

Infosafe No™ VAR47	Issue Date : November 2024	ISSUED by MILESTON
Product Name MILEBREAK		

Section 1 - Identification

Product Identifier	MILEBREAK
Company Name	Milestone Chemicals Pty. Ltd. (ABN 85115166357)
Address	115 Northern Road West Heidelberg VIC 3081 AUSTRALIA
Telephone/Fax Number	Tel: (03) 9450 4555 Fax: (03) 9457 5518
Emergency Phone Number	(03) 9450 4555 Mon-Fri 8am - 6pm
Recommended use of the chemical and restrictions on use	Alkaline detergent for use in commercial laundries. Use rate is dependent on degree of soiling.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Acute toxicity: Category 4 - Oral Skin corrosion/irritation: Category 1B
Signal Word	DANGER
Hazard Statement (s)	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.
Pictogram (s)	Exclamation mark, Corrosion



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(f) Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement – Response	P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep 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/doctor. P330 Rinse mouth. P363 Wash contaminated clothing before reuse. 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.
Precautionary Statement – General	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
	Potassium hydroxide	1310-58-3	10-30 %
	Sodium hydroxide	1310-73-2	10-30 %
	Ingredients determined not to be hazardous		0-10 %
	Water	7732-18-5	to 100%

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Section 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	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 potassium and sodium hydroxide solution. If swallowed, may cause holes in stomach and intestines. Evacuation of stomach should not be attempted. Contact Poisons Information Centre.

Section 5 - Firefighting Measures

Suitable Extinguishing Media	Use extinguishing media appropriate to surrounding fire.
Hazards from Combustion Products	Water vapour, carbon dioxide, oxides of nitrogen. 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

Section 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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Section 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 bonded area. Do not mix with other chemicals. Clean up all spills and splashes promptly; avoid secondary accidents.
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Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limit (OEL) Values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Potassium hydroxide			2		Peak limitation
	Sodium hydroxide			2		Peak limitation
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	Wear rubber or plastic gloves, waterproof footwear and eye protection. If risk of splashes into eyes, wear goggles or safety glasses with side shields. Always maintain a high level of personal hygiene when using cleaning					

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chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

Section 9 - Physical and Chemical Properties

Form	Liquid
Appearance	Clear odourless dense liquid.
Boiling Point	approx. 100C
Solubility in Water	Miscible with water in all proportions.
Specific Gravity	1.3
pH	12.5 - 13.5
Flash Point	None
Flammability	Not flammable.

Section 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	Heat, flames, ignition sources and incompatibles.
Incompatible Materials	Acids, oxidizing agents

Section 11 - Toxicological Information

Toxicology Information	No adverse health effects are expected, if the product is handled in accordance with this 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	Potassium Hydroxide: LD50: 365mg/kg oral, rabbit 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.

Section 12 - Ecological Information

Ecotoxicity	Harmful to aquatic organisms.
Persistence and Degradability	No data.
Mobility	Readily dilutes with water.
Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.

Section 13 - Disposal Considerations

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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.

Section 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.

ADG UN Number 1824

ADG Proper Shipping Name SODIUM HYDROXIDE SOLUTION

ADG Transport Hazard Class 8

ADG Packing Group II

Hazchem Code 2R

EPG Number 8A1

IERG Number 37

Section 15 - Regulatory Information

Poisons Schedule S6

Australia (AICS/AIC) All components listed.

Section 16 - Any Other Relevant Information

Date of Preparation 9/11/2024

Literature References 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

Signature of Preparer/Data Service Technical manager Tel: (03) 9450 4555

Technical Contact Numbers Emergency Advice All Hours:
Chief Chemist Tel: (03) 9450 4555 Mon-Fri 8am - 6pm
Poisons Information Centre: 13 11 26 - 24hrs

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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