



Infosafe No™	1CH30	Issue Date : September 2013	RE-ISSUED by CHEMSUPP
--------------	-------	-----------------------------	-----------------------

Product Name : **GLYCERINE**

Not classified as hazardous

1. Identification

GHS Product Identifier	GLYCERINE		
Company Name	CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)		
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia		
Telephone/Fax Number	Tel: (08) 8440-2000 Fax: (08) 8440-2001		
Recommended use of the chemical and restrictions on use	Alkyd resins, dynamite, ester gums, pharmaceuticals, perfumery, plasticiser for regenerated cellulose, cosmetics, foodstuffs, sweetener, liqueurs, confectionery, conditioning tobacco, liquors, solvent, printer's ink rolls, polyurethane polyols, manufacture of nitroglycerine (dynamite), elastic glues, emulsifying agent, rubber stamp and copying inks, binder for cements and mixes, special soaps, lubricant and softener, bacteriostat, penetrant, hydraulic fluid, shock absorber fluid, humectant, fermentation nutrients, antifreeze mixtures and laboratory reagent.		
Other Names	Name	Product Code	
	GLYCERINE LR	GL010	
	GLYCERINE USP/BP	GP010	
	GLYCERINE AR	GA010	
	Glycerol		
	1,2,3-Propanetriol		
	Trihydroxypropane		
	Glycerin		
	Glycyl alcohol		
	GLYCERINE Vegetable Grade	GP044	
Other Information	EMERGENCY CONTACT NUMBER: +61 08 8440 2000 Business hours: 8:30am to 5:00pm, Monday to Friday.		

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture	Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004) 3rd Edition, Safe Work Australia. Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).
--	--

3. Composition/information on ingredients

Chemical Characterization	Liquid				
Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Glycerol	56-81-5	100 %		

4. First-aid measures

Inhalation	Remove victim to fresh air. Employ artificial respiration if indicated. Seek medical attention.
Ingestion	Rinse mouth thoroughly with water immediately. If swallowed, do NOT induce vomiting. Seek medical advice.
Skin	Wash affected areas with copious quantities of water immediately. If irritation occurs seek medical advice.
Eye contact	Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.
First Aid Facilities	Maintain eyewash fountain in work area.
Advice to Doctor	Consult Poisons Information Centre.



Infosafe No™	1CH30	Issue Date : September 2013	RE-ISSUED by CHEMSUPP
--------------	-------	-----------------------------	-----------------------

Product Name : **GLYCERINE**

Not classified as hazardous

Other Information For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Suitable extinguishing media No limitations to the type of extinguishing media.

Hazards from Combustion Products Oxides of carbon.

Specific Methods Small fire: Use dry chemical, CO₂, water spray or alcohol-resistant foam.
Large fire: Use water spray, fog or foam.

Specific hazards arising from the chemical May burn but do not ignite readily. Containers may explode when heated. Runoff may pollute waterways. Fire may produce irritating, poisonous and/or corrosive gases.

Precautions in connection with Fire Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Personal Precautions Avoid inhalation, contact with skin, eyes and clothing.

Personal Protection Wear protective clothing specified for normal operations (see Section 8)

Clean-up Methods - Small Spillages Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.

Environmental Precautions Prevent further leakage or spillage and prevent from entering drains

7. Handling and storage

Precautions for Safe Handling Avoid skin and eye contact. Avoid generating and inhaling mist. Use in ventilated areas.

Conditions for safe storage, including any incompatibilities Store in cool place and out of direct sunlight. Store away from sources of heat or ignition. Keep containers closed at all times. Keep in a well-ventilated place

Storage Regulations Classified as a C2 (Comustible liquid) for the purpose of storage and handling. Refer Australian Standard AS 1940 - 1993 'The storage and handling of flammable and combustible liquids'.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m ³	ppm	mg/m ³	ppm	
	Glycerol			10		
Other Exposure Information	A time weighted average (TWA) has been established for glycerin mist (Worksafe Aust) of 10 mg/m ³ . The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.					
Appropriate engineering controls	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.					
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.					
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate.					
Hand Protection	Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and					



Infosafe No™	1CH30	Issue Date : September 2013	RE-ISSUED by CHEMSUPP
--------------	-------	-----------------------------	-----------------------

Product Name : **GLYCERINE**

Not classified as hazardous

Footwear	maintenance. Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Body Protection	Clean clothing or protective clothing should be worn, preferably with and apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form	Liquid
Appearance	Colourless liquid.
Odour	Odourless.
Melting Point	18 °C
Boiling Point	290 °C
Solubility in Water	Soluble.
Solubility in Organic Solvents	Soluble in alcohol. Insoluble in ether, benzene, chloroform, carbon tetrachloride, carbon disulfide and in fixed and volatile oils.
Specific Gravity	1.25
pH	Neutral to litmus.
Vapour Pressure	0.0025 mm @ 50 °C
Vapour Density (Air=1)	3.17
Flash Point	199 °C c.c.
Flammability	Combustible.
Auto-Ignition Temperature	392 °C
Molecular Weight	92.09
Other Information	Sweet warm taste. About 0.6 times as sweet as cane sugar. Absorbs moisture from air, also absorbs H ₂ S, HCN and SO ₂ .

