


Infosafe No™ VAR1G	Issue Date : October 2024	ISSUED by HUNTERST
Product Name <b>CHLOROFOAM</b>		

## Section 1 - Identification

<b>Product Identifier</b>	CHLOROFOAM
<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 concentrated chlorinating detergent for use in the cleaning and sanitising of equipment, walls and tables in the food and related industries. Dilute and use as directed on the product label.

## 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>	P404 Store in a closed container.
<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
	Water	7732-18-5	60-100 %
	Ingredients determined not to be hazardous		0-10 %
	Non hazardous surfactants	Mixture	0-10 %
	Sodium hypochlorite	7681-52-9	0-5 %
	Potassium hydroxide	1310-58-3	0-2 %

## Section 4 - First Aid Measures

<b>Inhalation</b>	Remove from exposure, rest and keep warm. Seek medical advice.
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Infosafe No™ VAR1G	Issue Date : October 2024	ISSUED by HUNTERST
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Product Name **CHLOROFOAM**

<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 and hair 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 dilute, alkaline, chlorine bleach containing a low proportion of a surfactant. Irritating to skin and eyes. If swallowed, vomiting should not have been induced because of risk of aspiration of froth into the lungs. Contact Poisons Information Centre.
<b>Other Information</b>	Persons with pre-existing respiratory disease may be more at risk from this product.

### Section 5 - Firefighting Measures

<b>Suitable Extinguishing Media</b>	Use extinguishing media appropriate to surrounding fire.
<b>Hazards from Combustion Products</b>	Combustion products: Water vapour, chlorine, hydrogen chloride, oxides of sulphur, oxides of nitrogen.
<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>	Not combustible.
<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>Spills &amp; Disposal</b>	Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance. Spillages will be very slippery. Contain large spills with an inert material such as sand, soil or vermiculite. Collect and seal in properly labelled containers for disposal. Small spills may be mopped up. If local regulations permit, wash down area with excess water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapour.
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### Section 7 - Handling and Storage

<b>Precautions for Safe Handling</b>	Avoid contact with skin and eyes. Avoid breathing concentrated vapours. Keep away from acids.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in cool place in original container. Store away from oxidising agents, acids and foodstuffs. Keep containers closed when not in use. Store out of reach of children. Large quantities should be stored in a bunded area. Do not mix with other chemicals. Clean up all spills and splashes promptly; avoid secondary accidents.
<b>Unsuitable Materials</b>	Acids, active metals (such as aluminium, tin, zinc), reducing agents, combustible materials.

### Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limit (OEL) Values	<u>Name</u>	STEL		TWA		<u>Footnote</u>
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
	Potassium hydroxide			2		Peak limitation

Infosafe No™ VAR1G	Issue Date :October 2024	ISSUED by HUNTERST
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Product Name **CHLOROFOAM**

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<b>Engineering Controls</b>	Avoid using aluminium, tin, zinc or galvanised iron as materials of construction. Ensure adequate ventilation (same as outdoors) when using. If 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.
<b>Personal Protective Equipment</b>	Avoid contact with skin. Prevent contact with eyes. Avoid breathing concentrated 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.

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## Section 9 - Physical and Chemical Properties

<b>Form</b>	Liquid
<b>Appearance</b>	Clear, pale amber, mobile, frothing liquid.
<b>Colour</b>	Clear pale yellow.
<b>Odour</b>	Slight smell of chlorine bleach. Odour threshold (chlorine): 0.3 ppm.
<b>Solubility in Water</b>	Miscible with water in all proportions.
<b>Specific Gravity</b>	1.1
<b>pH</b>	12.7
<b>Vapour Pressure</b>	Not available.
<b>Flash Point</b>	None
<b>Flammability</b>	Not flammable.
<b>Other Information</b>	Highly alkaline solution. May react vigorously with acids, generating up to 5 % of chlorine, a toxic gas. Contact with active metals, such as aluminium, tin or zinc may generate hydrogen, a flammable gas. Mixture with combustible materials may cause fire. May react vigorously with reducing agents. May attack glass on prolonged contact. Slippery when spilled.

