

Safety Data Sheet

Glycol USP Mountain Cleaning Products

Issue Date: March 2023

Valid to: March 2028


SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

Trade Name:	Glycol USP
Synonyms:	NA
Chemical Formula:	NA
CAS Number:	NA
Product Uses:	Food-grade top up refrigerant, with corrosion control, for beer cooling systems.
Supplier/Manufacturer:	Mountain Cleaning Products
Address:	173 Wilson St, South Lismore, NSW 2480
Telephone:	02 6622 8733
Email:	support@mountaincleaning.com.au
Website:	www.mountaincleaning.com.au
Emergency Telephone:	13 11 26 (Poisons Information Centre)

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification:	Skin sensitisation (Category 1)
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LABELLING ELEMENTS:

Signal Word:	Warning
Pictogram(s):	
Hazard Statement(s):	H317 May cause allergic skin reaction.
Precautionary Statement(s):	Prevention P261 Avoid breathing mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves. Response P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation occurs: Get medical advice.

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	P321 Specific treatment, see First Aid Measures on this Safety Data Sheet. P363: Wash contaminated clothing before reuse.
Storage:	None allocated.
Disposal:	P501 Dispose of contents/container to an approved waste disposal plat.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	CAS No.s	Percentage (w/w)	Classification
Water	7732-18-5	10 – 30%	
1,2-Propandiol	57-55-6	> 60%	
1,2-Benzisothiazolin-3-one	2634-33-5	< 10%	H315 + H317 + H318 + H302
Other ingredients determined to be non hazardous or below concentration cut offs		< 10%	

SECTION 4: FIRST AID MEASURES

First Aid Facilities:	Normal washroom facilities.
Eye Contact:	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Remove contact lenses if possible to do so, as contact lenses (especially soft lenses) can concentrate irritants.
Skin Contact:	Remove contaminated clothing. Wash affected skin with plenty of soap and water. Seek medical advice if irritation, burning or redness develops.
Inhalation:	Remove victim to fresh air away from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position, keep warm and at rest. Seek medical attention if necessary.
Ingestion:	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. If conscious, rinse mouth thoroughly with water and give water to drink. If vomiting

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	occurs, give further water to achieve effective dilution. Seek medical advice.
Advice to Doctor:	No specific antidote. Treat symptomatically. All treatments should be based on observed signs and symptoms of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
Scheduled Poisons:	Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons. Phone Australia 13 11 26.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazard:	Non-combustible. However if involved in a fire will emit toxic fumes.
Extinguishing Media:	If material is involved in a fire use fine water spray, normal foam or dry agent extinguisher (carbon dioxide or dry chemical powder).
Fire Fighting:	Keep containers exposed to extreme heat cool with fine water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area and move upwind of fire.
Flash Point:	None.
Hazchem Code:	None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Minor Spills:	Do not normally require special clean-up measures. Sweep up residues and rinse area with water.
Major Spills:	For example transport accident or bulk spill. Clear area of unprotected personnel. Work up wind or increase ventilation. Prevent spillage from entering drains or watercourses due to pH effect. Wear appropriate protective equipment (see section 8) to prevent skin and eye contamination. Contain spillage, then cover/absorb spill into dry, inert material (e.g. sand, earth or vermiculite), collect and place into suitable containers, appropriately labeled, for disposal by an approved agent

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	according to local conditions. Spillage area may remain slippery. Flush spill area with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.
PPE:	Personal protective equipment advice is contained in Section 8 of this document.

SECTION 7: HANDLING AND STORAGE

Handling:	Avoid skin contact. Do not eat, drink or smoke when handling product. Always wash hands with soap and water after handling.
Storage:	Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (see Section 10). Keep containers closed at all times when not in use. Check regularly for leaks or damage.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: None established for this product.

Ingredient	TWA	STEL	DNEL
1, 2-propandiol	150 ppm, 474 mg/m ³	150 ppm, 474 mg/m ³	

Personal Protection:	Use good occupational work practice. The use of protective clothing and equipment depends on the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances e.g. methods of handling and according to risk assessments undertaken.
Engineering Controls:	Ensure ventilation is adequate. Avoid generating mists of the product. If mists or vapours are produced, use local exhaust ventilation. Ensure airflow is directed away from operators.

