

Infosafe No™ VAR1G Issue Date : November 2011 ISSUED by HUNTERST

Product Name **CHLOROFOAM**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name CHLOROFOAM
Company Name Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
Address 60 Gleadow Street INVERMAY
TAS 7248 Australia
Emergency Tel. 0407 610 542
Telephone/Fax Number Tel: 03 6431 9627
Fax: 03 6432 2083
Recommended 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. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous according to criteria of NOHSC
HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.
Risk Phrase(s) Classified as hazardous according to criteria of NOHSC
R31 Contact with acids liberates toxic gas.
R36/38 Irritating to eyes and skin.
Safety Phrase(s) S1/2 Keep locked up and out of reach of children.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell seek medical advice immediately
S50 Do not mix with other chemicals

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Water	7732-18-5	60-100 %
	Sodium hypochlorite	7681-52-9	0-5 %
	Potassium hydroxide	1310-58-3	0-2 %
	Ingredients determined not to be hazardous		0-10 %
	Non hazardous surfactants	Mixture	0-10 %

4. FIRST AID MEASURES

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 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.

Infosafe No™ VAR1G	Issue Date : November 2011	ISSUED by HUNTERST
--------------------	----------------------------	--------------------

Product Name **CHLOROFOAM**

Classified as hazardous according to criteria of NOHSC

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	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.
------------------------------	---

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	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

National Exposure Standards	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Potassium hydroxide			2		Peak limitation
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
-------------	--------

Infosafe No™ VAR1G	Issue Date : November 2011	ISSUED by HUNTERST
--------------------	----------------------------	--------------------

Product Name **CHLOROFOAM**

Classified as hazardous according to criteria of NOHSC

Appearance	Clear, pale amber, mobile, frothing liquid.
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 Value	12.7
Vapour Pressure	Not available.
Colour	Clear pale yellow.
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.
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

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.
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.
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).
Acute Toxicity - Oral	Sodium hypochlorite 5,800 mg/kg oral, mouse. Mixed surfactants: 438mg/kg oral, rat. Potassium hydroxide 273 mg/kg oral, rat

12. ECOLOGICAL INFORMATION

Infosafe No™ VAR1G	Issue Date : November 2011	ISSUED by HUNTERST
--------------------	----------------------------	--------------------

Product Name **CHLOROFOAM**

Classified as hazardous according to criteria of NOHSC

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.
Environ. 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

Signature of Preparer/Data Service	Technical Manager (03) 6431 9627
Technical Contact Numbers	Emergency Advice All Hours: Technical Manager: (03) 6431 9627 Mon-Fri 8am - 6pm Poisons Information Centre: 13 11 26 - 24hrs Transport/Fire Emergency: 000 (Emergency services)
Other Information	NOTICE: This MSDS 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 MSDS carefully, and if in doubt ring the Contact Point Number given below. ...End Of MSDS...

© Copyright ACOHS Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Acohs Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Acohs Pty Ltd.