biological limit allocated.

**Engineering controls**

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

**Individual protection measures**

Eye and face protection:	Wear safety goggles.
Skin protection:	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
Respiratory protection:	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Thermal hazards:	Not applicable.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear viscous liquid
Odour:	Odourless, sweet taste
Odour threshold (ppm):	Data not available
pH:	Neutral (1%)
Melting point/freezing point (°C):	18 approx.
Initial boiling point and boiling range (°C):	290 approx.
Flash point (°C):	> 198
Evaporation rate (Butyl acetate = 1):	Data not available
Flammability:	Non-flammable
Upper/lower flammability or explosive limits (%):	Data not available
Vapour pressure (mbar @ 50°C):	0.0025
Vapour density (air = 1):	Data not available
Density (g/ml @ 20°C):	1.26
Solubility:	Miscible in water
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature (°C):	400
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm <sup>2</sup> /s @ 20°C):	Data not available

**Product: GLYCERINE**

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**SECTION 10 STABILITY AND REACTIVITY**

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**Reactivity**

Stable under normal conditions of use.

**Chemical stability**

Stable under normal conditions of use.

**Possibility of hazardous reactions**

Stable under normal conditions of use.

**Conditions to avoid**

Slight fire hazard when exposed to heat or flame.

**Incompatible materials**

Strong oxidising agents.

**Hazardous decomposition products**

Oxides of carbon and nitrogen.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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Acute toxicity:	Low toxicity
Skin corrosion/irritation:	May cause irritation
Serious eye damage/irritation:	May cause irritation
Respiratory or skin sensitisation:	Not expected to be a sensitiser
Germ cell mutagenicity:	No evidence of mutagenic activity
Carcinogenicity:	Not carcinogenic in animal studies
Reproductive toxicity:	Not expected to impair fertility
Specific Target Organ Toxicity (STOT) – single exposure:	May cause respiratory tract irritation
Specific Target Organ Toxicity (STOT) – repeated exposure:	Data not available
Aspiration hazard:	Data not available

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Acute toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Chronic toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available

**Product: GLYCERINE**

Algae –	Data not available
Microorganisms –	Data not available

**Persistence and degradability**

Data not available.

**Bioaccumulative potential**

Data not available.

**Mobility in soil**

Miscible with water.

**Other adverse effects**

Data not available.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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<b>UN number:</b>	Not applicable
<b>Proper shipping name:</b>	Not applicable
<b>Australian Dangerous Goods class:</b>	Not applicable
<b>Australian Dangerous Goods packing group:</b>	Not applicable
<b>Hazchem code:</b>	Not applicable

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**SECTION 15 REGULATORY INFORMATION**

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Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	Not scheduled
Australian Inventory of Chemical Substances (AICS):	Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76):	Not applicable

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**SECTION 16 OTHER INFORMATION**

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Date of preparation:	27/04/2021
Revision number:	3
Changes in this revision:	Reviewed due to expiration

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This SDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. Recochem cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact Recochem on (07) 3308 5200.

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