

# SAFETY DATA SHEET

## CLORSAN : SANITISER

### 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

**Product Name** CLORSAN  
**Product Code** 197  
**Product Use** Powdered chlorine sanitiser  
**Company Name** Byre Chemicals  
**Address** 3/43 Byre Avenue  
 Somerton Park SA 5044  
**Telephone** 08 8350 9228  
**Fax** 08 8350 9334  
**Emergency phone no.** 0412 426 697  
**Email** [info@byrechemicals.com.au](mailto:info@byrechemicals.com.au)

### 2. HAZARDS IDENTIFICATION

Classified as dangerous goods by the criteria of The Australian Dangerous Goods Code for transport by Road or Rail  
 This material is Hazardous according to Safework Australia  
**GHS Classification** H272 Oxidising solid . May intensify fire. Category 2  
 H300 Fatal if swallowed Category 1  
 H312 Harmful in contact with skin Category 4  
 H317 May cause an allergic skin reaction Category 1  
 H318 Causes serious eye damage  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled Category 1  
 H371 May cause damage to organs Category 2  
 H402 Harmful to aquatic life  
**Signal Word** DANGER  
**Precautionary Statement**  
 Avoid contact with skin and eyes  
 Wear eye protection and rubber gloves  
 Avoid inhaling mists  
 If swallowed DO NOT induce vomiting. Give water or milk. Seek immediate medical help.  
 Splashes on skin to be washed off immediately  
 If splashed into eyes , remove contact lenses if present and wash with clean running water for 15 minutes. Seek medical attention immediately.  
 Keep containers tightly closed and store in a lock-up facility.

**Pictograms**



### 3. COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENTS	CAS.NO.	PROPORTION
Sodium dichloroisocyanurate	2893-78-9	100 %

**BYRE CHEMICALS**

**CLORSAN : SANITISER****4. FIRST-AID MEASURES**

**INHALATION.** Avoid generating mists. Remove casualty from contaminated area. Remove contaminated clothing. If patient finds breathing difficult and develops a blue colouration to the skin, ensure airways are clear and administer oxygen through a face mask. Apply artificial respiration if patient stops breathing. Seek immediate medical help.

**INGESTION** If swallowed Do Not induce vomiting. Give water or a glass of milk. If breathing has stopped, give artificial respiration. Transport to hospital.

**SKIN** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. Wash clothing before re-use. If irritation persists, seek medical advice.

**EYE** If in eyes, hold eyelids apart and flood the eye continuously with water for at least 10 minutes. Seek medical attention

**FIRST AID** Eye wash. Safety shower , hand wash basin

**ADVICE TO DOCTOR** Treat symptomatically. Delayed effects from exposure to Chlorine can include shortness of breath, severe headache, and pneumonia.

**5. FIREFIGHTING MEASURES**

**Extinguishing Media** Water spray in large quantities.

**DO NOT USE CARBON DIOXIDE, DRY CHEMICAL POWDER.**

**Hazchem Code** 1W

**Hazards from Combustion** Material won't burn but will support combustion of other materials. Oxidising substance . Decomposes on heating emitting toxic fumes including those of chlorine and hydrogen chloride.

**Precaution for Firefighter** In case of fire , specialist fire fighters must be called. Evacuate area . Full protective gear must be worn. Only large quantities of WATER must be used to extinguish flame

**6. ACCIDENTAL RELEASE MEASURES****EMERGENCY PROCEDURE**

Evacuate all unauthorised personnel. Do not breathe fumes or handle damaged containers Shut off all sources of ignition.

For small spills hose down area. For large spills cover spill with soda ash. Collect spill and transfer to LARGE volume of water. Dispose of waste according to local and national regulations.

**7. HANDLING AND STORAGE****PRECAUTIONS FOR SAFE HANDLING**

Wear appropriate protective clothing

Avoid inhalation of vapours and mists and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use.

Prevent the build up of mists and vapours in the work atmosphere. Do not use near ignition sources, cut, heat containers as they may produce hazardous fumes. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities

**CONDITIONS FOR SAFE STORAGE**

Store in a cool, dry, well ventilated place out of direct sunlight and away from foodstuffs . Keep container tightly sealed when not in use.

