

Infosafe No™ VARFF	Issue Date : November 2024	ISSUED by HUNTERST
Product Name SODIUM HYPOCHLORITE 12.5%		

Section 1 - Identification

Product Identifier	SODIUM HYPOCHLORITE 12.5%
Company Name	Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
Address	60 Gleadow Street INVERMAY TAS 7248 AUSTRALIA
Telephone/Fax Number	Tel: 03 6331 4755 Fax: 03 6334 1065
Emergency Phone Number	0417 744 144
Recommended use of the chemical and restrictions on use	As a chlorinating bleach and sanitiser. Use as directed on the product label. In prescribed premises, rinse all food areas with potable water after use.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Corrosive to metals: Category 1 Eye damage/irritation: Category 1 Skin corrosion/irritation: Category 1B
Signal Word	DANGER
Hazard Statement (s)	AUH031 Contact with acids liberates toxic gas. H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
Pictogram (s)	Corrosion



Precautionary Statement – Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling. P280(f) Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement – Response	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep 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. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage. P405 Store locked up.
Precautionary Statement – Storage	
Precautionary Statement – Disposal	P501 Dispose of contents/container in accordance with local regulations.
Precautionary Statement – General	P101 If medical advice is needed, have product container or label at hand. 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 12.5%	7681-52-9	100%

Section 4 - First Aid Measures

Inhalation	Remove from exposure, rest and keep warm. In severe cases, obtain medical attention. Apply artificial respiration if not breathing.
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Ingestion	Immediately rinse mouth with water. Do NOT induce vomiting. Slowly give water to drink. Seek medical assistance.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If swelling, redness, blistering, or irritation occurs seek medical advice.
Eye	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
First Aid Facilities	Eye wash station and normal washroom facilities. Emergency shower if handling industrial quantities.
Advice to Doctor	Product is a solution of sodium hypochlorite. 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

Suitable Extinguishing Media	Use extinguishing media appropriate to surrounding fire.
Hazards from Combustion Products	Chlorine, hydrogen chloride.
Specific Methods	In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.
Specific Hazards Arising from the Chemical	Contact with combustible material may cause fire. 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.
Hazchem Code	2X
Other Information	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

Emergency Procedures	Contain. Increase ventilation.
Spills & Disposal	For large spills: Contain spillages with sand or earth. Transfer both liquid and solids to suitable container(s). Treat residues as for small spills. For small spills: If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent and transfer to suitable closed container. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

Section 7 - Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid breathing concentrated vapours. Keep away from combustible materials, acids, nitro compounds including amines and ammonium compounds, other chlorinating materials.
Conditions for safe storage, including any incompatibilities	Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bonded dangerous goods store. Store in original container. Containers should be vented with at least 5 % ullage, or unvented with at least 10 % ullage @ 23 °C. Do not store in unlined metal drums. Keep container tightly closed and out of direct sunlight. Prevent vapours from collecting in enclosed or low lying spaces. Keep away from acids, other oxidising agents, combustible materials. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.
Unsuitable Materials	Incompatibles: Acids, other oxidising agents, combustible materials, metals, metal salts, formic acid, amines, ammonium compounds, aziridine, methanol.

Section 8 - Exposure Controls and Personal Protection

Engineering Controls	Avoid using wood, wood products or unprotected metals as materials of construction. Ensure adequate ventilation (same as outdoors) when using. If
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Personal Protective Equipment

handling industrial quantities, or if vapour risk exists, consider 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.

CAUTION: Cotton or linen overalls impregnated with oxidising agents may be readily ignited and can burn fiercely.

Section 9 - Physical and Chemical Properties

Form	Liquid
Appearance	Clear yellow liquid
Colour	Clear pale yellow.
Odour	Strong smell of chlorine.
Boiling Point	100C
Solubility in Water	Miscible with water in all proportions.
Specific Gravity	1.2
pH	12.0 - 13.0
Vapour Pressure	Not available.
Flash Point	None
Flammability	Not flammable. Moderate oxidiser. Contact with combustible materials may cause fire.
Other Information	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

Possibility of Hazardous Reactions	Contact with combustible materials may cause fire. May react explosively with formic acid, phenylacetonitrile. Forms explosive products with amines, ammonium compounds, aziridine, methanol. Contact with acids will generate chlorine gas.
Conditions to Avoid	Incompatible materials, heating, sunlight, prolonged exposure to air.
Incompatible Materials	Acids, other oxidising agents, combustible materials, amines, ammonium compounds, formic acid, methanol, phenylacetonitrile, reducing agents, metal salts, metals, wood and wood products.
Hazardous Decomposition Products	Chlorine, hydrogen chloride.

Section 11 - Toxicological Information

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Acute Toxicity - Oral	Acute oral toxicity (LD50): 5800 mg/kg [Mouse]
Acute Toxicity - Inhalation	LCLo : Chlorine 2,530 mg/m3/30 minutes human
Ingestion	Corrosive and irritating if swallowed. May cause corrosion of the mucous membranes of the mouth, throat and gastrointestinal tract, a burning sensation, pain, abdominal cramps, oesophageal or gastric perforation, laryngeal oedema. May cause general depressed activity, lowering of blood pressure, nausea, vomiting, weakness, delirium, loss of consciousness and coma.
Inhalation	Inhalation of vapours or aerosols may cause coughing, shortness of breath and a burning sensation. May cause severe bronchial irritation and pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed by several hours after exposure. Pulmonary complications, e.g. from aspiration, may contribute to the death of a casualty.
Skin	Short contact may cause irritation. On longer contact risk of chemical burns.
Eye	Corrosive or irritating to eyes. May cause redness, pain, severe deep burns. Prolonged contact may lead to permanent injury.
Chronic Effects	Chronic skin exposure may cause skin sensitisation in some rare cases, but sodium hypochlorite is not classified as a sensitiser. Chronic exposure to sodium hypochlorite may lead to methaemoglobinaemia, characterised by chocolate-brown coloured blood, headache, dizziness, weakness, shortness of breath, cyanosis, rapid heart rate, unconsciousness and possible death.

Section 12 - Ecological Information

Ecotoxicity	Harmful to aquatic organisms.
Persistence and Degradability	Will degrade on exposure to air, sunlight.
Mobility	Readily transported by water and through soil.
Environmental Fate	Decomposes over time.
Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.

Section 13 - Disposal Considerations

Waste Disposal	Do not discharge effluent containing this product into laes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in a permit. Do not discharge effluent containing this product without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Reduce with agents such as bisulfites or ferrous salt solutions. Some heat will be produced. Keep on alkaline side and dilute with copious amounts of water. The main end-product is salt water. Waste must be disposed of in accordance with federal, state and local environmental control regulations. Refer to Land Waste Management Authority in your State.
Special Precautions for Incineration or Landfill	Unsuitable for incineration. May be unsuitable for landfill.

Section 14 - Transport Information

Transport Information	Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7. Store away from acids.
ADG UN Number	1791
ADG Proper Shipping Name	HYPOCHLORITE SOLUTION
ADG Transport Hazard Class	8

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ADG Packing Group III
Hazchem Code 2X
EPG Number 8A1
IERG Number 37

Section 15 - Regulatory Information

Poisons Schedule S5
Australia (AICS/AIIC) All components listed.

Section 16 - Any Other Relevant Information

Date of Preparation 1/11/2024

Literature References 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

Signature of Preparer/Data Service Technical Manager 0417 744 144

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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