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## Section 10 - Stability and Reactivity

<b>Chemical Stability</b>	Stable under normal use conditons.
<b>Possibility of Hazardous Reactions</b>	Contact with acids may liberate up to 5 % of chlorine gas. Contact with active metals may generate hydrogen. Contact with combustible materials may cause fire.
<b>Conditions to Avoid</b>	Incompatible materials, heat.
<b>Incompatible Materials</b>	Acids, reducing agents, active metals, combustible materials.
<b>Hazardous Decomposition Products</b>	Chlorine, hydrogen chloride, oxides of sulphur, oxides of nitrogen.

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## Section 11 - Toxicological Information

<b>Acute Toxicity - Oral</b>	Sodium hypochlorite      5,800 mg/kg oral, mouse. Mixed surfactants:      438mg/kg oral, rat. Potassium hydroxide      273 mg/kg oral, rat
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Infosafe No™ VAR1G	Issue Date : October 2024	ISSUED by HUNTERST
--------------------	---------------------------	--------------------

Product Name **CHLOROFOAM**

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<b>Ingestion</b>	Irritating to mouth, throat and gastrointestinal system. Likely to cause gastric upset, discomfort or pain, nausea, inflammation, vomiting and diarrhoea. May cause a burning sensation and tissue damage. Large doses of sodium hypochlorite may cause lowered blood pressure, weakness and loss of consciousness. A possible aspiration risk.
<b>Inhalation</b>	Vapours are irritating to the respiratory system. Over-exposure may cause coughing, shortness of breath, a burning sensation and possible swelling and obstruction of the airways. Aspiration of froth into the lungs during swallowing or vomiting may cause bronchial irritation and pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed for some hours.
<b>Skin</b>	Irritating to skin. Will degrease the skin. Prolonged contact may cause skin burns.
<b>Eye</b>	Irritating to eyes. May cause permanent tissue injury.
<b>Chronic Effects</b>	Repeated skin contact may lead to irritation, dermatitis effects and possible skin burns. Chronic exposure to sodium hypochlorite may result in methaemoglobinemia, characterised by chocolate-brown coloured blood, headache, dizziness, weakness, shortness of breath, cyanosis, rapid heart rate, unconsciousness and possible death. Hypochlorite salts have been classified by the IARC as Group 3; unclassifiable as to carcinogenicity to humans (inadequate evidence in experimental animals; no data available in humans).

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## Section 12 - Ecological Information

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<b>Ecotoxicity</b>	Harmful to aquatic organisms.
<b>Mobility</b>	Readily transported by running water.
<b>Other Adverse Effects</b>	Contains a surfactant. Local concentrations may be harmful to aquatic organisms, including fish.
<b>Environmental Protection</b>	Avoid contaminating waterways, drains, sewers, or ground.

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## Section 13 - Disposal Considerations

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<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 or the environment.
<b>Container Disposal and Methods</b>	Do not use metal containers.
<b>Special Precautions for Incineration or Landfill</b>	Unsuitable for incineration. May be unsuitable for some landfill sites.

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## Section 14 - Transport Information

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<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.
<b>Special Precautions for Use</b>	Keep away from acids. Keep away from active metals. Contain spillages.

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## Section 15 - Regulatory Information

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

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## Section 16 - Any Other Relevant Information

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<b>Date of Preparation</b>	26/10/2024
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Infosafe No™ VAR1G	Issue Date : October 2024	ISSUED by HUNTERST
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Product Name **CHLOROFOAM**

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<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
<b>Signature of Preparer/Data Service</b>	Technical Manager 0417 744 144
<b>Technical Contact Numbers</b>	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)
<b>Other Information</b>	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. ...End Of MSDS...

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