



SAFETY DATA SHEET

Product: Glycool Concentrate

1. Product Identification

Product Details

Product Identifier Glycool Concentrate
Product Code 6030
Recommended Use Engine Coolant

Manufacturer or Supplier Details

Supplier Royal Precision Lubricants Pty Ltd
(ABN 72 155 989 165)
Address 40 Kimberly Road, DANDENONG SOUTH, VIC, 3175
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Email info@royallubricants.com.au

2. Hazard(s) Identification

GHS Classification

Classified as Hazardous according to the Globally Harmonised System of Classification on and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Acute Toxicity – Oral: Category 4

STOT Repeated Exposure: Category 2

Signal Word (s)

WARNING

Hazard Statement (s)

Harmful if swallowed.

May cause damage to organs through prolonged or repeated exposure.

Pictogram (s)

Exclamation mark, Health hazard



Precautionary Statements

Precautionary Statements – Prevention

Do not breathe dust/fume/gas/mist/vapours/spray.
Wash contaminated skin thoroughly after handling.
Do not eat, drink or smoke when using this product.



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Precautionary Statements – Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste facility.

3. Composition / Information on Ingredients

Ingredients:

Ingredient	% (w/w)	CAS Number
Monothylene Glycol	60-90%	107-21-1
Ingredients determined to be non-hazardous at the formulation concentration	to 100%	

4. First Aid Measures

- Eye contact:** Hold eyelids open and irrigate continuously with water for 15 minutes. Seek medical advice.
- Inhalation:** Remove victim from area of exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if symptoms persist.
- Skin contact:** If skin or hair contact occurs, remove any contaminated clothing and wash skin and hair thoroughly with running water. If irritation occurs seek medical assistance.
- If swallowed:** Do NOT induce vomiting. Wash mouth out with water. Give water to drink. Seek medical advice.
- Protection of first-aiders:** When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.
- Notes to physician:** Treat symptomatically. Show this MSDS to the medical practitioner.

Other Information

For advice in an emergency, contact a Poisons Information Centre or a doctor at once.
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5. Fire Fighting Measures

Suitable Extinguishing Media:	Combustible. Use water spray or fog, alcohol stable foam, dry chemical powder or carbon dioxide.
Hazards from Combustion Products:	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches etc. Decomposes on heating and may produce toxic fumes.
Specific Methods:	Keep containers cool with water spray. Fire fighters to wear self contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

6. Accidental Release Measures

Emergency Procedures:	Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours. Contain – prevent run off into drains and waterways. If contamination of sewers or waterways has occurred advise local emergency services.
Spills & Disposal:	Slippery when spilt. Remove all ignition sources. Clean up spills immediately. Collect and seal in properly labelled containers for disposal. Contain spills with inert absorbent material (eg. sand, earth). Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.
Personal Protection:	Gloves, chemical resistant boots and safety glasses/goggles are recommended. Breathing apparatus may be worn if ventilation is inadequate.

7. Handling and Storage

Precautions for Safe Handling:	Avoid skin and eye contact and breathing in vapour. Do not allow clothing wet with material to stay in contact with skin. Use in a well ventilated area. Keep away from sources if ignition.
Conditions for safe storage, including any incompatibilities:	Combustible liquid. Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks or build up of pressure. Avoid reactions with oxidising agents, strong acids & strong alkalis.

8. Exposure Control / Personal Protection

Occupational exposure limit values:	No value assigned for this specific material by Safe Work Australia. ETHYLENE GLYCOL: TWA=20ppm, STEL=40ppm
Appropriate Engineering Controls:	Combustible liquid. Use in well ventilated areas. Keep containers closed when not in use.



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Personal Protective Equipment

Respiratory Protection:

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet.

Wash contaminated and other protective equipment before storage or reuse.

9. Physical and Chemical Properties

Form	Liquid
Appearance	Green liquid
Odour	Slight
Melting Point	Not available
Boiling Point	>100°C
Solubility in Water	Miscible
pH Value	8.0 – 9.7
Specific Gravity	1.10 – 1.12
Flash Point	116°C (CC) - Ethylene Glycol
Flammability	Combustible Liquid
Flammable Limits – Lower	3.2% (ethylene glycol vapour in air)
Flammable Limits - Upper	12.8% (ethylene glycol vapour in air)

10. Stability and Reactivity

Chemical stability:

Product considered stable under normal conditions of use.

Incompatible Materials:

Avoid contact with oxidising agents, strong acids and strong alkalis.

11. Toxicological Information

Ingestion:

Swallowing can result in nausea, vomiting and diarrhea and abdominal pain.

Inhalation:

May cause respiratory tract irritation, drowsiness and dizziness.

Skin:

Contact with skin can result in irritation.

Eye:

May be an eye irritant.

Chronic Effects:

May cause damage to organs through prolonged or repeated exposure. Repeated or prolonged skin contact may cause dermatitis.

The toxic effects of glycols are similar to those of alcohol, with depression of the central nervous system, nausea, vomiting, and degenerative changes in the liver and kidney.



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12. Ecological Information

Ecotoxicity: Not considered hazardous for the environment based on the currently available information.

13. Disposal Considerations

Disposal Considerations: Refer to Waste Management Authority. Dispose if material through a licensed waster contractor. Empty containers must be decontaminated and destroyed. Normally suitable for incineration by an approved agent.

14. Transport Information

Transport Information: Store away from oxidising agents. Store in a cool, dry place.
Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number: None Allocated

UN Proper Shipping Name: None Allocated

Transport Hazard Class(es): None Allocated

15. Regulatory Information

Poisons Schedule

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Australia (AICS)

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

16. Other information

Date of Issue 17th July 2018

Abbreviations

ADG = Australian Dangerous Goods
GHS = Globally Harmonised System of Classification and Labelling of chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk container
IMDG = International Maritime Dangerous Goods
STEL = Short term exposure limit
TWA = time weighted average



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References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Workplace exposure standards, Safe Work Australia.
Hazardous Substances/Chemicals Information System, Safe Work Australia.
Globally Harmonised System of classification and labelling of chemicals.
Raw material suppliers' SDS.

Other Information

Reason(s) for Issue: GHS Update

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed.
Never return any unused material to original drum.

The information contained in this SDS is as accurate as we can ascertain at this time. However, as the information is gleaned from a number of third party sources, Royal Precision Lubricants can make no warranty, guarantee or statement as to the reliability or completeness of the information. Royal Precision Lubricants will not accept liability of any damages whatsoever arising from the reliance of this information. It is the responsibility of the person handling the product to satisfy themselves as to the suitability and completeness of such information for their own use.

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