

Section 1 - Identification of The Material and Supplier

Aquatemp Environmental Solutions Pty Ltd
18 Park Cove Blvd, Hope Island, Qld 4212

Phone: 07 5502 3248
Email: enquiries@aquatemp.com.au

Chemical nature: Cleaning product
Trade Name: **Uriscale Eliminator**
Product Use: Cleaning product – Removes calcium, lime and rust
Creation Date: **June 2019**
This version was issued in **January 2023 and is valid for five years.**
Poisons Information Centre: Phone 13 1126 from anywhere in Australia

Section 2 - Hazards Identification**Statement of Hazardous Nature**

This product is classified as Xi, Irritating. N, Dangerous to the environment. Hazardous according to the criteria of SWA.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

UN Number: None allocated

**GHS Signal word: WARNING**

Skin Sensitisation Category 1

Hazardous to aquatic environment Short-term/Chronic Category 3

HAZARD STATEMENT:

H317: This may cause an allergic skin reaction.

H412: Harmful to marine life with long-lasting effects.

PREVENTION

P261: Avoid breathing fumes, mists, vapours or spray.

P262: Do not get in the eyes, on the skin, or clothing.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P281: Use personal protective equipment as required.

RESPONSE

P363: Wash contaminated clothing before reuse.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P370+P378: In case of fire, use carbon dioxide, dry chemicals, foam, and water fog.

STORAGE

P410: Protect from sunlight.

P402+P404: Store in a dry place. Store in a closed container.

P403+P235: Store in a well-ventilated area. Keep cool.

DISPOSAL

P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to a landfill (see Section 13 of this SDS).

Emergency Overview

Physical Description & Colour: Light yellow liquid, clear to slightly hazy.

Odour: Characteristic odour reminiscent of citrus.

Major Health Hazards: possible skin sensitiser.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
D-limonene	5989-27-5	1-2	not set	not set
Other non-hazardous ingredients	secret	<20	not set	not set
Water	7732-18-5	to 100	not set	not set

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

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a typical 8-hour working day for a five-day working week. The STEL (Short-Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand), and is always available. Have this SDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until the chemical is removed.

Eye Contact: No effects expected. If irritation does occur, flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if the exposed person is wearing contact lenses.

Ingestion: If the product is swallowed or gets in the mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt, contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The significant hazard in fires is usually inhalation of heated, toxic, or oxygen-deficient (or both) fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: In case of fire, use carbon dioxide, dry chemicals, foam or water fog.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: No data

Upper Flammability Limit: No data.

Lower Flammability Limit: No data.

Autoignition temperature: No data.

Flammability Class: No data.

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing, including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include no specific manufacturer recommendations. Use impervious gloves with care. Eye/face protective equipment should comprise, as a minimum, protective glasses and goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).

Stop the leak if safe to do so, and contain the spill. Absorb onto sand, vermiculite or other suitable absorbent material. If the spill is too large or absorbent material is unavailable, create a dike to stop material from spreading or entering drains or waterways. Sweep up and shovel or collect recoverable products into labelled containers for recycling or salvage, and dispose of them promptly. Recycle containers wherever possible after careful cleaning. After spills, wash the area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for an approved landfill. Ensure the legality of disposal by consulting regulations before disposal. Thoroughly launder protective clothing before storage or reuse. Advise laundry of the nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and ensure those measures are followed. The steps detailed below under "Storage" should be followed during handling to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of products with incompatible materials listed in Section 10.

Storage: Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Keep containers of this product in a well-ventilated area. Protect this product from light. Ensure the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**. SWA has not established exposure limits for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used where adequate ventilation is adequate to keep exposure below the TWA levels. If necessary, use a fan.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when using this product.

Skin Protection: If you believe you are sensitised to this product or its declared ingredients, you should prevent skin contact by wearing impervious gloves, clothes and, preferably, aprons. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types: There is no specific recommendation for any particular protective material type.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Light yellow liquid, clear to slightly hazy.
Odour:	Characteristic odour reminiscent of citrus.
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	No data.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	No data.
Specific Gravity:	No data.
Water Solubility:	Miscible.
pH:	Approx 10.46
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data.
Autoignition temp:	No data.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept cool, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry. Keep containers and surrounding areas well-ventilated. Protect this product from light.

Incompatibilities: strong acids, strong bases, strong oxidising agents.

Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. It may form nitrogen and its compounds and, under some circumstances, nitrogen oxides. Occasionally hydrogen cyanide gas is in reducing atmospheres. It may form oxides of sulphur (sulphur dioxide is a respiratory hazard) and other sulphur compounds. Most will have a foul odour. Carbon monoxide poisoning produces headaches,

weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness, followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:

Target Organs: No data indicates any particular target organs. SWA classes d-limonene as a potential sensitiser by skin contact.

Classification of Hazardous Ingredients

Ingredient	Risk Phrases
D-limonene	$\geq 1\% \text{Conc} < 20\%$: Xi; R43
<ul style="list-style-type: none">Skin irritation – category 2Skin sensitisation – category 1	

Potential Health Effects

Persons sensitised to D-limonene should avoid contact with this product.

Inhalation:

Short-Term Exposure: Available data indicates that this product is not harmful. In addition, the product is unlikely to cause any discomfort or irritation.

Long-Term Exposure: No data for health effects associated with long-term inhalation.

Skin Contact:

Short-Term Exposure: Classified as a potential sensitiser by skin contact. Once sensitisation has occurred, exposure to a skin sensitiser may manifest as skin rash or inflammation; in some individuals, this reaction can be severe. In addition, the product may be irritating but is unlikely to cause anything more than mild transient discomfort—**Long-Term Exposure:** No data for health effects associated with long-term skin exposure.

Eye Contact:

Short-Term Exposure: This product may irritate eyes but is unlikely to cause anything more than mild transient discomfort.

Long-Term Exposure: No data for health effects associated with long-term eye exposure.

Ingestion:

Short-Term Exposure: Significant oral exposure is considered to be unlikely. Available data shows that this product is not harmful. However, this product may irritate mucous membranes but is unlikely to cause anything more than transient discomfort.

Long-Term Exposure: No data for health effects associated with long-term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: D-limonene is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

Section 12 - Ecological Information

Harmful to aquatic organisms, it may cause long-term adverse effects on the marine environment—insufficient data to ensure status.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused or has not been contaminated to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or other means. If neither of these options is suitable in-house, consider controlled incineration, or contact a specialist waste disposal company.

Section 14 - Transport Information

UN Number: This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: All of this formulation's significant ingredients comply with NICNAS regulations.

Section 16 - Other Information

This SDS contains only safety-related information. For other data, see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	is an Emergency action code of numbers and letters that provide information to emergency services, especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES 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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

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.

Please read all labels carefully before using the product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (Feb 2016)