

Aqua~Health Sunscreen Tabs

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: Aqua~Health Sunscreen Tabs
Other Names: Isocyanuric Acid
Manufacturers' Code: 34708
Pack Size: 800g (4 x 200g tablets)
Recommended Use: Pool chemical, chlorine stabiliser
Supplier's Details: Waterco Limited
36 South Street
Rydalmere, NSW 2116
Ph: (02) 9898 8600
Emergency Phone Number: Business hours only (02) 9898 8682
General Information

24 Hour Emergency Number:

Australia: Poisons Information Centre Australia Wide
Ph 13 1126
New Zealand: Poisons INFORMATION CENTRE
0800 POISON (0800 764 766)

SECTION 2 - HAZARD IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

Classified as a hazardous substance according to the criteria of the National Occupational Health and Safety Commission.

UN Number: None allocated
UN Proper Shipping Name: None allocated
Dangerous Goods Class: None allocated
Packing Group: None allocated
Hazchem Code: None allocated

Risk Phrases:

R37 Irritating to respiratory system.

Safety Phrases:

S22 Do not breathe dust.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity†	Synonyms	CAS Number	Concentration
Cyanuric acid		108-80-5	100%

† Where they are present in this product and other ingredients of this material are not hazardous, as defined by either inclusion in the *List of Designated Hazardous Substance* or classified in accordance with the *Approved Criteria for Defining a Hazardous Substance*, and published by the National Occupational Health and Safety Commission/AGPS, 1999

SECTION 4 - FIRST AID MEASURES

First Aid: Take a copy of this MSDS to medical advisers if signs or symptoms of overexposure occur and medical attention is required.

Swallowed: DO NOT INDUCE VOMITING. Wash out mouth with water and give plenty of water to drink. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discarded. If irritation develops or persists seek medical attention.

Eye: If in eye(s) wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention.

Inhaled: Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have a qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop seek medical attention.

First Aid Facilities: Safety showers, eye wash fountains and normal wash room facilities.

Advice to Doctor: Treat symptomatically or consult a Poisons Information Centre.

SECTION 5 - FIRE FIGHTING MEASURES

Hazchem Code: None allocated

Extinguishers: Use water fog, foam or dry agent.

Fire Fighting Precautions: Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

Combustion Products: This product is non-combustible. However, formation of dust clouds may pose an explosion hazard. Take steps to prevent electrostatic discharge.

Other Precautions: Decomposes upon heating above 320°C, forming corrosive and explosive isocyanic acid.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Remove all sources of heat. Increase ventilation. Wear sufficient respiratory protection and full protective clothing to minimise skin and eye exposure. Sweep up material avoiding dust generation or collect mechanically. Seal all wastes in vapour tight labelled plastic containers for eventual disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority or your local Waste Management Authority

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid generating dust. Use in designated areas with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Label containers. Keep appropriate protective equipment to prevent inhalation, skin and eye contact. 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. Use clean containers for dispensing. Always add product to the water.

Storage: Store in a cool, dry well-ventilated area away from foodstuffs and incompatible materials. Store below 40°C in securely sealed containers protected against physical damage.

Incompatibilities: Strong oxidising agents, acids and bases. Reacts violently with ethanol. When dissolved it is a strong acid which reacts violently with bases and is corrosive.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: No ingredients in this product have exposure standards, as outlined in the standard *Exposure Standards for Atmospheric Contaminants in the Occupational Environment* third edition, published by the National Occupational Health and Safety Commission/AGPS, 1995.

Engineering Controls: Ensure sufficient ventilation to keep airborne concentrations below exposure limits. Local exhaust ventilation is recommended.

Personal Protective Equipment:

Clothing: Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

Skin Protection: Impervious nitrile gloves should be worn.

Eye Protection: Safety glasses with side shields or goggles should be worn as described in Australian/New Zealand Standards AZ/NZS 1337 - Eye Protectors for Industrial Applications.

