

Infosafe No™ VAR7R	Issue Date : October 2024	ISSUED by HUNTERST
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Product Name **BLEACH**

## Section 1 - Identification

<b>Product Identifier</b>	BLEACH
<b>Company Name</b>	Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
<b>Address</b>	60 Gleadow Street INVERMAY TAS 7248 AUSTRALIA
<b>Telephone/Fax Number</b>	Tel: 03 6331 4755 Fax: 03 6334 1065
<b>Emergency Phone Number</b>	0417 744 144
<b>Recommended use of the chemical and restrictions on use</b>	As a bleaching and sanitising agent.

## Section 2 - Hazard(s) Identification

<b>GHS Classification of the Substance/Mixture</b>	Eye damage/irritation: Category 2A Skin corrosion/irritation: Category 2
<b>Signal Word</b>	WARNING
<b>Hazard Statement (s)</b>	AUH031 Contact with acids liberates toxic gas. H315 Causes skin irritation. H319 Causes serious eye irritation.
<b>Pictogram (s)</b>	Exclamation mark



<b>Precautionary Statement – Prevention</b>	P264 Wash contaminated skin thoroughly after handling. P280(f) Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement – Response</b>	P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.
<b>Precautionary Statement – Storage</b>	P405 Store locked up.
<b>Precautionary Statement – Disposal</b>	P501 Dispose of contents/container in accordance with local regulations.
<b>Precautionary Statement – General</b>	P102 Keep out of reach of children. P103 Read carefully and follow all instructions.

## Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Sodium hypochlorite	7681-52-9	<10%
	Available Chlorine	7681-52-9	5%
	Water	7732-18-5	to 100%
	Other ingredients determined not to be hazardous	Not required	<10%

## Section 4 - First Aid Measures

<b>Inhalation</b>	Remove from exposure, rest and keep warm. In severe cases, obtain medical attention.
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<b>Ingestion</b>	Immediately rinse mouth with water. Do NOT induce vomiting. Slowly give water to drink. Seek medical assistance.
<b>Skin</b>	If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If swelling, redness, blistering, or irritation occurs seek medical advice.
<b>Eye</b>	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
<b>First Aid Facilities</b>	Eye wash station and normal washroom facilities.
<b>Advice to Doctor</b>	Product is a solution of sodium hypochlorite, with up to 5 % available chlorine. If swallowed, may lead to fall in blood pressure. Treat with antacids to neutralise hypochlorous acid formed in the stomach, then as for alkaline materials. Onset of pulmonary oedema, following inhalation overexposure, may be delayed. Treat symptomatically. Contact Poisons Information Centre.

## Section 5 - Firefighting Measures

<b>Suitable Extinguishing Media</b>	Use extinguishing media appropriate to surrounding fire.
<b>Hazards from Combustion Products</b>	Chlorine, water vapour, sodium hydroxide, sodium carbonate, sodium chloride.
<b>Specific Methods</b>	In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.
<b>Specific Hazards Arising from the Chemical</b>	May form explosive products with primary aliphatic or aromatic amines, methanol and with nitrites. Contact with acids will generate chlorine, a toxic and corrosive gas. May react vigorously or violently with oxidising agents, reducing agents and metal salts.
<b>Other Information</b>	Avoid contact with coloured fabric as Chlorine may bleach colour out. May give off dangerous gas if mixed with other products.

## Section 6 - Accidental Release Measures

<b>Emergency Procedures</b>	Contain. Increase ventilation.
<b>Spills &amp; Disposal</b>	Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to sealed container and arrange removal by disposals company. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

## Section 7 - Handling and Storage

<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded dangerous goods store. Store in original container. Never store in unlined metal containers. Keep container tightly closed. Keep out of direct sunlight. Keep away from combustible materials. Keep away from acids. Keep away from metals and their salts. Keep away from aliphatic and aromatic amines. Keep away from methanol and nitrites. Keep away from oxidising and reducing agents. Prevent vapours from collecting in enclosed spaces. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.
<b>Unsuitable Materials</b>	Incompatibles: Acids, reducing agents, other types of chlorinating compounds, combustible materials, metals and their salts, hydrogen peroxide, aliphatic and aromatic amines, methanol and nitrites.

## Section 8 - Exposure Controls and Personal Protection

<b>Engineering Controls</b>	Prevent direct contact with metals. Avoid using wood or wood products as materials of construction. Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities, or if vapour risk exists, consider
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**Personal Protective Equipment**

local mechanical exhaust/extraction to keep airborne contamination as low as possible and at least below the TLV.  
Prevent contact with the eyes. Avoid contact with the skin. Avoid breathing the vapours. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-  
Normal Use:  
Eye/face protection  
Gloves, rubber or plastic.  
Industrial Quantities:  
Face shield or safety glasses  
Gloves, rubber or plastic  
Plastic apron, sleeves and boots  
Impervious overalls.  
Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

