

# SAFETY DATA SHEET

## Product: Glycool Concentrate

### 1. Product Identification

#### Product Details

Product Identifier	Glycool Concentrate
Product Code	6511
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
Telephone	+61 3 9768 2441
Fax	+61 3 9768 3325

**Emergency Telephone Number** +61 7 3203 2833

**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. (7<sup>th</sup> 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
Monoethylene 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.  
(131 126)



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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 of 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

<b>Form</b>	Liquid
<b>Appearance</b>	Green liquid
<b>Odour</b>	Slight
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	>100°C
<b>Solubility in Water</b>	Miscible
<b>pH Value</b>	8.0 – 9.7
<b>Specific Gravity</b>	1.10 – 1.12
<b>Flash Point</b>	116°C (CC) - Ethylene Glycol
<b>Flammability</b>	Combustible Liquid
<b>Flammable Limits – Lower</b>	3.2% (ethylene glycol vapour in air)
<b>Flammable Limits – Upper</b>	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**  
S6

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

## 16. Other information

**Date of Issue** 17<sup>th</sup> 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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**...END OF SDS...**