

Infosafe No™ VAR89	Issue Date : April 2016	ISSUED by HUNTER
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 Product Name **HI-FOAM**

Classified as hazardous

1. Identification

GHS Product Identifier	HI-FOAM
Company Name	Hunter Industrials Pty Ltd (ABN 083 330 974)
Address	51-53 Lakewood Blvd Braeside Vic 3195 Australia
Telephone/Fax Number	Tel: (03) 9586 2888 Fax: (03) 9587 9851
Emergency phone number	0409 949 298
E-mail Address	sales@huntind.com.au
Recommended use of the chemical and restrictions on use	Used as a foamer degreaser for the food industry to assist in the removal of blood. Fats, protein build up typically found in abattoirs, poultry processors and seafood manufacturers.

2. Hazard Identification

GHS classification of the substance/mixture	Acute Toxicity - Oral: Category 4 Eye Damage/Irritation: Category 1 Skin Corrosion/Irritation: Category 1A
Signal Word (s)	DANGER
Hazard Statement (s)	AUH031 Contact with acids liberates toxic gas. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H402 Harmful to aquatic life.
Precautionary statement - General	P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Corrosion, Exclamation mark



Precautionary statement - Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement - Response	P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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 or doctor/physician. P363 Wash contaminated clothing before reuse.
Precautionary statement - Storage	P405 Store locked up.
Precautionary statement - Disposal	P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
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Potassium hydroxide	1310-58-3	10-30 %
Sodium hypochlorite	7681-52-9	0-4 %
Ingredients determined not to be hazardous, including water.		to 100%

4. First-aid measures

Inhalation Remove victim to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

Ingestion Immediately rinse mouth with water. Do NOT induce vomiting. Give a glass of water to be taken slowly. Seek immediate medical attention.

Skin Remove all contaminated clothing and immediately wash affected area with plenty of water. If swelling, redness, blistering or irritation occurs, seek medical advice.

Eye contact Hold eyes open and flood with running water for at least 15 minutes, bathe eyes with soothing eyedrops or sterile saline, urgently seek medical attention. Transport to hospital or medical centre.

First Aid Facilities Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor Product is a solution of potassium hydroxide and sodium hypochlorite. Corrosive to living tissues. Inhalation may be followed by pulmonary oedema. Treat symptomatically. Contact Poisons Information Centre.

5. Fire-fighting measures

Suitable extinguishing media Use dry chemical, carbon dioxide, foam or water fog, appropriate to surrounding fire.

Hazards from Combustion Products Corrosive or toxic fumes.

Specific hazards arising from the chemical If tanks, drums or containers of this material are heated, they may rupture and project corrosive materials over a wide area. May react violently with strong acids. May react vigorously or violently with reducing agents or peroxides. Contact with acids will generate chlorine, a poisonous gas. Contact with some metals will generate hydrogen, a flammable gas. Contact with ammonium salts will generate ammonia, a poisonous gas.

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.

6. Accidental release measures

Emergency Procedures Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Do not walk or touch spilt material unless wearing personal protection as outlined under MSDS. Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapour.

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 container. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

7. Handling and storage

Conditions for safe storage, including any incompatibilities Store in a well ventilated place, out of reach of children. Large quantities should be stored in a bunded dangerous goods store. Store in original container. Keep container tightly closed. May slowly lose chlorine on long storage. Keep away from acids, peroxides, reducing agents, combustible materials, and ammonium salts. Keep away from metals and metal salts.

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Prevent contact with aluminium, tin, zinc or galvanised iron. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Potassium hydroxide			2		Peak limitation
Appropriate engineering controls	Corrosive liquid. Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.					
Personal Protective Equipment	Prevent contact with the eyes. Avoid contact with the skin. Avoid breathing vapours. NOTE: When diluted at a rate of 1 in 40 or greater, the resulting mixture is no longer considered to be hazardous or poisonous and the use of protective equipment is at the user's discretion. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Goggles, face shield or safety glasses Gloves, neoprene or nitrile rubber or plastic Plastic apron, sleeves and boots. Respirators in accordance with AS/NZS 1715/1716. The use of a P1 dust mask (disposable) or with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended. 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 coloured low viscosity liquid.
Odour	Typical chlorine like odour
Boiling Point	No data
Solubility in Water	Miscible with water in all proportions.
Specific Gravity	1.15
pH	12.5-13.0 (1% solution)
Flash Point	None
Flammability	Not flammable.
Other Information	Very alkaline. Will react violently with acids, producing heat and generating chlorine gas. Oxidiser. Contact with combustible materials may cause fire. Will react violently with reducing agents. Readily absorbs carbon dioxide from the air. Will react with aluminium, tin and zinc, generating hydrogen, a flammable gas. May react with peroxides and metal salts. Contact with ammonium salts may generate ammonia gas.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Heat, flames, ignition sources and incompatibles.

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Incompatible Materials	Acids, oxidizing agents, ammonium salts, soft metals.
Hazardous Decomposition Products	Emits choking and corrosive fumes when heated to decomposition.
Possibility of hazardous reactions	Contact with aluminium, tin, zinc or galvanised iron can generate hydrogen, a flammable gas. Contact with ammonium compounds can generate ammonia, a poisonous gas. Will react vigorously or violently with acids, generating chlorine gas. May form toxic oxides of Chlorine if involved in a fire.

11. Toxicological Information

Toxicology Information	No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:
Acute Toxicity - Oral	LD 50 : Potassium hydroxide 365 mg/kg oral, rat Sodium hypochlorite 5800 mg/kg oral, mouse
Ingestion	Can be fatal. Corrosive. Causes burns to mouth and throat, nausea, vomiting, abdominal pains and diarrhoea (occasionally bloody). Can also cause swelling of the larynx and suffocation, perforation of stomach and intestines with constrictive scarring, heart failure and coma.
Inhalation	Will cause severe irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, coughing, loss of co-ordination, chest pains, respiratory paralysis and or failure.
Skin	Corrosive to skin - may cause skin burns, with effects including; Redness, blistering, localised pain, dermatitis and deep burns. Skin contact often does not cause immediate pain, thus care should be taken to avoid contamination of gloves and footwear. Repeated or prolonged contact may lead to irritant contact dermatitis.
Eye	Will cause severe burns to the eyes with effects including: Pain, tearing, corneal opacity and blindness. If prompt action is not taken, permanent eye damage will occur.
Chronic Effects	Prolonged or repeated skin contact will lead to necrosis (death) of the skin.

12. Ecological information

Ecotoxicity	This product is corrosive and poisonous in large concentrations, particularly in the aquatic environment.
Persistence and degradability	Readily biodegradable.
Mobility	Readily dilutes with water.
Information on Ecological Effects	This substance may cause long term adverse effects in the aquatic environment.
Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.

13. Disposal considerations

Waste Disposal	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.
Product Disposal	Avoid disposal to natural waters or the environment.

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.
U.N. Number	1791

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UN proper shipping name	HYPOCHLORITE SOLUTION
Transport hazard class(es)	8
Hazchem Code	2X
Packaging Method	3.8.8RT7,RT8
Packing Group	II
EPG Number	8A1
IERG Number	37

15. Regulatory information

Poisons Schedule	S6
Hazard Category	Corrosive
AICS (Australia)	All components listed.

16. Other Information

Signature of Preparer/Data Service	Technical Manager 03 9580 2499
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Technical Contact Numbers	Emergency Advice All Hours: Tel: 0409 949 298 Mon-Fri 8am - 6pm Poisons Information Centre: 13 11 26 - 24hrs
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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. ...End Of MSDS...
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