

MATERIAL SAFETY DATA SHEET



ANTIFREEZE ANTIBOIL

Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Antifreeze Antiboil
Product Code	501
Product Uses	Radiator coolant
Company Name	Lubrimaxx Pty Ltd (ABN 2500 685 0415)
Address	30 Spencer St, Sunshine West, VIC 3020
Telephone Number	(03) 9300 6900
Fax Number	(03) 9312 3239
Emergency Tel.	1800 023 005
Internet Website:	www.lubrimaxx.com

Section 2. HAZARDS IDENTIFICATION

Hazard Classification	Hazardous substance
Risk Phrase(s)	R22- Harmful if swallowed

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product contains mixture of paraffinics hydrocarbon distillates and performance additives

Ingredients:

Name	CAS Number	Proportion (%)
Additives determined not to be hazardous	N/A	0-1%
Corrosion inhibitor package	N/A	5-10%
Ehtylene glycol	107-21-1	To 100

Section 4. FIRST AID MEASURES

Inhalation: Remove the source of contamination, vapor, dust, spray or fumes or move the victim to fresh air. If symptoms develop seek medical attention.

Ingestion: Do not induce vomiting. Seek immediate attention. For advice, contact Poisons Information Centre (Phone 131126).

Skin: Wash affected area thoroughly with soap and water. Immediately remove contaminated. If symptoms develop seek medical attention.

Eye: If contact with the eyes, wash with copious amounts of water for at least 15 minutes. If symptoms persist seek medical attention.

First Aid Facilities: Eye wash and normal wash room facilities.

Advice to Doctor: Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing.

Hazards from Combustion Products: Depending on combustion conditions, a complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, will be evolved when this material undergoes combustion.

Special Protective Equipment: Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) in case of fire.

Section 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Personnel involved in clean up required to wear appropriate personal protective equipment and clothing to minimize exposure. Ventilate spillage area. Isolate the spillage and prevent the material to enter drains, sewers, waterways and soil. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling: Use in a well ventilated area. Store in cooled, well ventilated, low fire risk area, away from sources of heat or ignition.

Keep lids tightly closed.

Always wash hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage: Classified as a Class C1 (COMBUSTIBLE LIQUID) for the purposes of storage and handling. Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: The TWA National Occupational Health And Safety Commission (NOHSC) exposure standard for Ethylene Glycol (vapour) is 60 mg/m³. As with all chemicals, exposure should be kept to the lowest possible levels.

Engineering Controls: Use only in well ventilated areas.

Eye Protection: Avoid contact with the eyes. Wear safety glasses or face shield to avoid eye contact or splashing.

Hand Protection: Avoid contact with skin. Impervious gloves recommended. Wear suitable protective clothing.

Body Protection: Not normally required. Where splashing is possible suitable work wear

should be worn to protect personal clothing.

Respiratory protection: Do not breathe dust, fumes or vapor. Use approved respirator when exposed to concentration above the exposure limit.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green liquid
Specific Gravity	1.11 typical
Viscosity	Not available
Viscosity	Not available
Boiling Point	Approximately 197 °C
Melting Point	Not available
Flash point	Approximately 116°C
pH Value	7.5 – 8.5 (1% in water)
Flammability	Combustible liquid
Auto ignition temperature	Not available
Flammable limits	Not available
Solubility in water	Soluble
Biodegradability	Not classified as biodegradable

Section 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of storage and handling.

Conditions to Avoid: Heat, direct sunlight, open flames or other sources of ignition.

Incompatible Materials: Strong oxidizing agents, acids and alkalines.

Hazardous Decomposition products: Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Toxicology Information: For Ethylene Glycol:

Oral LD 50 (Rat) : 4700mg/kg

Dermal LD50 (rabbit): 9530 mg/kg

Inhalation: Avoid breathing vapour, dust, sprays or fumes

Ingestion: Hazardous in case of ingestion

Skin: May cause irritating to skin. Avoid contact with skin

Eye: May cause irritation to eyes. A

Chronic Effects: Prolonged or repeated contact may result in skin irritation leading to dermatitis.

Section 12. ECOLOGICAL INFORMATION

For Ethylene Glycol: Aquatic toxicity- LD50/24 hr (Goldfish) > 5000mg/L

Do not allow product to enter waste water, river or creeks

Section 13. DISPOSAL CONSIDERATIONS

Disposal method: In accordance with government regulations for the disposal of special waste. Always consider the recycling the product.
Contact local council for correct disposal methods

Section 14. TRANSPORT INFORMATION

Australian code for transport of Dangerous Goods by Road or Rail

U.N Number Not Available

U.N Proper Shipping Name Not available

Class Not available

Subsidiary Risk Not available

Packing Group Not available

Hazchem Code Not available

Transport information: Not classified as Dangerous Goods according to Australian Code for the Transport of Dangerous Goods by Road, Rail and Sea.

Section 15. REGULATORY INFORMATION

Poisons Schedule: S5

Hazard Category: Harmful

Section 16. OTHER INFORMATION

Contact Point Technical Manager

Phone (03) 9300 6900

Literature References: * NOHSC:2011 National Code of Practice for the Preparation of Material Safety Data Sheets

* NOHSC:1008 Approved Criteria for Classifying Hazardous Substances

* NOHSC:10005 List of Designated Hazardous Substances

Disclaimer: It is believed that the information given in this bulletin is accurate at the issue date. It is offered in good faith, but without guarantee and without acceptance of responsibility for its accuracy.

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It is the user's responsibility to verify the current formulation, specification or characteristics of a product, and to ascertain that it is suitable for an intended use or application.

Revision date: September 2012