Respiratory Protection: Where sufficient ventilation is not available, avoid breathing dust by wearing Australian Standards AS1716 approved P1 particulate filter respirator. If wet, an ammonia/methylamine filter combined with a P1 particulate filter may be preferable. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian/New Zealand Standards AS/NZS 1715 - Selection, use and maintenance of Respiratory Protective Devices; and AS/NZS 1716 - Respiratory Protective Devices.

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Personal Hygiene: Ensure a high level of personal hygiene is maintained when using this product. Always wash hands after using this product. Always wash hands before eating or drinking.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odour:	Off white odourless crystals or granular powder.
pH:	4.5 – 5.0 (0.2% solution @ 25°C)
Vapour Pressure:	Not available
Boiling Point/Range:	Not available
Freezing/Melting Point:	>360°C
Solubility in Water:	Not available
Specific Gravity/Density:	2.500 (water = 1)
Flash Point:	Not applicable
Lower Flammability Limit:	Not applicable
Upper Flammability Limit:	Not applicable

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Conditions to Avoid:	Decomposes upon heating above 320°C, forming corrosive and explosive isocyanic acid.
Incompatible Material:	Strong oxidising agents, acids and bases. Reacts violently with ethanol. When dissolved it is a strong acid which reacts violently with bases and is corrosive.
Hazardous Decomposition Products:	Hazardous decomposition products include oxides of nitrogen and highly toxic cyanide and cyanic acid vapour
Hazardous Reactions:	Reacts violently with ethanol causing a fire and explosion hazard.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicology Information: LD₅₀ (Oral, rat) = 7700 mg/kg

Acute Effects:

Swallowed: Ingestion may cause irritation to the mouth, esophagus and stomach. Symptoms may include headache, nausea, vomiting and abdominal pains.

Skin: May cause irritation in contact with the skin, which may result in redness, itchiness and possible dermatitis.

Eye: May cause irritation to the eyes which may result in redness, lachrymation and possible corneal injury through mechanical action.

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Inhaled: Will cause irritation to the mucous membrane and upper airways. Symptoms of exposure will include nausea, headache, coughing and breathing difficulties.

Chronic Effects: Unknown.

SECTION 12 - ECOLOGICAL INFORMATION

Do not allow product to enter drains, waterways or sewers. Avoid contaminating waterways.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose of according to relevant local, state and federal government regulations

SECTION 14 - TRANSPORT INFORMATION

UN Number:	None allocated
UN Proper Shipping Name:	None allocated
Dangerous Goods Class:	None allocated
Packing Group:	None allocated
Hazchem Code:	None allocated
Special Precaution to User:	Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail

SECTION 15 - REGULATORY INFORMATION

Poisons Schedule: S5

Product: Cyanuric acid (CAS: 108-80-5) is found in the following regulatory lists:

AICS Listing

International Programme on Chemical Safety (IPCS) – SIDS

International Council of chemical Associations (ICCA) – High Production Volume List

New Zealand Inventory of Chemicals (NZIoC) HSNO Approval Code: HSR007179

SECTION 16 - OTHER INFORMATION

Worker Training: As a minimum all workers using this product should be shown a copy of this MSDS before first use.

Date of Preparation of this MSDS: May 2010

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Revised:

December 2015

This MSDS 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, 7th Edition
AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially fire fighters
IARC	International Agency for Research on Cancer
ASCC	Office of the Australian Safety and Compensation Council
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

This material safety data sheet (MSDS):

1. Is produced by Waterco Ltd for use in Australia, and is based on information supplied to Waterco Ltd by our suppliers.
2. 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,
3. Has been formatted to MSDS format accepted by the National Occupational Health and Safety Commission for use in Australia.
4. Has been produced following the principles and recommendation outline in the *National Code of Practice for the Preparation of Material Safety Data Sheet* published by the National Occupational Health and Safety Commission/AGPS, Canberra, 2003.

Each user must review this MSDS 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 appropriated risk assessment can be made, the user should contact Waterco Ltd.

If this MSDS is a copy, or more than five years old, contact Waterco Ltd for a new one.