Infosafe No™ VAR92	Issue Date :November 2024	ISSUED by MILESTON

Product Name **HYPAKLEEN**

Section 1 - Identification

Product Identifier	HYPAKLEEN
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	Concentrated chlorine based detergent for cleaning and sanitising.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Skin corrosion/irritation: Category 1B
Signal Word	DANGER
Hazard Statement (s)	AUH031 Contact with acids liberates toxic gas. H402 Harmful to aquatic life. H314 Causes severe skin burns and eye damage.
Pictogram (s)	Corrosion

Precautionary Statement – Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling. P280(f) 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): 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. P363 Wash contaminated clothing before reuse. P391 Collect spillage.
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.
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
	Sodium hydroxide	1310-73-2	1-10 %
	Sodium hypochlorite	7681-52-9	6.2%
	Ingredients determined not to be hazardous, including water.		to 100%

Section 4 - First Aid Measures

Inhalation	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. seek medical advice.
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, safety shower and normal washroom facilities.
Advice to Doctor	Product is a solution of sodium hydroxide with sodium hypochlorite and surfactants. Corrosive to living tissues. Inhalation may be followed by pulmonary oedema. Contact Poisons Information Centre.

Section 5 - Firefighting Measures

Suitable Extinguishing Media	Use dry chemical, carbon dioxide, foam or water fog, appropriate to surrounding fire.
Hazards from Combustion Products	Chlorine, water vapour, toxic fumes.
Special Protective Equipment for Firefighters	Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel.
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.

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.

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

Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limit (OEL) Values

Name	STEL		TWA		
	mg/m3	ppm	mg/m3	ppm	Footnote
Sodium hydroxide			2		Peak limitation

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. 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.

Section 9 - Physical and Chemical Properties

Form Liquid

Appearance Thick pale amber liquid

Odour Chlorine odour

Boiling Point No data

Solubility in Water Miscible with water in all proportions.

Specific Gravity 1.1

pH 12.5-13.5

Flash Point None

Flammability Non 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.

Section 10 - Stability and Reactivity

Chemical Stability Stable under normal use conditons.

Conditions to Avoid Heat, flames, ignition sources and incompatibles.

Incompatible Materials Acids, oxidizing agents, ammonium salts, soft metals.

Hazardous Decomposition Products 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.

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	LD 50 : Sodium hydroxide 500 mg/kg oral, rabbit 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	Toxic if inhaled. 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	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	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.

Section 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.

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	1791
ADG Proper Shipping Name	HYPOCHLORITE SOLUTION
ADG Transport Hazard Class	8
ADG Packing Group	III
Hazchem Code	2X
EPG Number	8A1
IERG Number	37

Section 15 - Regulatory Information

Poisons Schedule	S6

Australia (AICS/AIIC)	All components listed.

Section 16 - Any Other Relevant Information

Date of Preparation	11/11/2024
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. ...End Of SDS...