**Section 9 - Physical and Chemical Properties**

<b>Form</b>	Liquid
<b>Appearance</b>	Clear, colourless liquid.
<b>Odour</b>	Mild odour of chlorine bleach.
<b>Boiling Point</b>	100C
<b>Solubility in Water</b>	Miscible with water in all proportions.
<b>Specific Gravity</b>	1.1
<b>pH</b>	7.9
<b>Vapour Pressure</b>	Not available.
<b>Volatile Component</b>	5 % as available chlorine.
<b>Flash Point</b>	None
<b>Flammability</b>	Not flammable. Moderate oxidiser.
<b>Other Information</b>	Oxidiser. Contact with combustible material may cause fire. Contact with acids will generate chlorine, a toxic and corrosive gas. May react violently with reducing agents. Can react with primary aliphatic and aromatic amines, methanol and nitrites to give explosive products. May react vigorously with oxidising agents. Incompatible with most metals. Will decompose on standing, generating chlorine. Decomposition will be accelerated by contamination and by exposure to sun light. May react vigorously with peroxides and metal salts. On long storage, may generate pressure inside sealed containers. Open cautiously.

**Section 10 - Stability and Reactivity**

<b>Chemical Stability</b>	May decompose slowly in long storage, evolving chlorine.
<b>Possibility of Hazardous Reactions</b>	My form toxic oxides of Chlorine if involved in a fire.
<b>Conditions to Avoid</b>	Incompatible materials, sunlight, contamination of any sort.
<b>Incompatible Materials</b>	Acids, reducing agents, oxidising agents, other types of chlorinating compounds, metals, wood and wood products, aliphatic and aromatic amines, methanol and nitrites.
<b>Hazardous Decomposition Products</b>	Decomposes on heating to emit toxic fumes. Heating can cause expansion of containers or decomposition leading to violent rupture of containers. Reacts vigorously with acids to produce dangerous levels of gaseous chlorine. Reacts with amines, ammonium salts, aziridine, methanol, phenylacetonitrile, metal salts, peroxides and reducing agents.

**Section 11 - Toxicological Information**

**Acute Toxicity - Oral** LD50: Sodium Hypochlorite 8910 mg/kg oral, rat

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<b>Acute Toxicity - Inhalation</b>	LC 50 : Chlorine      293 ppm/1 hour rat LCLo : Chlorine      2,530 mg/m3/30 minutes human
<b>Ingestion</b>	Will cause irritation and corrosion of the mouth, throat and gastrointestinal system. May cause pain and vomiting.
<b>Inhalation</b>	Inhalation of chlorine gas at 1 ppm will irritate the mouth, nose and throat. Above 1.3 ppm, vapours may cause coughing and difficulty breathing. Risk of delayed onset of pulmonary oedema (fluid in the lungs).
<b>Skin</b>	Short contact may cause irritation. On longer contact risk of chemical burns.
<b>Eye</b>	Severe irritant. Risk of permanent damage.
<b>Chronic Effects</b>	Repeated skin contact may lead to dermatitis or 'chloracne'. Chronic exposure to sodium hypochlorite may cause methaemoglobinemia, characterised by chocolate-brown coloured blood, headache, dizziness, weakness, shortness of breath, cyanosis, rapid heart rate, loss of consciousness. Sodium hypochlorite is classified by IARC (1991) as group 3; unclassifiable as to carcinogenicity to humans (on inadequate animal data, no human data).

## Section 12 - Ecological Information

<b>Ecotoxicity</b>	Sodium hypochlorite is harmful to aquatic organisms.
<b>Persistence and Degradability</b>	Readily decomposed on exposure to organic matter.
<b>Mobility</b>	Readily transported by water.
<b>Information on Ecological Effects</b>	Harmful to aquatic life.
<b>Environmental Protection</b>	Avoid contaminating waterways, drains, sewers, or ground.
<b>Acute Toxicity - Fish</b>	LC50: 0.07 mg/L (48 hours) - Fish (rainbow trout). 5.9 mg/L (48 hours) - Fish (flathead minnow).

## Section 13 - Disposal Considerations

<b>Waste Disposal</b>	Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State.
<b>Product Disposal</b>	Avoid disposal to natural waters.
<b>Container Disposal and Methods</b>	Avoid using un-lined metal containers.
<b>Special Precautions for Incineration or Landfill</b>	Unsuitable for incineration. May be unsuitable for landfill sites.

## Section 14 - Transport Information

<b>Transport Information</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Store away from acids.
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## Section 15 - Regulatory Information

<b>Poisons Schedule</b>	Not Scheduled
<b>Australia (AICS/AIC)</b>	All components listed.

## Section 16 - Any Other Relevant Information

<b>Date of Preparation</b>	26/10/2024
<b>Literature References</b>	Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons Australian Code for the Transport of Dangerous Goods by Road & Rail Globally Harmonised System of classification and labelling of chemicals GHS7

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**Signature of** Technical Manager 0417 744 144

**Preparer/Data Service**

**Technical Contact Numbers** Emergency Advice All Hours:  
Technical Manager: 0417 744 144 Mon-Fri 8am - 6pm  
Poisons Information Centre: 13 11 26 - 24hrs  
Transport/Fire Emergency: 000 (Emergency services)

**Other Information** This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.  
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