

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

<b>Product Name:</b>	<b>HY-CLOR STABILISED GRANULAR CHLORINE</b>
<b>Product Code:</b>	<b>HYCSGC10</b>
<b>UN Number:</b>	None allocated
<b>Recommended Use of the Chemical and Restrictions on Use:</b>	SWIMMING POOL DISINFECTANT AND SANITISER DO NOT MIX WITH OTHER CHEMICALS
<b>Chemical Formula:</b>	C <sub>3</sub> H <sub>4</sub> Cl <sub>2</sub> N <sub>3</sub> NaO <sub>5</sub>
<b>Supplier:</b>	HY-CLOR AUSTRALIA PTY LTD
<b>Street Address:</b>	178 Power Street Glendenning NSW 2761
<b>Telephone Number:</b>	02 8805 2400 (Aus) 09 973 2477 (Nz)
<b>After Hours:</b>	0404 859 515 (Aus)
<b>Email:</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>0800 764 766 (New Zealand)</b>

**2. HAZARDS IDENTIFICATION**

This product is classified by SafeWork Australia as:

- Acute toxicity oral — category 4
- Acute toxicity inhalation — category 4
- Skin irritation — category 2
- Eye damage — category 1
- Specific target organ toxicity (single exposure) — category 3

Note that it is NOT classified by SafeWork Australia as an oxidising solid

It is not a dangerous good for road and rail transport in Australia according to Australian Dangerous Goods (ADG) Code Special Provision AU01 in packages as supplied by Hy-Clor

It is Dangerous goods Class 9 for air and sea transport (IATA or IMDG criteria)

**Poison Schedule: S6**

**SIGNAL WORD: DANGER**

**Hazard Pictograms:**





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### Hazard Statement(s):

- AUH031:** Contact with acids liberates toxic gas
- H302:** Harmful if swallowed
- H332:** Harmful if inhaled
- H315:** Causes skin irritation
- H318:** Causes serious eye damage
- H335:** May cause respiratory irritation

### Precautionary Statement(s):

- P220:** Keep or store away from combustible materials
- P232:** Protect from moisture
- P233:** Keep container tightly closed
- P234:** Keep only in original container
- P235:** Keep cool
- P261:** Avoid breathing dust
- P262:** Do not get in eyes, on skin, or on clothing
- P270:** Do not eat, drink or smoke while using this product
- P271:** Use only outdoors or in a well ventilated area
- P280:** Wear eye protection (e.g. goggles)

### Response:

- P301+P312:** IF SWALLOWED call POISON CENTRE or Doctor if you are feeling unwell
- P301+P330+P331:** IF SWALLOWED, rinse mouth, do not induce vomiting
- P304+P340:** IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing
- P305+P351+P338 :** IF IN EYES; rinse Cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing
- P310:** IF IN EYES: immediately call a POISON CENTRE or doctor
- P302+ P352:** IF ON SKIN: wash with plenty of soap and water
- P332 + 313:** If skin irritation occurs: get medical attention
- P362:** Take off contaminated clothing and wash before reuse
- P391 +P501:** Collect spillage. Do not return to original container, dispose of in accordance with sections 6 and 13 below

### Storage:

- P402+P404:** Store in a dry place. Store in a closed container
- P403+P235:** Store in a well-ventilated place. Keep cool

### Disposal:

- P501:** If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion
Sodium Dichloroisocyanurate Dihydrate	51580-86-0	98-100%
Inert Materials		To 100%



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### 4. FIRST AID MEASURES

#### General

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 131126 from anywhere in Australia and is available at all times. Have this SDS when you call.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre or call a doctor.

**Eye:** Quickly and gently brush particles from eyes. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately.

**Skin:** Gently brush away excess particles. Irritation is unlikely. However, if irritation does occur, flush with lukewarm gently flowing water for 10 minutes or until chemical is removed.

**Inhalation:** If inhalation occurs, contact a Poisons Information Centre, or call a doctor. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. In severe cases, symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.

### 5. FIRE FIGHTING MEASURES

#### Fire and Explosion Hazards:

The major hazard in fires is usually inhalation of heated and 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.

#### Extinguishing Media:

In case of fire, use carbon dioxide, dry chemical, foam or water fog.

#### Fire Fighting:

When fighting fires involving significant quantities of this product, wear a splash suit complete with self-contained apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

Accidental release: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty containers in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses.

### 7. HANDLING AND STORAGE

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Wear personal protective equipment if necessary. Avoid contact or contamination of product with incompatible materials.

