

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Pool Stabiliser

**Other Identifier:** Cyanuric Acid

**Recommended Use:** Chlorine Stabiliser

**Supplier:** Big Bubble  
**ABN:** 51 290 656 636

**Street Address:** 18 Elliott Street  
Midvale  
Western Australia

**Telephone Number:** +61 08 9274 1992

**Poisons Information Centre:** 131 126 Australia

## 2. HAZARDS IDENTIFICATION

**Road and Rail;** 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.

### Globally Harmonised System

#### Hazard Classification

Non-hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Poisons Schedule:** Schedule 5

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Cyanuric acid	108-80-5	<=100 %

## 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 at once.

#### Ingestion:

IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting. For advice, contact a Poisons Information Centre or a doctor (at once). If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Never give anything by mouth to an unconscious person.

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<b>Eye Contact:</b>	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.
<b>Skin Contact:</b>	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.
<b>Inhalation:</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
<b>Medical attention and special treatment:</b>	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>General</b>	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
<b>Flammability Conditions</b>	Non-combustible material.
<b>Suitable Extinguishing Media:</b>	If material is involved in fire, use dry chemical, Carbon Dioxide, foam, or water spray for extinction.
<b>Fire and Explosion Hazards</b>	Avoid generating dust; fine dust dispersed in air in sufficient conditions, and in the presence of an ignition source is a potential dust explosion.
<b>Hazardous combustion products:</b>	Decomposes on heating, emitting toxic fumes, including isocyanic acid, cyanide gas, and oxides of Carbon and Nitrogen.
<b>Precautions for fire fighters and special protective equipment:</b>	Contain runoff from fire control or dilution water – Runoff may cause pollution. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
<b>Auto Ignition temperature:</b>	No Data Available
<b>Decomposition Temperature:</b>	No Data Available
<b>Flammability:</b>	No Data Available
<b>Flash Point:</b>	No Data Available

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material – Slippery when spilt! Avoid dust formation. Avoid breathing dust and contact with eyes, skin, and clothing.
<b>Protective equipment:</b>	Use personal protective equipment as required (see SECTION 8).
<b>Emergency procedures:</b>	Spill or leak area should be isolated immediately. Evacuate personnel to safe areas. Keep unauthorised personnel away.
<b>Environmental Precautions:</b>	Prevent entry into drains and waterways. If contamination of sewers or waterways has occurred, advise local emergency services.
<b>Methods and materials for Containment and clean up:</b>	Stop leak if you can do it without risk. Prevent dust cloud. Prevent entry into waterways, sewers, basements, or confined areas. Sweep or vacuum up but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal (see SECTION 13). Ventilate area and clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

## 7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

<b>Conditions for safe storage:</b>	Keep in the original container. Store in a cool, dry, and well-ventilated place, out of direct sunlight. Keep containers tightly closed when not in use – check regularly for spills. Protect from moisture (hygroscopic). Keep away from heat and sources of ignition – No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10).
<b>Precautions for safe handling:</b>	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid breathing dust and contact with eyes, skin, and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Keep away from heat and sources of ignition – No smoking. Take precautionary measures against electrostatic charges – earthing necessary during loading operations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure control measures:</b>	No value assigned for this specific material by Safe Work Australia. For dusts from solid substances without specific occupational exposure standards: Safe Work Australia Exposure Standard (Nuisance dusts) 8 hr TWA = 10mg/m <sup>3</sup> , measures as inhalable dust.
<b>Biological Monitoring</b>	No information available.

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<b>Engineering Controls</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.
<b>Personal Protective Equipment</b>	
<b>Eye and Face</b>	Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses or chemical safety goggles.
<b>Skin</b>	Handle with gloves. Recommended: Impervious gloves, e.g. Rubber gloves. Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.
<b>Respiratory</b>	Wear respiratory protection in case of inadequate ventilation or an inhalation risk exists. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Solid
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>pH:</b>	$\geq 4.0$ (1% solution)
<b>Solubility:</b>	0.27 g/100 mL water 25°C
<b>Auto Ignition temperature:</b>	No Data Available
<b>Decomposition Temperature:</b>	No Data Available
<b>Evaporation Rate:</b>	No Data Available
<b>Flammability:</b>	No Data Available
<b>Flash Point:</b>	No Data Available
<b>Boiling Point:</b>	No Data Available
<b>Melting/Freezing Point:</b>	320 – 360 °C (Decomposes)
<b>Freezing Point</b>	No Data Available
<b>Odour Threshold:</b>	No Data Available
<b>Partition coefficient: n-octanol/water</b>	No Data Available
<b>Relative Density:</b>	No Data Available
<b>Upper Flammability Limit</b>	No Data Available
<b>Lower Flammability Limit:</b>	No Data Available

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<b>Explosive limits:</b>	No Data Available
<b>Vapour density:</b>	No Data Available
<b>Vapour pressure;</b>	No Data Available
<b>Viscosity:</b>	No Data Available
<b>Biopersistence:</b>	No Data Available
<b>Crystallinity:</b>	No Data Available
<b>Dustiness:</b>	No Data Available
<b>Particle size:</b>	No Data Available
<b>Redox potential:</b>	No Data Available
<b>Release of invisible flammable vapours and gases</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available

## 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Material is stable under normal conditions.
<b>Conditions to avoid:</b>	Avoid dust formation. Keep away from heat and sources of ignition. Protect from moisture.
<b>Incompatible materials:</b>	Incompatible/reactive with strong oxidising agents.
<b>Hazardous decomposition products:</b>	Decomposes on heating, emitting toxic fumes including isocyanic acid, cyanide gas and oxides of Carbon and Nitrogen.
<b>Hazardous reactions or Polymerisation:</b>	No information available.

