

**1. IDENTIFICATION**

<b>Product Name:</b>	<b>HY-CLOR STABILISER</b>
<b>Chemical Name:</b>	Isocyanuric Acid
<b>Synonyms:</b>	Cyanuric acid
<b>Product Code:</b>	HYCSUNSP02
<b>Approval Number:</b>	HRS007179
<b>Recommended Use of the Chemical and Restrictions on Use:</b>	Swimming pool chlorine stabiliser
<b>Supplier:</b>	HY-CLOR AUSTRALIA PTY LIMITED
<b>Street Address:</b>	178 Power Street Glendenning NSW 2761
<b>Telephone Number:</b>	+61 2 8805 2400 (AUS) 09 973 2477 (NZ)
<b>After Hours Contact:</b>	+61 404 859 515 (AUS)
<b>Facsimile:</b>	+61 2 8805 2401
<b>Email Contact:</b>	<a href="mailto:help@hyclor.com.au">help@hyclor.com.au</a>
<b>Emergency Telephone:</b>	<b>13 11 26 (Australia Poisons Information Centre)</b> <b>09 9732477 (New Zealand)</b>

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information"

**2. HAZARD IDENTIFICATION**

Classified as non-hazardous according to the criteria of the GHS as adopted in Australia. Not a Dangerous Good according to ADG 7.4.

**Poisons Schedule:** S5. **Label Signal Word:** CAUTION

GHS Hazard Statement(s)

Substances that are irritating to the eye Category 2 6.4A May cause severe eye irritations

**Poisons Schedule:** S5. **Label Signal Word:** CAUTION

**GHS Label Elements, including precautionary statements:**



Pictogram:

Signal word: none

Hazard statement(s): none

Precautionary statement(s): **P280** Wear protective gloves/protective clothing/eye protection/face protection.



**P273** Avoid release to the environment.  
**P264** Wash hands thoroughly after handling.  
**P305+P351+P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P337+P313** If eye irritation persists: Get medical advice/attention.  
**P391** Collect spillage.  
**P501** Dispose of contents/container in accordance with local/regional/national regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
Isocyanuric Acid	108-80-5	100%

### 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre. Phone Australia 13 1126 or New Zealand 0800 764 766 or a doctor. Have this SDS when you call.

**Swallowed:** Do not induce vomiting. Wash out mouth with water and give plenty of water to drink. Seek medical attention.

**Skin:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard.

**Eye:** If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek immediate medical attention.

**Inhaled:** Remove from contaminated area. If symptoms develop seek medical attention.

**Note to Physician** Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Special hazards arising from the chemical:** Carbon oxides, nitrogen oxides

**Special protective equipment and precautions for fire fighters:** Wear self contained breathing apparatus for fire fighting if necessary.

**Hazchem Code:** 1X

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedure** This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. Avoid breathing dust.



**Environmental precautions** If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

**Methods and materials for containment and cleaning up** For minor spills, sweep up, place in sealed container and place in garbage.

**7. HANDLING AND STORAGE**

**Precautions for safe handling** Provide appropriate exhaust ventilation at places where dust is formed. Avoid generating dust. Wear gloves. Wash hands before eating, drinking, smoking or using the toilet.

**Safe storage, including any incompatibilities** Store in a cool, dry well-ventilated area, out of direct sunlight and moisture. Store in labelled, original containers. Keep containers tightly closed. Store away from water. Store away from incompatible materials described in Section 10.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Occupational Exposure Limits:** Exposure limits have not been established by Safe Work Australia for this product or its ingredients. The exposure standard for dust not otherwise specified is 10mg/m<sup>3</sup> (for respirable dust).

**Exposure controls**

**Appropriate Engineering Controls:** Control of dust in manufacturing situations is advised. No special equipment is usually necessary when occasionally handling small quantities. For bulk handling use with good ventilation and if dusts are produced local exhaust ventilation should be used. The following information is for manufacturing and bulk handling situations.

**Personal Protective equipment:**

**For manufacturing and bulk handling situations**

**Clothing:** Wear appropriate clothing including chemical resistance apron where clothing is likely to be contaminated

**Eye/face protection** Safety glasses with side shields, goggles or full-faced shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken.

**Skin protection** Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken.

**Respiratory protection**

If engineering controls are not effective in controlling airborne exposure, then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as AS/NZS 1715 and AS/NZS 1716 or NIOSH (US) or CEN (EU).

**Personal hygiene:**

Always wash hands after handling this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	White crystalline powder or granules	<b>Vapour density:</b>	No data found
<b>Odour:</b>	Odourless	<b>Relative density:</b>	2.16 at 20 °C
<b>pH:</b>	4.0 @ 1% solution	<b>Water solubility:</b>	2g/L at 25 deg C Hygroscopic
<b>Melting point / freezing point:</b>	> 360 °C .	<b>Partition coefficient n-octanol/water:</b>	log Pow: -1.31 at 25 °C
<b>Initial boiling point and boiling range:</b>	No data available	<b>Auto-ignition temperature:</b>	No data available
<b>Flash point:</b>	No data available	<b>Decomposition temperature:</b>	No data available
<b>Evaporation rate:</b>	No data available	<b>Viscosity:</b>	Not applicable
<b>Flammability:</b>	Not flammable	<b>Explosive properties:</b>	Not explosive
<b>Upper/lower flammability limits:</b>	No data available	<b>Oxidising properties:</b>	Not an oxidiser
<b>Vapour pressure:</b>	4.41X10 <sup>-11</sup> mm Hg at 25 deg C (est)		

