

Section 1 – Identification of the Material and Supplier

Product Name: Evopure Anti Scale
Product Use: Swimming pool salt cell protector and scale remover.
Creation Date: 1/01/2018
This version issued: 1/01/2023 and is valid for 5 years from this date.

Details of Manufacturer:

Evolution Water & Lighting Solutions Pty Ltd
1/33 Hinkler Drive, Highland Park QLD 4211
Phone: +61 7 5565 0000
Email: enquiries@evolutionwls.com.au

Emergency Telephone Number: 000

Poisons Information Centre: 131 126 in Australia, 0800 764 766 in New Zealand

Section 2 – Hazards Identification

Hazard Classification of Substance

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; **NON-DANGEROUS GOODS.**

SUSMP Classification: Not Scheduled

GHS Signal word: Nil

HAZARD STATEMENTS:

None

GENERAL

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

PREVENTION

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P362+364 Take off contaminated clothing and wash it before reuse.

RESPONSE

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P332+313 If skin irritation occurs, get medical advice/attention.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists, get medical advice/attention.

STORAGE

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL

P501 Dispose of contents/container in accordance with all federal, state and local regulations.

Section 3 – Composition/Information on Ingredients

Ingredients

Chemical Entity	CAS Number	Proportion	GHS Classification

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

Section 4 – First Aid Measures

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

General: Gently wash with plenty of soap and water. Get medical attention/advice if you feel unwell.

Ingestion: If swallowed, do NOT induce vomiting. Give glass of water. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Eye Contact: If in eyes, hold eyes open, flood with water for at least 15minutes and see a doctor.

Skin Contact: Remove contaminated clothing and wash before re-use. Wash effected areas with water initially, then soap and water. Seek medical advice if irritation persists.

Inhalation: Remove victim to ventilated area without becoming a casualty. If not breathing, give artificial respiration. Consult a physician.

Medical attention or special treatment required:

ADVICE TO DOCTOR. Treat symptomatically

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:

SYMPTOMS OF EXPOSURE

Ingestion: May be irritating to all tissues. Very low toxicity. Very unlikely sufficient will be ingested to cause any permanent damage, although may cause nausea and abdominal pain.

Eye Contact: Irritating to eyes. Will cause temporary discomfort. No permanent damage likely.

Skin Contact: Product has very low dermal toxicity and is not primary irritant or skin sensitizer. Irritation may be due to pH.

Inhalation: Not a likely exposure route.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media: Non-combustible product. Use extinguishing agent suitable for type of surrounding fire.

Hazards from Combustion Productions: Not flammable Combustion will release toxic gasses. (COx & POX).

Special Protective Precautions & Equipment for Fire Fighters: Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of decomposition (COx & POX) evolved.

Hazchem Code:

Section 6 – Accidental Release Measures

Emergency Procedures / Environmental Precautions: Clear area of all unprotected personnel. Do not allow product to enter drains, sewers, waterways or soil. If contamination of drains has occurred, advise the local emergency services.

Personal Precautions / Protective Equipment / Methods & Materials for Containment & Cleaning Up: Wear protective equipment to prevent skin and eye contact and breathing in vapour. Contain spilled product using absorbent (soil or sand). Prevent run off into drains, sewers waterways or soil. Collect and seal in properly labelled drums ready for appropriate disposal. Dilute remaining product with water and rinse to sewer. For large spills notify local emergency services.

Section 7 – Handling and Storage

Precautions for Safe Handling: Irritant liquid. Ensure an eye bath and safety shower are available and ready for use. Use only in a well-ventilated area. Prevent the build-up of mists in the work atmosphere. Avoid inhalation of mists, and skin or eye contact. Wear appropriate protective equipment to prevent inhalation, skin and eye contact when mixing and using. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet. Keep containers sealed when not in use.

Conditions for Safe Storage: Store in a cool, dry, well ventilated place and out of direct sunlight. Protect from moisture. Do NOT store with foodstuffs. Store away from incompatible materials described in Section 10.

Section 8 – Exposure Controls and Personal Protection

Control Parameters: Not determined for this product.

