



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: POTASSIUM HYDROXIDE FLAKES

Company: Recochem Inc. ABN: 69 010 485 999
Address : 1809 Lytton Road, Lytton, Queensland 4178
Phone: (07) 3308 5200 Fax: (07) 3308 5201
Emergency Telephone Number: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: Caustic Potash,
Manufacturer's Product Code: 21414
Recommended Use: Soap making ingredient, Paint remover, liquid fertilizers and herbicides

SECTION 2 HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

Symbols: Xn - Harmful
C - Corrosive
Risk Phrases: R22 - Harmful if swallowed
R35 - Causes severe burns
Safety Phrases: S1/2 - Keep locked up and out of reach of children
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
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 (show label where possible)

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion (%)</i>
Potassium Hydroxide	1310-58-3	> 98

SECTION 4 FIRST AID MEASURES

FIRST AID TREATMENT

Swallowed: Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give plenty of water to drink. Seek immediate medical assistance.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek immediate medical assistance.

Skin: If spilt on large area of skin or hair, immediately drench with running water and remove contaminated clothing. Continue to wash skin and hair with plenty of water until advised to stop by the Poisons Information Centre or a doctor. For skin burns, cover with a clean, dry dressing until medical help is available. Seek immediate medical assistance.

Inhaled: Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing. Seek immediate medical advice.

First Aid facilities: Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

Advice to Doctor: Treat symptomatically as for strong alkalis.

Additional Information: For advice, contact a Poisons Information Centre (Phone eg Australia 13 11 26; New Zealand 0800 764 766) or a doctor at once.

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SECTION 5 FIRE FIGHTING MEASURES

Specific Hazards: Non-combustible material. Potassium Hydroxide and its solutions will not burn or support combustion. However, reaction of potassium hydroxide with a number of commonly encountered materials can generate sufficient heat to ignite nearby combustible materials.

Suitable Extinguishing Media: Not combustible, however, if material is involved in a fire use: water fog (or if unavailable fine water spray), foam, dry chemical powder, carbon dioxide.

Hazards from combustion products: Non combustible material.

Precautions for Fire Fighters and Special Protective Equipment: Wear full protective clothing and self-contained breathing apparatus.

Additional Information: Hazchem code 2W.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations.

Spills and Disposal: Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contact and breathing dust. Work upwind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Caution – heat may be evolved on contact with water. If contamination of sewers or waterways has occurred advise local emergency services.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling and Storage: Avoid skin and eye contact and breathing dust. Store in a cool, dry, well ventilated place out of direct sunlight. Store away from incompatible materials (section 10). Keep containers closed when not in use – check regularly for spills. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

Flammability: Non-combustible material.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: National Occupational Health & Safety Commission (NOHSC) Worksafe Australia has set an exposure standard 2mg/m³ TWA.

Biological Limit Values: No biological limit allocated.

Personal Protective Equipment:

Respiratory Protection: In instances where concentrations are likely to exceed the exposure limits, an approved organic vapour respirator (AS/NZS 1715 and 1716) should be worn.

Hand Protection: Use impervious gloves.

Eye Protection: Wear safety goggles.

Protective Clothing: Use chemical resistant glove/gauntlets, boots and overalls.

Engineering Controls: Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Always wash hands before eating, drinking or using the toilet.

SECTION 9 IDENTIFICATION

PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

Appearance	White Solid
Odour	None
pH (1% solution in water)	13 approx
Vapour Pressure (mmHg @ 20°C):	Not applicable
Vapour Density (air = 1)	Not applicable
Boiling Point (°C):	1320 approx
Freezing/Melting Point (°C):	360 approx
Solubility in Water	107g/100ml @ 15 deg C, 178g/100ml @ 100 deg C
Specific Gravity (g/ml @ 20°C):	2.04
Flashpoint (°C):	Not applicable
Flammability Limits (%):	Not applicable
Auto Ignition Temperature (°C):	Not applicable
Percent Volatiles	0

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SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal storage conditions. Incompatible (may react violently or explosively) with acids, aluminium, tin, zinc and chlorinated hydrocarbons. Will absorb moisture from the atmosphere. Reacts exothermally with water.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute:

Swallowed: Harmful if swallowed. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the mouth and gastrointestinal tract..

Eye: Extremely corrosive to eyes. Can penetrate deeply, causing irritation or severe burns. In severe cases, ulceration and permanent blindness may occur.

Skin: Extremely corrosive. Can cause severe burns with deep ulceration. Can penetrate into deeper layers of skin. Corrosion will continue until removed. Burns are not immediately painful; onset of pain may be minutes to hours after contact.

Inhaled: Breathing in dust may result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.

Chronic: No information for product.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.

Mobility: Miscible with water.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14 TRANSPORT INFORMATION

UN Number:	1813	Proper Shipping Name:	POTASSIUM HYDROXIDE, SOLID
Class:	8	Subsidiary Risk:	NA
Packing Group:	II	Hazchem Code:	2W
Special Precautions for User:	None		

SECTION 15 REGULATORY INFORMATION

Poisons Schedule : 6

AICS : Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010) : 37

SECTION 16 OTHER INFORMATION

Further Information may be obtained by contacting Recochem on (07) 3308 5200

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.