8

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits** Chlorine Peak Limitation 3 mg.m3 ( 1 ppm )

**Engineering Controls** This substance is hazardous

**Eye Protection** Safety glasses with side shields should be used.

**Hand Protection** Wear gloves of impervious material such as neoprene, or nitrile rubber.

**Hygiene Measures** Avoid contact with skin, eyes and clothing

Wash hands after handling product.

Keep away from foodstuffs.

**Skin & Body Protection** Wear rubber apron

**CLORSAN : SANITISER****9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	White granular powder
Odour	Slight chlorine
pH	6.5 ( 1% solution )
Melting Point	240C
Flash Point	Not Applicable
Flash Point	None
Specific Gravity	0.96
Solubility in Water	Soluble in water 250 gm/lit at 25C

**10. STABILITY AND REACTIVITY**

Chemical Stability	Oxidising agent Avoid contact with reducing agents. Decomposes in alkaline conditions evolving carbon dioxide, nitrogen and chloramines gases
Hazardous Reaction	Reacts with water and acids evolving toxic chlorine gas and in the presence of small amounts of water the explosive gas nitrogen trichloride.
Conditions to avoid	Excess heat exposure . Avoid exposure to moisture and direct sunlight.
Incompatible materials	Acids, reducing agents, ammonium salts, nitrogenous materials .
Hazardous decomposition	Chlorine
Hazardous polymerization	Will not occur

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity	Oral LD50 ( Rat ) 1420 mgm/kg
Inhalation	Irritant to the mucous membranes of the respiratory tract. Inhalation of high concentrations may result in shortness of breath, severe headaches, chest pain, lung damage including pulmonary oedema.
Ingestion	Swallowing can result in nausea, vomiting, diarrhoea and gastrointestinal irritation.
Eyes	Corrosive. Causes severe burns which can result in permanent injury or blindness
Skin	Causes irritation.
Carcinogenic	No evidence of carcinogenic properties
Chronic Effects	Repeated or prolonged skin contact may cause chronic dermatitis.

**12. ECOLOGICAL INFORMATION**

Ecotoxicity	Avoid contaminating waterways
Persistence/Degradability	Low
Mobility	Soluble in water
Aquatic Toxicity	Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment
Environmental	Do not discharge into drains, sewers, waterways

**13. DISPOSAL CONSIDERATIONS**

Spills & Disposal	Disposal of small spillages only hose area with excess water only. For large spillages dissolve powder into dilute caustic soda solution stir gradually and neutralise the solution with sodium sulphite, a reducing agent. Adjust pH to neutral with hydrochloric or sulphuric acid.
Disposal	Land fill. Refer to Land Waste Management Authority in your State

**CLORSAN : SANITISER****14. TRANSPORT INFORMATION**

<b>Transport Information</b>	<i>This material is classified as Dangerous Goods Class 5.1 Class 5.1 goods are incompatible with the following Class 1 Explosives Class 8 Acids</i>
<b>Proper Shipping Name</b>	<b>DICHLOROISOCYANURIC ACID SALTS</b>
<b>UN.NO.</b>	<b>2465</b>
<b>Packaging Group</b>	<b>11</b>
<b>Hazchem Code</b>	<b>1W</b>
<b>DG Class</b>	<b>5.1</b>

**15. REGULATORY INFORMATION**

<b>Regulatory Information</b>	<i>Classified as hazardous according to criteria of NOHSC Poisons Schedule S6</i>
<b>Hazard Category</b>	<i>Irritant to skin</i>
<b>Risk Statement</b>	<i>Causes respiratory irritation..</i>
<b>Safety Statement</b>	<i>Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Wear suitable gloves and eye/face protection. In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately.</i>

**16. OTHER INFORMATION**

<b>Preparer Signature</b>	<b>Technical Director</b>
<b>Contact</b>	<b>Telephone: 08 8350 9228 24 hour emergency number 0412 426 697</b>

*Every care is taken to ensure that the information printed hereon is true and accurate and that the contents are suitable for the purposes represented, but since the conditions of use are beyond the control of the manufacturers, they make no warranty, express or implied, and they disclaim any liability in connection with the use of this product, whether used separately or in combination with any other substance.*