

Infosafe No™ VAR1G Issue Date : March 2016 ISSUED by HUNTERST

Product Name **CHLOROFOAM**

Classified as hazardous

1. Identification

GHS Product Identifier CHLOROFOAM

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 0407 610 542

Recommended use of the chemical and restrictions on use 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.

2. Hazard Identification


GHS classification of the substance/mixture Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 2

Signal Word (s) WARNING

Hazard Statement (s) EUH031 Contact with acids liberates toxic gas.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statement – General P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s) Exclamation mark



Precautionary statement – Prevention P264 Wash contaminated skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response P302+P352 IF ON SKIN: Wash with plenty of soap and 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 Take off contaminated clothing and wash before reuse.

Precautionary statement – Storage P405 Store locked up.

Precautionary statement – Disposal P501 Dispose of contents/container in accordance with local regulations.

3. Composition/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 %

4. First-aid measures

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Inhalation	Remove from exposure, rest and keep warm. Seek medical advice.
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 and hair thoroughly. If swelling, redness, blistering, or irritation occurs seek medical advice.
Eye contact	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.
Advice to Doctor	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.
Other Information	Persons with pre-existing respiratory disease may be more at risk from this product.

5. Fire-fighting measures

Suitable extinguishing media	Use extinguishing media appropriate to surrounding fire.
Hazards from Combustion Products	Combustion products: Water vapour, chlorine, hydrogen chloride, oxides of sulphur, oxides of nitrogen.
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	Not combustible.
Other Information	Avoid contact with coloured fabric as Chlorine may bleach colour out. May give off dangerous gas if mixed with other products.

6. Accidental release measures

Spills & Disposal	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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7. Handling and storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid breathing concentrated vapours. Keep away from acids.
Conditions for safe storage, including any incompatibilities	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.
Unsuitable Materials	Acids, active metals (such as aluminium, tin, zinc), reducing agents, combustible materials.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Potassium hydroxide			2		Peak limitation

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Appropriate engineering controls	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.
Personal Protective Equipment	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.

9. Physical and chemical properties

Form	Liquid
Appearance	Clear, pale amber, mobile, frothing liquid.
Colour	Clear pale yellow.
Odour	Slight smell of chlorine bleach. Odour threshold (chlorine): 0.3 ppm.
Solubility in Water	Miscible with water in all proportions.
Specific Gravity	1.1
pH	12.7
Vapour Pressure	Not available.
Flash Point	None
Flammability	Not flammable.
Other Information	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.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Incompatible materials, heat.
Incompatible Materials	Acids, reducing agents, active metals, combustible materials.
Hazardous Decomposition Products	Chlorine, hydrogen chloride, oxides of sulphur, oxides of nitrogen.
Possibility of hazardous reactions	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.

11. Toxicological Information

Acute Toxicity - Oral	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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Ingestion	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.
Inhalation	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.
Skin	Irritating to skin. Will degrease the skin. Prolonged contact may cause skin burns.
Eye	Irritating to eyes. May cause permanent tissue injury.
Chronic Effects	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).

12. Ecological information

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

13. Disposal considerations

Waste Disposal	Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State.
Product Disposal	Avoid disposal to natural waters or the environment.
Container Disposal	Do not use metal containers.
Special precautions for landfill or incineration	Unsuitable for incineration. May be unsuitable for some landfill sites.

14. Transport information

Transport Information	Non regulated
Special Precautions for User	Keep away from acids. Keep away from active metals. Contain spillages.

15. Regulatory information

Poisons Schedule	S5
Hazard Category	Irritant
AICS (Australia)	All components listed.

16. Other Information

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Signature of Technical Manager 0407 610 542

Preparer/Data Service

Technical Contact Numbers

Emergency Advice All Hours:
Technical Manager: 0407 610 542 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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