

MATERIAL SAFETY DATA SHEET

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

ECO SCALE – AOC4500 HEAVY DUTY ORGANIC CLEANER DESCALER

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name	ECO SCALE (AOC4500) Heavy Duty Organic Cleaner Descaler
Product Code	AOC4500
Product Use	Cleaning and descaling of cooling systems, heat exchangers, radiators and desalination pipe work
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	

2. COMPOSITION / INFORMATION ON INGREDIENTS

Information on Composition	Chemical entity	CAS number	Proportion
	Citric Acid	77-92-9	10 – 30%
	Other non-hazardous ingredients		To 100%

3. HAZARDS IDENTIFICATION

Human Health Hazards - ACUTE

Eyes	This product is irritating to the eyes, may cause stinging pain and redness
Skin	Prolonged contact with skin may be harmful
Ingestion	May cause discomfort, nausea, vomiting and diarrhoea if swallowed
Inhalation	May be irritating to the respiratory tract

Human Health Hazards - CHRONIC

No adverse effects are to be expected than the above

4. FIRST AID MEASURES

Eye Contact	Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open for at least 15 minutes. Obtain medical attention if irritation continues
Skin Contact	Wash skin with soap and water as soon as reasonably practicable. Remove contaminated clothing. If irritation persists seek medical attention.
Ingestion	Do NOT induce vomiting. Give 2 glasses of water. Seek medical attention
Inhalation	If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.
Advice to Doctor	As with any chemical, exposure by ingestion, inhalation or contact with eyes or skin should be avoided by correct occupational practices Treatment should in general be symptomatic and directed to relieving any effects

5. FIRE FIGHTING MEASURES

Flash Point	Non flammable
Extinguishing Media	Choice of extinguishing media should be made by what other materials are present
Fire and Explosion Hazard	In case of fire, wear a full face self-contained breathing apparatus and protective suit
Special Protective Equipment for Fire Fighting	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Restrict access to area affected until clean-up is completed. Use personal protective equipment as detailed in section 8. Do not touch spilled material. Emergency equipment should be available. Notify appropriate authorities.
Environmental Precautions	Do not contaminate surface waters
Clean Up Methods	Place residues in a suitably marked sealed container Protect drains from potential spills to minimise contamination In the case of large spills contact the appropriate authorities



7. HANDLING AND STORAGE

Handling Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate.

Storage Avoid frequent or prolonged skin contact. Wear PVC or similar gloves.
Store only in original or approved containers.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Occupational Exposure Limits None of the ingredients have been assigned an exposure standard by NOHSC.

Engineering Measures Local exhaust ventilation should be provided

Personal Protection

Eyes Use chemical splash goggles.

Skin Wear standard protective clothing.

Hands Wear any impervious gloves.

Respiratory Respiratory protection is not generally needed. If ventilation is inadequate, use respirator that will protect against dusts and mists. Respiratory protection should conform to AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odour Slight

Boiling Point N/A

pH Value >2.5 (5% solution)

Vapour Pressure N/A

Physical State Powder

Colour White

10. STABILITY AND REACTIVITY

Hazardous Polymerisation Hazardous polymerisation reactions will not occur.

Materials to Avoid Strong alkalis, strong oxidisers and strong reducers

Hazardous Decomposition Products Oxides of carbon

Conditions to Avoid Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data No toxicity studies have been carried out on this product

Sensitization This product is not expected to be a sensitizer

Carcinogenicity None of the substances in this product is listed as carcinogens

12. ECOLOGICAL INFORMATION

Ecotoxicity Not determined

Mobility Not determined

Bioaccumulation This product is not expected to bioaccumulate

13. DISPOSAL CONSIDERATIONS

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations. Dispose of product and container carefully and responsibly.
Do not dispose of near ponds, ditches, down drains or onto soil.

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the criteria of the ADG Code

UN Number None allocated

Proper Shipping Name None allocated

DG Class None allocated

Hazchem Code None allocated

Packing Group None allocated



15. REGULATORY INFORMATION

Non Hazardous according to the criteria of the National Health and Occupational Health and Safety Commission

Classification

Xi - irritant

Risk Phrases

R36/37/38 irritating to eyes, respiratory system and skin

Safety Phrases

S26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

Important Information

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Australian Organic Coolants. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Contact Point

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END OF MSDS

