

SAFETY DATA SHEET

OPTISAN : LAUNDRY BLEACH

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name OPTISAN
Product Code 120
Product Use Powdered chlorine bleach for use in commercial laundries. Use at the rate of 100-200 mgm per 45 kg dry laundry at 60C
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

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 May intensify fire : oxidiser Category 3
 H302 Harmful if swallowed Category 4
 H315 Causes skin irritation Category 2
 H318 Causes serious eye damage Category 1
 H335 May cause respiratory irritation Category 3
 H373 May cause damage to organs through prolonged or repeated exposure Category 2
 H412 Harmful to aquatic life with long lasting effects Category 3
Signal Word DANGER
Hazard Statement Harmful if swallowed
 Causes severe burns and eye damage
Precautionary Statement
 Avoid contact with skin and eyes
 Wear eye protection and rubber gloves
 Avoid inhaling dust
 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



HAZARD STATEMENT

May intensify fire Oxidiser
 Causes serious eye irritation
 May cause respiratory irritation
 Very toxic to aquatic life with long lasting effects

BYRE CHEMICALS

OPTISAN : LAUNDRY BLEACH

3. COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENTS	CAS.NO.	PROPORTION
Sodium dichloroisocyanurate	2893-78-9	30 - 40 %
Sodium carbonate	497-19-8	30 - 40 %
Non hazardous ingredients		20 - 30 %

4. FIRST-AID MEASURES

INHALATION	Avoid generating dust. 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, pulmonary oedema and pneumonia.

5. FIREFIGHTING MEASURES

Extinguishing Media	Water spray in large quantities. DO NOT USE CARBON DIOXIDE, DRY CHEMICAL POWDER.
Hazchem Code	2X
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 applicable 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.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<i>Exposure Limits</i>	<i>Chlorine Peak Limitation 3 mg.m3 (1 ppm)</i>
<i>Engineering Controls</i>	<i>This substance is hazardous</i>
<i>Eye Protection</i>	<i>Safety glasses with side shields should be used.</i>
<i>Hand Protection</i>	<i>Wear gloves of impervious material such as neoprene, or nitrile rubber.</i>
<i>Hygiene Measures</i>	<i>Avoid contact with skin, eyes and clothing Wash hands after handling product. Keep away from foodstuffs.</i>
<i>Skin & Body Protection</i>	<i>Wear rubber apron</i>

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Appearance</i>	<i>White to grey granular powder</i>
<i>Odour</i>	<i>Slight chlorine</i>
<i>pH</i>	<i>8.5 (1% solution)</i>
<i>Melting Point</i>	<i>240C</i>
<i>Flash Point</i>	<i>Not Applicable</i>
<i>Flash Point</i>	<i>None</i>
<i>Specific Gravity</i>	<i>1.25</i>
<i>Solubility in Water</i>	<i>Soluble in water 200 gm/lt at 25C</i>

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	<i>Oral LD50 (Rat) 1420 mgm/kg</i>
<i>Inhalation</i>	<i>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.</i>
<i>Ingestion</i>	<i>Swallowing can result in nausea, vomiting, diarrhoea and gastrointestinal irritation.</i>
<i>Eyes</i>	<i>Corrosive. Causes severe burns which can result in permanent injury or blindness</i>
<i>Skin</i>	<i>Causes irritation.</i>
<i>Carcinogenic</i>	<i>No evidence of carcinogenic properties</i>
<i>Chronic Effects</i>	<i>Repeated or prolonged skin contact may cause chronic dermatitis.</i>

12. ECOLOGICAL INFORMATION

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

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<i>Spills & Disposal</i>	<i>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.</i>
<i>Disposal</i>	<i>Land fill. Refer to Land Waste Management Authority in your State</i>

14. TRANSPORT INFORMATION

<i>Transport Information</i>	<i>This material is classified as Dangerous Goods Class 8 Class 5.1 goods are incompatible with the following Class 1 Explosives Class 8 Acids</i>
<i>Proper Shipping Name</i>	<i>DICHLOROISOCYANURIC ACID SALTS</i>
<i>UN.NO.</i>	<i>1719</i>
<i>Packaging Group</i>	<i>11</i>
<i>Hazchem Code</i>	<i>2X</i>
<i>DG Class</i>	<i>8</i>

15. REGULATORY INFORMATION

<i>Regulatory Information</i>	<i>Classified as hazardous according to criteria of NOHSC Poisons Schedule S5.</i>
<i>Hazard Category</i>	<i>Irritant to skin</i>
<i>Risk Statement</i>	<i>Causes respiratory irritation..</i>
<i>Safety Statement</i>	<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

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

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