Appropriate Engineering Controls: Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use.

Individual Protection Measures, Such as Personal Protective Equipment (PPE): The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.



Wear overalls, chemical goggles and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Section 9 – Physical and Chemical Properties

Appearance:	Clear, blue mobile fluid, soluble in water.
Flammability:	Product is not flammable.
Melting Point:	Not applicable.
Boiling Point:	100°C.
Flash Point:	Unknown.
Vapour Pressure:	Unknown.
Volatiles:	Not stated.
Vapour Density:	Unknown.

Flammability Limits:	Unknown.
Specific Gravity:	1.15-1.18.
Solubility in water:	Completely miscible.
pH as supplied:	7.0-8.0.

Section 10 – Stability and Reactivity

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

Conditions to Avoid: Do not mix with oxidising agents (Class 5) or heat above 200°C.

Incompatible Materials: Oxidising agents (Class 5).

Hazardous Decomposition Products: Upon combustion oxides of carbon (COX) and phosphorous (POX).

Hazardous Reactions: Oxidising agents (Class 5).

Section 11 – Toxicological Information

Acute toxicity:	Oral (rat) LD50: 1340 mg/kg Not expected to be toxic
Skin corrosion/irritation:	May be irritant.
Serious eye damage/irritation:	May be irritant.
Respiratory or skin sensitisation:	Not expected to be a sensitiser.
Germ cell mutagenicity:	Not expected to be mutagenic.
Carcinogenicity:	Not expected to be carcinogenic.
Reproductive toxicity:	Not expected to impair fertility.
Specific Target Organ Toxicity (STOT) – single exposure:	No data
Specific Target Organ Toxicity (STOT) – repeated exposure:	No data
Aspiration hazard:	Not expected to be a hazard.

Section 12 – Ecological Information

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability: Expected to be degradable.

Mobility: Water soluble and mobile in soil.

Log Kow: -3.49

BCF: Determined after 4-6 weeks of exposure were less than 24.

Bioaccumulative Potential: LOW: Bioaccumulation As expected for highly water-soluble substances, the log Kow values for phosphonates are low (ATMP: -3.53; HEDP: -3.49; EDTMP: -4.10; HDTMP: -4.43; DTMP: -3.40). The potential for bioaccumulation of phosphonates in aquatic organisms is therefore expected to be low as well.

Section 13 – Disposal Considerations

Disposal Methods and Containers: Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste site.

NIOSH	National Institute for Occupational Safety and Health The United States federal agency responsible for conducting research and making recommendations for the prevention of work-related injury and illness.
NOAEL	No Observed Adverse Effect Level
NOEL	No Observable Effect Level
NOHSC	National Occupational Health and Safety Commission
NTP	National Toxicology Program (USA)
PEL	Permissible Exposure Limit
RTECS	Registry of Toxic Effects of Chemical Substances (Symyx Technologies')
TCLO	Toxic Concentration Low
TDLO	Toxic Dose Low : lowest dosage per unit of bodyweight (typically stated in milligrams per kilogram) of a substance known to have produced signs of toxicity in a particular animal species.
TLV	Threshold Limit Value (ACGIH):The time weighted average used to describe exposure which is harmless to most of the population when exposed 8 hours per day, 40 hours per week.
TWA	(Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
SAFework	Independent statutory agency with primary responsibility to improve occupational health and safety and workers' compensation arrangements across Australia.
STEL	(Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UEL	upper flammable (explosive) limits in air;
UN Number	United Nations Number
Sources for data.	Safety Data Sheets from Suppliers Hazardous Substances Information System (HSIS)– ASCC Australia (on-line) GHS (Globally Harmonised System of Substance Classification & Labelling) REACH (European Chemical Substance Information System) ADG Code 7th Edition SUSMP No 11

Disclaimer:

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Evolution Water and Lighting Solutions Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Evolution Water and Lighting Solutions Pty Ltd at the contact details on page 1. Evolution Water and Lighting Solutions Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request. Evolution Water and Lighting Solutions Pty Ltd however makes no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof and assumes no responsibility for injury to buyer or third persons or for any damage to property, Buyer assumes all risks.