



Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: **Fortron 50/50 PREMIX LONG LIFE COOLANT**

Other Names: **PREMIX 50/50 COOLANT LONG LIFE - RED
FLLCMB – 205 litre drum**

Recommended Use: Ready to use automotive coolant and anti freeze – Long Life Red.

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2. HAZARDS IDENTIFICATION:

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
NOT A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

Symbol: Xn Harmful

Risk Phrase: R22 Harmful if swallowed

Safety Phrase: S2 Keep out of the reach of children

3. COMPOSITION/INFORMATION ON INGREDIENTS:

<u>Chemical Entity</u>	<u>CAS Number</u>	<u>Proportion (%)</u>
Ethylene Glycol	107-21-1	45 - 55



4. FIRST AID MEASURES:

Swallowed:	If swallowed do NOT induce vomiting. Have conscious person drink several glasses of water or milk. SEEK IMMEDIATE MEDICAL ATTENTION.
Eye:	If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists seek medical attention.
Skin:	If skin contact occurs, wash skin thoroughly with water and follow up by washing with soap if available. If irritation persists, seek medical attention.
Inhaled:	Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
First Aid Facilities:	Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
Advice to Doctor:	Treat symptomatically.
Additional Information:	None available.

5. FIRE FIGHTING MEASURES:

Extinguishing Media:	For a small fire use dry chemicals, carbon dioxide, water spray or foam. For large fires use water spray or fog. Do not use water jet.
Hazards from combustion products:	Carbon dioxide and carbon monoxide.
Precautions for Fire fighters & Special Protective Equipment:	Wear full protective clothing and self-contained breathing apparatus.
Additional Information:	When heated to decomposition, emits acrid smoke and irritating fumes. Not a product presenting risks of explosion.

6. ACCIDENTAL RELEASE MEASURES:

Observe all local and national regulations.

Spills and Disposal, Methods and Materials for Containment and Clean Up Procedures: For small spills, dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. For large spills, absorb with an inert material and put the spilled material in an appropriate waste disposal container. Dispose of in accordance with regional regulations.



7. HANDLING AND STORAGE:

Precautions for Safe Handling & Storage: Avoid contact with eyes, skin and clothing. DO NOT ingest. Avoid breathing vapour and mist, keep container closed. Keep container in a cool, well-ventilated area, away from strong oxidisers, and use only with adequate ventilation. Avoid all possible sources of ignition. Wash thoroughly after handling. Before eating, drinking or smoking, remove contaminated clothing. Do not eat, drink or smoke in contaminated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Exposure Standards:	National Occupational Health & Safety Commission (NOHSC) Worksafe Australia has set an exposure standard of 52 mg/m ³ (20ppm) TWA (vapour), 104 mg/m ³ (40ppm) STEL (vapour) and 10 mg/m ³ (particulate).
Biological Limit Values:	No biological limit allocated.
Personal Protective Equipment:	
Respiratory Protection:	Wear appropriate respirator when ventilation is inadequate.
Hand Protection:	Use solvent resistant gloves (Nitrile, PVC or neoprene).
Eye Protection:	Wear Safety goggles.
Protective Clothing:	No special protection is ordinarily required beyond standard issue work clothes.
Engineering Controls:	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Red / Pink viscous liquid
Odour:	None
pH:	7.5 to 8.5 (1% in water)
Vapour Pressure (mmHg @ 20°C):	0.06
Vapour Density (air = 1):	2.1
Boiling Point (°C):	107-8
Freezing / Melting Point (°C):	-37
Solubility in Water:	Soluble in water, methanol, diethyl ether
Specific Gravity (g/ml @15 °C):	1.07 – 1.08
Flashpoint:	N/A
Flammability Limits:	N/A
Auto Ignition Temperature:	N/A
Percent Volatiles:	0



10. STABILITY AND REACTIVITY:

Chemical Stability: Stable under normal conditions of use.

Conditions to Avoid: No additional remark.

Incompatible Materials: Strong oxidising agents, acids, alkalis.

Hazardous Decomposition Products: Burning can produce carbon monoxide and/or carbon dioxide.

11. TOXICOLOGICAL INFORMATION:

HEALTH EFFECTS - ACUTE

Swallowed: Hazardous in case of ingestion (approx. 100ml can be fatal).

Eye: Contact may cause eye irritation.

Skin: Irritant – prolonged contact may cause dermatitis.

Inhaled: Inhalation should be minimal since vapours are unlikely due to physical properties. Inhalation may cause irritation to lung.

Chronic: Toxic to Kidneys and Liver.

Toxicity to Animals: Acute oral toxicity (LD50): 4700mg/kg (Rat)
Acute dermal toxicity (LD50): 9530 mg/kg (Rabbit)

12. ECOLOGICAL INFORMATION:

Ecotoxicity:

Fish : Low toxicity: LC/EC/IC50 > 100 mg/l
Aquatic Invertebrates : Low toxicity: LC/EC/IC50 > 100 mg/l
Algae : Low toxicity: LC/EC/IC50 > 100 mg/l
Microorganisms : Low toxicity: LC/EC/IC50 > 100 mg/l

Persistence and Degradability: Biodegradable.

Mobility: Miscible with water.



13. DISPOSAL CONSIDERATIONS:

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

14. TRANSPORT INFORMATION:

UN Number: None Regulated
Proper Shipping Name: N/A
Class: N/A
Subsidiary Risk: N/A
Packaging Group: N/A
Special Precaution: None
Hazchem Code: N/A

15. REGULATORY INFORMATION:

Poisons Schedule: 5
AICS: Listed
Dangerous Goods Initial Emergency Response Guide (SAA HB76: 2004): N/A

16. OTHER INFORMATION:

Date of Issue: 22nd June 2011
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Please Note:

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