**Storage:** Make sure 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. Keep away from heat and flame.



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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits have not been established by SWA for any of the known significant ingredients in this product. No special equipment is usually needed when occasionally handling small quantities.

**Engineering Measures:** Avoid generating and inhaling dusts. Use in a well ventilated area only. Keep containers in a well ventilated area. Local exhaust ventilations system may be required.

#### Personal Protection Equipment

**Clothing:** Suitable protective clothing should be worn e.g. cotton overalls and safety shoes.

**Skin Protection:** Impervious PVC rubber gloves meeting the requirements of **AS2161** should be worn.

**Eye Protection:** Safety glasses with side shields or goggles meeting the requirements of should be worn.

**Respiratory Protection:** If dust exists, wear respirator meeting the requirements of **AS/NZS 1716**. Safety deluge showers should, if practical, be provided near to where this product is being handled commercially

**Personal Hygiene** Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White to cream, dry free flowing powder. Chlorine odour.
<b>Boiling Point:</b>	Not applicable
<b>Freezing/Melting Point:</b>	240 Deg C.
<b>Vapour Pressure:</b>	Not applicable
<b>Specific Gravity:</b>	Not available
<b>Flash Point:</b>	Not applicable
<b>Upper Flammability Limit:</b>	Not applicable
<b>Lower Flammability Limit:</b>	Not applicable
<b>Solubility in Water:</b>	Appreciable
<b>pH:</b>	6.5 (1% solution)
<b>Autoignition Temp:</b>	Not applicable Does not burn.

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Exposure to high temperatures or contact with acids may liberate chlorine gas which is toxic.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30 Deg C. Keep containers tightly closed. Containers should be kept dry. Keep containers and surrounding areas well-ventilated. Keep away from heat, flames and sparks. Keep isolated from combustible materials.

**Incompatible Materials:** Acids, organic chemicals-(including oils and solvents, organic fertilisers, sawdust etc.), oxidising agents such as calcium hypochlorite, nitrogen compounds such as fertilisers, and finely powdered metals.

#### Hazardous Decomposition

Exposure to heat above 70°C or so will cause the dihydrate to lose water and at higher temperatures, around 240°C, thermal decomposition may result in the release of toxic and/or irritating fumes including chlorine gas and nitrogen trichloride.

This product will not undergo polymerisation reactions.



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### 11. TOXICOLOGICAL INFORMATION

#### Potential Health Effects

##### Acute Effects

**Swallowed:** Available data shows that this product is harmful; symptoms may include nausea, vomiting and irritation of the gastrointestinal tract if swallowed.

**Skin:** Available data indicates that this product is not harmful and no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable elbow-length gloves when skin contact is likely.

**Eye:** This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage

**Inhaled:** The vapour is an irritant to the mucous membranes and respiratory tract. Inhalation of dust will result in respiratory irritation. Inhalation may result in headaches, dizziness and possible nausea. May also cause burns to the respiratory tract with the production of lung edema which can result in shortness of breath, wheezing, choking, chest pain and impairment of lung function. Inhalation of high concentrations can result in permanent lung damage.

**Long Term Effects:** Prolonged skin exposure may cause destruction of the dermis with impairment of the skin at site of contact to regenerate.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Insufficient Data

### 13. DISPOSAL CONSIDERATIONS

**Disposal:** Dispose of according to relevant local, state and federal government regulations.

**Special Precautions for Landfill:** Contact a specialist disposal company for landfill.

### 14. TRANSPORT INFORMATION

#### Road and rail transport within Australia

This product is an Environmentally Hazardous Substance, Solid meeting the description of UN 3077 and is not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported in small packages as supplied by Hy-Clor (ADG 7.7 SP AU01)

#### Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No: 3077

Transport Hazard Class: 9 Miscellaneous Dangerous Goods

Packing Group: III

Proper Shipping Name :

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SODIUM  
DICHLOROISOCYANURATE DIHYDRATE)

IMDG EMS Fire: F-A

IMDG EMS Spill: S-F

Marine Pollutant Yes



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### Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No: 3077

Transport Hazard Class: 9 Miscellaneous Dangerous Goods

Packing Group: III

Proper Shipping Name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SODIUM DICHLOROISOCYANURATE DIHYDRATE)

### 15. REGULATORY INFORMATION

Poisons Standard (Scheduling):	Schedule 6
APVMA Product Number:	93644/140036
Listing in the Australian Inventory of Chemical Substances (AICS)	Not applicable for APVMA registered products

### 16. OTHER INFORMATION

Any advice, recommendation, information, assistance, or service provided by Hy-Clor Australia in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, this information is given without warranty or representation. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products.

#### Contact:

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Technical Regulations Manager  
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