

SAFETY DATA SHEET

Safety Data Sheet according to WHS and ADG requirements

This substance is classified as **Hazardous** according to the criteria of Worksafe Australia

ECO FREEZE ULTRA ECO CONCENTRATE - AOC6000

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name	ECO FREEZE ULTRA ECO CONCENTRATE COOLANT
Product Code	AOC6000
Product Use	Radiator Coolant
Company Name	Australian Organic Coolants
Address	PO Box 768, Bungalow, Queensland, 4870 AUSTRALIA
Telephone	61 7 4051 2400
Fax	61 7 4031 5490
Other Names	
Other Information	

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC

2. COMPOSITION / INFORMATION ON INGREDIENTS

Information on Composition	CAS number	Proportion
Glycerine	56-81-5	> 60%
Non-hazardous ingredients		To 100%

3. HAZARDS IDENTIFICATION

Most important hazards	Reacts violently with strong oxidants
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4. FIRST AID MEASURES

Eye Contact	Remove contact lenses, if any, rinse eyes with water until irritation subsides. Seek immediate medical attention.
Skin Contact	Remove patient to uncontaminated area. Remove contaminated clothing and rinse skin with cold water.
Ingestion	Induce vomiting if large amounts ingested.
Inhalation	No adverse effects expected.
Advice to Doctor	Use supportive care.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Water, fog, alcohol resistant foam, carbon dioxide, dry chemical.
Specific Hazard	Avoid from strong oxidizing agents.
Fire Fighting Instruction	Wear a positive pressure self contained breathing apparatus. Caution – acrolein may be released by combustion.

6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal	For small spillage, cover with absorbent material, soak up and sweep into a drum. For large spillage, dike around the spill and pump into suitable containers.
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7. HANDLING AND STORAGE

Storage & Transport	Store in a cool dry area. For quality preservation avoid high temperatures and ultraviolet light. Store away from strong oxidizing agents. Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Handling	Not hazardous material according to RID/ADR, GGVS/GGVE, ADN, IMDG, ICAO-TI/IATA-DGR. Avoid contact with eyes and skin.



8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits	None known
Personal Protection	Irritating to the eyes. Good industrial hygiene should be followed. Normal precautions should be observed as for handling all chemicals.
Engineering Controls	No special engineering requirements

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Florissant Green, syrupy liquid
Odour	Odourless
Boiling Point (°C)	290
Melting Point (°C)	18
Solubility in Water	Soluble in water
Specific Gravity	1.260 – 1.265 at 25 °C
Vapour Pressure (mm of Hg at 20°C)	0.0023
Flashpoint	160 °C
Auto Ignition Temperature	392 °C
Flammability Limit	Not known
Percentage Volatiles	Not more than 0.5%
Evaporation Rate	Less than 1 (Ether = 1)
Vapour Density	3.1 (Air = 1)
Molar Mass	92.11
Chemical Family	Polyhydric alcohol

10. STABILITY AND REACTIVITY

Conditions to Avoid	Avoid direct fire, strong oxidants/alkalis.
Incompatibles	Strong oxidants.
Decomposition Products	Carbon, carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Toxicity Data	LD ₅₀ (oral, rat) = 12600mg/kg LD ₅₀ (rat) > 570mm/m ³ /1H
Carcinogenicity	None
Reproductive Effect	No harmful effects expected
Effect of Overexposure	No harmful effects expected
Chronic Effects	Eyes, slight irritation
Target Organs	Ingestion – high doses – CNS effects, increase sugar and fat levels
Medical conditions generally aggravated by exposure	Eyes

12. ECOLOGICAL INFORMATION

Mobility	Not known
Bioaccumulation	Not known
Biodegradability	Biodegradable
Aquatic Toxicity	LC50 > 5000mg/l

13. DISPOSAL CONSIDERATIONS

For disposal information refer to the State Land Waste Management Authority or the Environmental Protection Authority

14. TRANSPORT INFORMATION

Not a hazardous material according to RID/ADR, GGVS/GGVE, ADN, IMDG, ICAO-TI/ATA-DGR

UN Number	None allocated
Proper Shipping Name	None allocated
DG Class	Glycerine
Hazchem Code	None allocated
Packaging Group	None allocated



15. REGULATORY INFORMATION

Glycerine 99.5% is categorized under non-hazardous chemicals

16. OTHER INFORMATION

Product has no known intrinsic harmful or hazardous properties when used for purpose intended.

Contact Point

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END OF SDS