## 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:

<b>Ingestion:</b>	No adverse health effects expected; may cause abdominal pain, nausea, and vomiting.
<b>Eye contact:</b>	Mildly irritating to eyes.

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<b>Skin contact:</b>	May cause mild skin irritation.
<b>Inhalation:</b>	May cause slight respiratory tract irritation, cough, sore throat.
<b>Acute Toxicity:</b>	Acute Toxicity (Oral): LD50, Rat: >5,000 mg/kg bw.  Acute Toxicity (Dermal): LD50, Rabbit: >5,000 mg/kg bw.
<b>Carcinogenicity:</b>	Not expected to be carcinogenic.
<b>Mutagenicity:</b>	Not expected to be mutagenic.
<b>Reproductive:</b>	Not expected to impair fertility.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Aquatic Toxicity: LC50, Fish: >2,100 mg/L (96 h) [OECD 203] LC50, Daphnia: >1,000 mg/L (48 h) [OECD 202] EC50, Algae: >100 mg/L (72 h) [OECD 201]
<b>Persistence and degradability:</b>	In highly aerobic media cyanuric acid resists biodegradation. Anaerobic growth in sewage degrades cyanuric acid.
<b>Bioaccumulative potential:</b>	Not potentially bioaccumulative.
<b>Mobility:</b>	Cyanuric is a weakly adsorbed and highly mobile in soils.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal methods:</b>	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Or refilled at Big Bubble in Midvale.
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## 14. TRANSPORT INFORMATION

### Road and Rail Transport

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.

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

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## 15. REGULATORY INFORMATION

Poisons Schedule: Schedule 5

## 16. OTHER INFORMATION

Revision date: 07/11/2024

Reason for issue: Update SDS

Key/Legend:

< Less Than

> Greater Than

**AICS** Australian Inventory of Chemical Substances

**atm** Atmosphere

**CAS** Chemical Abstracts Service (Registry Number)

**cm<sup>2</sup>** Square Centimetres

**CO<sub>2</sub>** Carbon Dioxide

**COD** Chemical Oxygen Demand

**deg C (°C)** Degrees Celcius

**g** Grams

**g/cm<sup>3</sup>** Grams per Cubic Centimetre

**g/l** Grams per Litre

**HSNO** Hazardous Substance and New Organism

**IDLH** Immediately Dangerous to Life and Health

**immiscible** Liquids are insoluble in each other.

**inHg** Inch of Mercury

**inH<sub>2</sub>O** Inch of Water

**K** Kelvin

**kg** Kilogram

**kg/m<sup>3</sup>** Kilograms per Cubic Metre

**LC<sub>50</sub>** LC stands for lethal concentration. LC<sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

**LD<sub>50</sub>** LD stands for Lethal Dose. LD<sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

**ltr or L** Litre

**m<sup>3</sup>** Cubic Metre

**mbar** Millibar

**mg** Milligram

**mg/24H** Milligrams per 24 Hours

**mg/kg** Milligrams per Kilogram

**mg/m<sup>3</sup>** Milligrams per Cubic Metre

**Misc** or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.

**mm** Millimetre **mmH<sub>2</sub>O** Millimetres of Water

**mPa.s** Millipascals per Second

**N/A** Not Applicable

**NIOSH** National Institute for Occupational Safety and Health

**NOHSC** National Occupational Health and Safety Commission

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**OECD** Organisation for Economic Co-operation and Development<sup>[1][2]</sup>

**PEL** Permissible Exposure Limit<sup>[1][2]</sup>

**Pa** Pascal<sup>[1][2]</sup>

**ppb** Parts per Billion<sup>[1][2]</sup>

**ppm** Parts per Million<sup>[1][2]</sup>

**ppm/2h** Parts per Million per 2 Hours<sup>[1][2]</sup>

**ppm/6h** Parts per Million per 6 Hours<sup>[1][2]</sup>

**psi** Pounds per Square Inch<sup>[1][2]</sup>

**R** Rankine<sup>[1][2]</sup>

**RCP** Reciprocal Calculation Procedure

**STEL** Short Term Exposure Limit

**TLV** Threshold Limit Value<sup>[1][2]</sup> the Tonne<sup>[1][2]</sup>

**TWA** Time Weighted Average

**ug/24h** Micrograms per 24 Hours

**UN** United Nations

**wt** Weight

This material safety data sheet has been prepared by Midland Chemicals

This MSDS 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. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.