

Infosafe No™ VAREI	Issue Date : September 2015	ISSUED by HUNTER
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 Product Name **DE FAT ALKALI**

Classified as hazardous

ADDENDUMS

1. Identification

GHS Product Identifier DE FAT ALKALI
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 A heavy duty caustic alkali degreaser for the removal of grease, oils, fats and proteins.

2. Hazard Identification

GHS classification of the substance/mixture ED1 Eye Damage/Irritation: Category 1
 SC-1B Skin Corrosion/Irritation: Category 1B
Signal Word (s) Danger
Hazard Statement (s) H314 Causes severe skin burns and eye damage.
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 label before use.
 P104 Read Safety Data Sheet before use.
Pictogram (s) Corrosion



Precautionary statement – Prevention P264 Wash hands thoroughly after handling.
 P280 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): 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.
 P390 Absorb spillage to prevent material damage.
 P405 Store locked up.
Precautionary statement – Storage
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>
	Sodium hydroxide	1310-73-2	10-30 %
	Ingredients determined not to be hazardous		0-10 %

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Ingredients	Name	CAS	Proportion
	Water	7732-18-5	to 100%

4. First-aid measures

Inhalation	Remove from exposure. If aspirated into the lungs, obtain immediate medical attention.
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 and normal washroom facilities.
Advice to Doctor	Product is sodium hydroxide solution. If swallowed, may cause holes in stomach and intestines. Evacuation of stomach should not be attempted. Contact Poisons Information Centre.

5. Fire-fighting measures

Suitable extinguishing media	Use extinguishing media appropriate to surrounding fire.
Hazards from Combustion Products	Water vapour, carbon dioxide. Incomplete combustion may generate carbon monoxide.
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 a fire hazard. Not an explosion hazard.
Hazchem Code	2R

6. Accidental release measures

Spills & Disposal	Spillages are slippery. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Contain using sand or soil - prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labelled containers for disposal. Wash area down with excess water. Caution - heat may be evolved.
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7. Handling and storage

Conditions for safe storage, including any incompatibilities	Store in cool place in original container. Store away from oxidisers, 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.
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8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Sodium hydroxide			2		Peak limitation
Appropriate engineering controls	In very confined spaces have sufficient ventilation. Do not enter confined spaces where vapours may have accumulated. Keep containers closed when not in use.					
Personal Protective Equipment	Avoid contact with skin and eyes. Avoid breathing aerosols. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Face shield or safety glasses Gloves, rubber or plastic Plastic apron, sleeves and boots					

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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	Tan coloured slightly viscous liquid.
Odour	Nil
Boiling Point	approx. 100C
Solubility in Water	Miscible with water in all proportions.
Specific Gravity	1.26
pH	12.5 - 13.5
Flash Point	None
Flammability	Not flammable.

10. Stability and reactivity

Reactivity	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.
Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Incompatibles.
Incompatible Materials	Acids, oxidizing agents.
Hazardous Decomposition Products	Decomposes on heating emitting soot, smoke and decomposition products.

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	Sodium Hydroxide: LD50: 500mg/kg oral, rabbit
Ingestion	Very 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	Inhalation of mists of the solution will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.
Skin	Corrosive to skin - may cause skin burns. Skin contact often does not cause pain, thus care should be taken to avoid contamination of gloves and footwear. Repeated or prolonged contact may lead to irritant contact dermatitis.
Eye	Corrosive to eyes; contact can cause conjunctivitis, corneal burns and ulceration, which can result in permanent injury and possible loss of sight.
Chronic Effects	Long term, low level exposure can lead to irritation of skin, lungs, nose, throat and mouth.

12. Ecological information

Ecotoxicity	Harmful to aquatic organisms.
Persistence and degradability	Readily biodegradable
Mobility	Readily dilutes with water.

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Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.
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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.
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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	1719
UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S.
Transport hazard class(es)	8
Hazchem Code	2R
Packaging Method	3.8.8RT8
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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