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Eye and Face Protection:	Not normally required. Safety glasses or face protection are recommended when handling in quantity e.g. decanting, cleaning up spills.
Hand and Skin Protection:	Wear impervious PVC or rubber gloves (long) to dispense. When using large quantities or where heavy contamination is likely, wear coveralls and a PVC apron.
Inhalation Protection:	Not normally required under normal use conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colourless liquid
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Odour:	No odour	Vapour Pressure:	10pa at 20 °C
Odour Threshold:	Not available	Relative Vapour Density:	Not available
pH:	8.0 – 9.5 neat	Relative Density (Water=1):	1.0 - 1.1 at 25 °C
Melting Point:	Below -50 °C	Water Solubility:	Soluble in water and various organic solvents
Boiling Point:	Approx. 114 °C	Partition Coefficient n-Octanol/Water	Not available
Flash Point:	> 99 °C (TCC)	Auto-ignition Temperature	Not available
Evaporation Rate:	Not available	Decomposition Temperature	Not available
Flammability:	Not flammable	Viscosity	Viscous
Upper/Lower Flammability:	None		

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Low.
Chemical Stability:	Stable under normal conditions of storage and handling.
Possibility of Hazardous Reactions:	Product may emit carbonyl and dioxolane derivatives.
Conditions to Avoid:	None known.

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Incompatible Materials:	Metals salts, oxidisers, reducing agents and combustible materials.
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SECTION 11: TOXICOLOGICAL INFORMATION

Inhaled:	There is no vapour associated with product. Exposure to mists may cause slight irritation to nose and throat.
Skin Contact:	Generally non-irritating. However may cause sensitization or an allergic reaction in some individuals.
Eye Contact:	May cause mild eye irritation or watering.
Ingestion:	Not expected to be a hazard under normal use conditions. Swallowing large amounts of this product can cause stomach irritation, nausea and diarrhoea.
Acute Toxicity:	Not toxic by calculation. No LD50 data available for this product. For constituent, 1,2-propandiol (at 100%): Oral LD50 (rat) – 20,000 – 34,000mg/kg For preservative (at 20%): Oral LD50 (rat) – 1020mg/kg
Chronic:	No information available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Not toxic by calculation. No LC50 data available for this product.
Persistence and Degradability:	Individual components stated to be biodegradable.
Bioaccumulative Potential:	Bioaccumulation is not expected.
Mobility in Soil:	Not known.
Other Adverse Affects:	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.
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SECTION 14: TRANSPORT INFORMATION

ADG Code Classification:	Not a dangerous good.
UN No.:	Not applicable.
Proper Shipping Name:	Not applicable.
Transport Hazard Class:	Not applicable.
Packing Group:	Not applicable.
Hazchem Code:	Not applicable.
Environmental Hazards for Transport:	Not applicable.

SECTION 15: REGULATORY INFORMATION

SUSMP (Poison Schedule):	Not a scheduled poison.
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SECTION 16: OTHER INFORMATION

Acronyms:	ADG – Australian Code for the Transport of Dangerous Goods by Road and Rail. AICS – Australian Inventory of Chemical Substances. CAS No. – Chemical Abstract Service Number used to uniquely identify chemical compounds. GHS – Globally Harmonised System. HAZCHEM – An emergency action code that gives information to emergency services during transport emergencies. IARC – International Agency for Research on Cancer. LC50 – Lethal concentration to kill 50% of test population. LD50 – Lethal dose, to kill 50% of test population. Mg/m ³ – Milligrams per cubic metre. PPM – Parts per million. STEL – Short Term Exposure Limit. STOT – SE/RE – Specific Target Organ Toxicity (single/repeated exposure). SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons.
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	TWA/OEL – Time Weighted Average/Occupational Exposure limit.
Literature References:	Australian Code for the Transport of Dangerous Goods by Road & Rail – Ed.7.7, 2020. Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice. July 2020 – Safe Work Australia. Global Harmonized System of Classification and Labelling of Chemicals (GHS). Seventh revised edition. Standard for the Uniform Scheduling of Medicines and Poisons. October 2022. Safety Data Sheets for individual raw materials – all suppliers.
Revision History:	V1.0 Initial SDS for GHS compliance. Rev 1.1 Extension for GHS7 transition. Rev 1.2 Extension for GHS7 transition. V2.0 GHS7
Prepared By:	Mountain Cleaning Products Regulatory Service.

END OF SDS