



Safety Data Sheet

Issue Date: 22 June 2015

Issued by: Royal Precision Lubricants

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Product Name: Anti-Freeze/Boil Coolant

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Anti-Freeze/Boil Coolant
Product Code 6030
Product Use Engine Coolant

Company Name Royal Precision Lubricants Pty Limited (ABN 72 155 989 165)
Address 40 Kimberly Road, Dandenong South, Vic., 3175.
Telephone +61 3 9768 2441
Fax +61 3 9768 3325

2. HAZARDS IDENTIFICATION

Hazard Classification; HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

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

Risk Phrase(s)

R22 Harmful if swallowed.

Safety Phrase(s)

S2 Keep out of reach of children.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical CharacterizationLiquid
Ingredients

Name	CAS	Proportion
is non- hazardous at the formulation concentration		up to 100%
Monoethylene Glycol	107- 21- 1	60- 90 %

4. FIRST AID MEASURES

First Aid Measures

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764 766), or a doctor.

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.

Ingestion

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Do NOT induce vomiting. Wash mouth out with water. Give water to drink. Seek medical advice.

Skin

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.

Eye

Hold eyelids open and irrigate continuously with water for 15 minutes. Seek medical advice.

Advice to Doctor

Treat symptomatically. Show this MSDS to the medical practitioner

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 absorbant 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

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 CONTROLS/PERSONAL PROTECTION**National Exposure Standards**

No value assigned for this specific material by Safe Work Australia. ETHYLENE GLYCOL: TWA=20ppm, STEL=40ppm

Engineering Controls

Combustible liquid. Use in well ventilated areas. Keep containers closed when not in use.

Personal Protective Equipment

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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

Boiling Point

>100°C

Solubility in Water miscible

Specific Gravity 1.10-1.12

pH Value 8.0 - 9.7

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

Inhalation

May cause respiratory tract irritation, drowsiness and dizziness.

Ingestion

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

Skin

Contact with skin can result in irritation.

Eye

May be an eye irritant.

Chronic Effects

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.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

13. DISPOSAL CONSIDERATIONS

Product Name: Anti-Freeze/Boil Coolant

Disposal considerations

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Empty containers must be decontaminated and destroyed. Normally suitable for incineration by an approved agent.

14. TRANSPORT INFORMATION

Transport Information

Store away from oxidizing 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.

U.N. Number None Allocated

DG Class

None Allocated

Packing Group None Allocated

15. REGULATORY INFORMATION

Regulatory information

Classified as hazardous according to criteria of NOHSC

HAZARDOUS SUBSTANCE. SCHEDULED POISON.

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule S6

Hazard Category Harmful

Australia (AICS)

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

Contact Point: Technical Manager

Phone: 07 3203 2833

....End of MSDS....

The information contained in this MSDS is as accurate as we can ascertain at this time. However, as the information is gleaned from a number of third party sources Otech Australia can make no warranty, guarantee or statement as to the reliability or completeness of the information. Otech Australia 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.