**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	This product is stable and unlikely to react under normal circumstances.
<b>Chemical Stability:</b>	This product is stable and unlikely to decompose under normal circumstances.
<b>Possibility of hazardous reactions:</b>	This product will not undergo polymerization reactions. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Many form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres.
<b>Conditions to avoid:</b>	Excess heat and direct sunlight. Avoid contact with foodstuffs. Avoid contact to moisture.
<b>Incompatible materials:</b>	Bases and strong oxidizing agents

**11. TOXICOLOGICAL INFORMATION**

<b>Acute Oral</b>	LD <sub>50</sub> Oral - rat - male and female - > 5,000 mg/kg (Fixed Dose Method)
<b>Acute Dermal</b>	LD <sub>50</sub> Dermal - rabbit - male and female - > 5,000 mg/kg (OECD Test Guideline 402)
<b>Skin corrosion/irritation</b>	Skin - rabbit Result: No skin irritation (OECD Test Guideline 404)
<b>Serious eye damage/eye irritation</b>	Eyes - rabbit Result: No eye irritation (OECD Test Guideline 405)
<b>Inhalation</b>	Inhalation of dusts or mists may irritate the respiratory system.
<b>Respiratory or skin sensitisation</b>	No data available
<b>Mutagenicity</b>	In vitro assay S. typhimurium Result: negative
<b>Reproduction/developmental</b>	No data available
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	Repeated dose toxicity - rat - male - Oral - No observed adverse effect level - 154 mg/kg - Lowest observed adverse effect level - 371 mg/kg
<b>Aspiration hazard</b>	No data available

**12. ECOLOGICAL INFORMATION**

<b>Aquatic Toxicity:</b>	Toxicity to fish static test LC <sub>50</sub> - Pimephales promelas (fathead minnow) - > 2,100 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Mobility in soil:</b>	Will likely be mobile in the environment due its water solubility.
<b>PBT and vPvB assessment:</b>	Not applicable
<b>Other adverse effects:</b>	No data available

**13. DISPOSAL CONSIDERATIONS**

Do not discharge this product to natural waterways, storm water channels or sewers. This product is not a hazardous waste and it can, along with its containers, be disposed to landfill in accordance with local regulations. Household disposal: Rinse empty container in the pool water before disposal. Dispose of empty container with household waste.

**14. TRANSPORT INFORMATION**

This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

**15. REGULATORY INFORMATION**

APVMA Number	Not applicable
Poisons Schedule	S5
Listing in the Australian Inventory of Chemical Substances (AICS)	Product components listed

**16. OTHER INFORMATION**

<b>ADG</b>	Australian Code for the Transport of Dangerous Goods by Road & Rail Edition 7.5, 2017
<b>AS/NZS</b>	Australian Standard/New Zealand Standard
<b>CAS Number:</b>	Unique Chemical Abstracts Service Registry Number
<b>EC<sub>50</sub>:</b>	Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species).
<b>GHS:</b>	Globally Harmonized System of classification and labelling of chemicals (GHS)
<b>Hazchem Code:</b>	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters
<b>HCIS:</b>	Hazardous Chemical Information System ( <a href="http://hcis.safeworkaustralia.gov.au/HazardousChemical">http://hcis.safeworkaustralia.gov.au/HazardousChemical</a> )
<b>IARC:</b>	International Agency for Research on Cancer
<b>LD<sub>50</sub>:</b>	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
<b>IDLH:</b>	Immediately dangerous to life or health ( <b>IDLH</b> ) is <b>defined</b> by the US National Institute for Occupational Safety and Health (NIOSH)
<b>LC<sub>50</sub>:</b>	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population.
<b>NTP:</b>	National Toxicology Program (USA)
<b>SDS:</b>	Safety Data Sheet
<b>STEL:</b>	Short term exposure limit (STEL) means the time-weighted average maximum airborne concentration of a substance calculated over a 15 minute period.
<b>TWA:</b>	8-hour Time-weighted average (TWA) means the maximum average airborne concentration of a substance when calculated over an eight-hour working day, for a five-day working week.
<b>WES:</b>	Workplace exposure standard
<b>UN Number:</b>	United Nations Dangerous Goods Number

**References:**

Work Safe Australia Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (February 2016). The exposure standards comply with the New Zealand and Australian Workplace Exposure Standards for Airborne Contaminants. The Dangerous Goods Classification complies with the Australian Code for the Transport of Dangerous Goods by Road & Rail Edition 7.5, 2017. Other information from ChemIDPlus and linked databases

**Sections Revised:** All

**Replaces revision:** 10 Oct 2017

**Disclaimer**

This Safety Data Sheet (SDS) has been prepared in compliance with the Work Safe Australia Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (February 2016). The information in this SDS should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Hy-Chlor Australia Pty. Limited shall not be held liable for any damage resulting from handling or from contact with the above product.

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