10. Stability and reactivity

Chemical Stability	Stable.
Conditions to Avoid	Heat, flames, ignition sources and imcompatibles.
Incompatible Materials	Strong oxidizing agents, halogens, ethylene oxide, and nitric acid/sulfuric acid. May react violently with acetic anhydride, nitrobenzene and alkali metal hydrides.
Hazardous Decomposition Products	Oxides of carbon.
Possibility of hazardous reactions	Contact with strong oxidizing agents such as chromium trioxide, potassium chlorate and potassium permanganate may produce an explosion.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat): 12600 mg/kg.
Ingestion	May be harmful if swallowed. May cause drowsiness, gastrointestinal pain, cramps, nausea, headaches, dizziness, vomiting and diarrhoea, unconsciousness, and if excessively large amounts are ingested, may experience dehydration, nausea, vomiting, kidneys, coma and death may result.
Inhalation	Irritating to mucous membranes and respiratory tract.
Skin	May be harmful if absorbed through the skin causing irritating.
Eye	May cause irritation to the eyes with symptoms including redness, burning sensation and tearing.
Carcinogenicity	No evidence of carcinogenic properties.
Chronic Effects	Chronic poisoning by ingestion or inhalation may include headache, giddiness, disturbance of vision, smell, taste and sleep, trembling of the limbs, weakness and mental excitement. May be accompanied by loss of appetite, nausea, vomiting and diarrhoea. Prolonged or repeated exposure may cause toxicity to kidneys.



Infosafe No™	1CH30	Issue Date : September 2013	RE-ISSUED by CHEMSUPP
--------------	-------	-----------------------------	-----------------------

Product Name : **GLYCERINE**

Not classified as hazardous

Mutagenicity No evidence of mutagenic effects.**12. Ecological information****Persistence and degradability** Biologic degradation: 63%/14d**Bioaccumulative Potential** No bioaccumulation is to be expected (log P(o/w) <1).**Acute Toxicity - Fish** LC50(Carassius auratus): > 5000 mg/l /24 h.**Acute Toxicity - Daphnia** EC50 (Daphnia magna): > 10000 mg/l /24 h.**Acute Toxicity - Algae** IC5 (Scenedesmus quadricauda): > 10000 mg/l /7d.**Acute Toxicity - Bacteria** EC5(Pseudomonas putida): > 10000 mg/l /16 h.**Acute Toxicity - Other Organisms** Protozoa: EC5 (Entosiphon sulcatum): 3200 mg/l /72 h.**13. Disposal considerations****Disposal Considerations** Dispose of according to relevant local, state and federal government regulations.**14. Transport information****Transport Information** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.**15. Regulatory information****Regulatory Information** Listed in the Australian Inventory of Chemical Substances (AICS).**Poisons Schedule** Not Scheduled**16. Other Information**

Literature References

'Standard for the Uniform Scheduling of Medicines and Poisons No. 3', Commonwealth of Australia, June 2012.

Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.

'Labelling of Hazardous Workplace Chemicals, Code of Practice' Safe Work Australia.

Standards Australia 'AS 1940-2004 The Storage and Handling of Flammable and Combustible Liquids.

Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.

Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]'.

Worksafe Australia, 'Hazardous Substances Information System, 2005'.

Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Hazardous Substances (2011)'.

Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.

Contact Person/Point Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**
All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Chem-Supply accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.

Empirical Formula & Structural Formula CH₂ OH CH OH CH₂ OH**User Codes****User Field Title**

CAS No.

User Code

56-81-5



chem-supply

Safety Data Sheet

infosafe
CS: 1.7.2

Page: 5 of 5

Infosafe No™	1CH30	Issue Date : September 2013	RE-ISSUED by CHEMSUPP
--------------	-------	-----------------------------	-----------------------

Product Name : **GLYCERINE**

Not classified as hazardous

...End Of MSDS...

© Copyright ACOHS Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.
The compilation of MSDS's displayed is the intellectual property of Acohs Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Acohs Pty Ltd.