

SAFETY DATA SHEET

1. IDENTIFICATION OF THE HAZARDOUS CHEMICAL AND SUPPLIER

Product Name:

Product

Description: Reverse Osmosis Antiscalant

Supplier:

Telephone No.:

Fax No.:

ABN No.:

Emergency Tel.:

2. HAZARDS IDENTIFICATION

Dangerous Goods Classification: Not Classified as Dangerous Goods according to the Australian Dangerous Goods Code (ADG Code) for transport by road and rail.

GHS Hazard Classification: Not Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

Poisons Schedule Not listed

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
2-Propenoic acid, ethyl ester, polymer with ethenyl acetate and 2,5-furandione, hydrolyzed	113221-69-5	1-10%
Acrylic acid copolymer. CAS number proprietary. Listed on the Australian Inventory of Chemical Substances		1-10%
Ingredients determined to be Non-Hazardous		Balance

4. FIRST AID MEASURES

Inhalation Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Ingestion Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

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Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Eye	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately.
Symptoms/ effects from exposure	Treat symptomatically.
Medical treatment	None reasonably for seeable.
First Aid Facilities	Availability of eyewash and safety shower recommended.

5. FIRE FIGHTING MEASURES

Flammability:

Hazchem Code:	None
Suitable Extinguishing Media:	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).
Specific Hazards:	Non-combustible material.
Protective Equipment for firefighters:	Wear self-contained breathing apparatus and protective suit if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Personnel involved in the clean-up should wear full protective clothing to avoid eye or skin contact. Eliminate all sources of ignition. Evacuate all unnecessary personnel. Increase ventilation.
Environmental Precautions	Avoid contaminating drains and waterways.
Small spills:	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
Large Spills:	Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

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7. HANDLING AND STORAGE

Precautions

for Safe Handling Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

Conditions for Safe Storage Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: No value assigned for this product by Safe Work Australia.

Engineering Controls: Natural ventilation should be adequate under normal use conditions. Use local exhaust if misting occurs. Keep containers closed when not in use.

Personal Protective Equipment: **Eyes:** Wear chemical resistant safety glasses or face shield.

Hands: Wear impervious gloves.

Body: Chemical resistant apron or overalls.

Respiratory: If inhalation risk from spray or mists exists wear a half face-piece filter respirator meeting the requirements of AS/NZ 1715 and 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Amber
Odour	Characteristic
Boiling Point	Not available
Solubility in Water	miscible
Specific Gravity	1.13 – 1.17
pH Value	9.8 – 10.2
Vapour Pressure	Not available
Evaporation Rate	Not available

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Volatile Component	Not available
Viscosity	Not available
Flammability	Non flammable liquid

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity No data

Chemical Stability This material is thermally stable when stored and used as directed.

Hazardous Reactions No known hazardous reactions.

Conditions to avoid Elevated temperatures and sources of ignition.

Incompatible Materials Oxidizing agents.

Hazardous Decomposition Oxides of carbon and nitrogen, smoke and other toxic fumes.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Inhalation	Material may be an irritant to mucous membranes and respiratory tract.
Skin	Contact with skin may result in irritation.
Eye	May be an eye irritant.
Skin sensitisation	Not known to be sensitizing.
Chronic effects	No information available for this product.

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Acute Toxicity:

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 20,000 ppm for gas.

Skin Contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw.

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw.

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes.
Skin: this material has been classified as not corrosive or irritating to skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity No data available.

**Persistence/
Degradability** No information available.

Mobility No information available

Environmental Fate Avoid contaminating drains, waterways and sewers.

Bioaccumulation No information available.

**Long Term
Environmental
Impact** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4.

**Acute Aquatic
Hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Consult an EPA accredited waste disposal agent regarding recycling or disposal options.

Container Disposal Rinse out container with water and dispose of in accordance with local regulations.

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14. TRANSPORT INFORMATION

Road & Rail Transport	Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for transport by road and rail.
Sea Transport	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (MDG Code) for transport by sea.
Air Transport	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Regulatory Information	All ingredients are either listed on Australian Inventory of Chemical Substances (AICS) or exempt from listing.
Poisons Schedule	Product is not listed in Australian Standard for Uniform Scheduling of Medicines and Poisons.

16. OTHER INFORMATION

Date of Preparation	06-01-2021 Version 3.0
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End of Safety Data Sheet
