

AQUASOL

SAFETY DATA SHEET

PAGE 1 of 3
REVISION DATE 20/01/2023
PRINT DATE 20/12/2022
PRODUCT NAME Aquasol Antiscalant 135

IDENTIFICATION

AQUASOL Antiscalant 135

Product Name
Other Names
Uses
CONTACT INFORMATION
Organisation

Antiscalant
Water Treatment Reverse Osmosis Scale Inhibitor

Aquasol Pty Ltd

Contact +6 8 92487533
+6418 874 578
www.aquasol.com.au
Ask for Technical
Officer/Chemist

Location 82-86 Beringarra Avenue
Malaga WA 6090
Australia
Poison Information Centre 131126
24 Hour Emergency Number 000

HAZARD IDENTIFICATION

Non Hazardous according to criteria of ASCC.
Non Dangerous according to the Australian Code for the Transport of Dangerous Goods

Inhalation: No specific health warnings noted
Ingestion: May cause discomfort if swallowed, May cause stomach pain and vomiting.
Skin Contact: Not a Skin Irritant
Eye Contact: Irritant
Health Warning: No Specific warnings
Route of Entry: Skin, Eyes, Ingestion

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No	%
Water:	0007732-18-5	69
Polymer Solids	Carboxylate Sulphonate Nonion Tripolymer	30
SMBS		1

NB. Amounts specified are typical and do not represent a specification

FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Ingestion No ingestion effects known. Treat symptomatically. See a physician
Eye Immediately flush eyes with plenty of clean water for an extended time, not less than five (5) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eye by separating the eyelids with fingers and roll eyes in a circular motion.
Skin Wash with soap and water as a precaution. In case of persistent skin irritation, seek medical attention
Inhaled If affected, remove to fresh air. If not breathing, give artificial respiration

FIRE FIGHTING MEASURES

Suitable Extinguishing Media Being an aqueous system, the product is not a fire hazard, as supplied. After water is evaporated, dry solids could burn. Water spray, ABC dry chemical and protein type air foams are effective. Carbon dioxide may be ineffective on larger fires due to a lack of cooling capacity which may result in re-ignition.
Fire-fighting instructions Wear self-contained breathing apparatus (SCBA) equipped with a full facepiece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during clean up immediately after a fire as well as during the attack phase of fire fighting operations

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Unusual fire/Explosion Hazards	None known for the product as delivered (water solution). Irritating and toxic substances will be emitted upon combustion, burning or decomposition of the dry solids.
NFPA Flammability Class	Not applicable
Flash Range	Not applicable
Explosive Range	Not Applicable

ACCIDENTAL RELEASE MEASURES

Any release or unwanted discharge into water systems or surface waters should be reported immediately to the responsible authorities or agencies.

Containment Technique:
Contain spill. If spilled in an enclosed area, ventilate.

Clean-up Technique:

- Wear proper personal protective clothing and equipment.
- Do not flush liquid into public sewer, water systems or surface waters.
- Recover as much as possible for reuse.
- Absorb remainder with an inert material.
- Place into labelled, closed container; store in safe location to await disposal.
- Wash the spill area with soap and water.
- Change contaminated clothing and laundry before reuse.

*CAUTION: Spilled liquid and dried film are slippery. Use care to avoid falls.

EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering measures to reduce exposure:	Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapour away from workers to prevent routing inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.
Respiratory protection	Wear a respirator approved by NIOSH/MSHA (eg an organic vapour respirator, a full face air purifying respirator for organic vapours, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapour exceed the exposure limit(s) of any chemical substance listed in this SDS. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).
Hand protection	Rubber gloves
Eye protection	Safety glass with side shields. Do not wear contact lenses.

HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Avoid inhalation of aerosol, mist, spray, fume or vapour. Minimise contact with air to reduce contamination with mould, fungus, or other organisms which could cause decomposition or spoilage. •Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions
Storage	Keep in a dry, cool place (0-35° C) • Keep container closed when not in use. Do not store in open, unlabelled or mislabelled containers. Do not allow product to freeze.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Colour	Colourless to pale yellow clear liquid
Odour	Acrid
pH	2.5 to 3.5
Boiling range	100°C
Vapour pressure (mmHg)	-18@ 20°C
Melting Point	Not applicable
Evaporation Rate	Slower than n-Butyl Acetate
Vapour Density	Lighter than air

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Partition co-efficient Not available
% Volatile weight 68%
Specific gravity 1.12

STABILITY AND REACTIVITY

Stability Product is stable.
Hazardous Polymerisation Hazardous polymerisation will not occur
Incompatibility with other materials No specific incompatibilities. Materials which are not compatible with water will not be compatible with this product. Substances that are not compatible with ordinary organic compounds (such as strong oxidizers) will not be compatible with this product
Hazardous decomposition products After water is evaporated, decomposition or combustion of the dry solids may generate irritating vapours, CO, CO₂, oxides of nitrogen, monomers and hydrocarbons.

TOXICOLOGICAL INFORMATION

Acute toxicity
Acute and chronic health effects LD50 Rat > 10000mg/kg, LD50 Rabbit > 4000mg/kg
Possible routes of exposure Eyes, skin
Irritation Eyes/skin
Dose, concentration or conditions of exposure likely to cause injury LD50 Rat > 10000mg/kg, LD50 Rabbit > 4000mg/kg
Delayed effects No data
Relevant negative data Not a likely carcinogen

ECOLOGICAL INFORMATION

Ecotoxicity LC50 Rainbow Trout 96h >2200mg/L, EC50 Daphnia Magna 48h >2000mg/L
Persistence and degradability No data
Mobility Soluble in water

DISPOSAL CONSIDERATIONS

For waste disposal purposes, a liquid with a pH between 2.1 and 12.4 is not defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261).
Incinerate waste product when in liquid form (ie as supplied) in a properly permitted (approved) incineration facility in accordance with federal, state and local regulations. Liquids cannot be disposed of in a landfill.

TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport

REGULATORY INFORMATION

Poisons Schedule A poisons schedule number has not been allocated to this product using the criteria in the standard for the uniform of scheduling of drugs and poisons (SUSDP)

OTHER INFORMATION

This SDS summarises Aquasol's best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Aquasol expressly disclaims that the SDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the SDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances