

# 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**

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

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

#### 4. FIRST AID MEASURES

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

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	Water, fog, alcohol resistant foam, carbon dioxide, dry chemical.
<b>Specific Hazard</b>	Avoid from strong oxidizing agents.
<b>Fire Fighting Instruction</b>	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.

## 7. HANDLING AND STORAGE

<b>Storage &amp; Transport</b>	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.
<b>Handling</b>	Not hazardous material according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR. Avoid contact with eyes and skin.



## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

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

## 12. ECOLOGICAL INFORMATION

<b>Mobility</b>	Not known
<b>Bioaccumulation</b>	Not known
<b>Biodegradability</b>	Biodegradable
<b>Aquatic Toxicity</b>	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, ADNR, IMDG, ICAO-TI/ATA-DGR

<b>UN Number</b>	None allocated
<b>Proper Shipping</b>	None allocated
<b>Name</b>	Glycerine
<b>DG Class</b>	None allocated
<b>Hazchem Code</b>	None allocated
<b>Packaging Group</b>	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**

