1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	**Caustic Pot Ash**
Other Identifier:	Potassium hydroxide
Recommended Use:	Cleaning applications
Supplier: **ABN:**	Big Bubble 42 719 707 618
Street Address:	18 Elliott Street Midvale Western Australia
Telephone Number:	+61 08 9274 1992
Poisons Information Centre:	**131 126 Australia**

2. HAZARDS IDENTIFICATION

Road and Rail; Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; DANGEROUS GOODS.

Globally Harmonised System

Hazard Classification
Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Hazard Categories	Corrosive to metals – Category 1 Serious eye damage / irritation – Category 1 Skin corrosion / irritation – Category 1B Acute toxicity (Oral) – Category 4

Pictogram



Name of pictogram(s)	Corrosion, Exclamation mark
Signal Word	**Danger**

Hazard Statements	**H290** May be corrosive to metals. **H302** Harmful if swallowed. **H314** Causes severe skin burns and eye damage.
Precautionary Statement	
General	**P101** If medical advice is needed, have product or container label at hand. **P102** Keep out of reach from children. **P103** Read label before use.
Prevention	**P260** Do not breathe dusts or mists. **P270** Do not eat, drink, or smoke when using this product. **P280** Wear protective gloves/protective clothing/eye protection/face protection and suitable respirator.
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 victim 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 CENTRE or doctor. **P363** Wash contaminated clothing before reuse. **P390** Absorb spillage to prevent material-damage.
Storage	**P405** Store locked up. **P406** Store in a corrosive resistant container with a resistant inner liner.
Disposal	**P501** Dispose of contents/container in accordance with local / regional / national / international regulations.
Poisons Schedule:	Schedule 6

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Potassium hydroxide	1310-58-3	90 – 95%
Ingredients determined not to be hazardous		Balance %

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

Ingestion:	IF SWALLOWED: Rinse mouth, then drink plenty of water. Do NOT induce vomiting. Immediately call a Poison Centre or doctor/physician for advice. Never give anything by mouth to an unconscious person. Transport to hospital or doctor without delay!

Eye Contact:	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay!
Skin Contact:	IF ON SKIN (or hair): Remove and isolate contaminated clothing and shoes. Immediately flush skin and hair with running water for at least 15 minutes. Immediately call a Poison Centre or doctor/physician for advice. Wash contaminated clothing and shoes before reuse. Transport to hospital or doctor without delay!
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled substance; give 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. Transport to hospital or doctor with delay!
Medical attention and special treatment:	Treat symptomatically. Effects of exposure (Inhalation, ingestion, or skin contact) may be delayed.

5. FIRE FIGHTING MEASURES

General	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Dike fire-control water for later disposal; do not scatter the material. Do not get water inside containers.
Flammability Conditions	Non-combustible; substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
Suitable Extinguishing Media:	If material is involved in a fire, use dry chemical, Carbon dioxide (CO_2), foam or water spray for extinction – Do not use water jets.
Fire and Explosion Hazards	Risk of violent reaction or explosion! Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.
Hazardous combustion products:	Fire may produce irritating, corrosive, and/or toxic gases, including Potassium oxides.
Precautions for fire fighters and special protective equipment:	Contain runoff from fire control or dilution water – Runoff may be corrosive and/or toxic and cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing – It may provide little or no thermal protection. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Auto Ignition temperature: No Data Available

Decomposition Temperature:	No Data Available
Flammability:	No Data Available
Flash Point:	No Data Available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation – Ventilate enclosed areas before entering. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch or walk through spilled material. Clean up all spills immediately! Avoid generating dust. Do not breathe dusts or mists and prevent contact with eyes, skin, and clothing.
Protective equipment:	Wear personal protective equipment as required (see SECTION 8).
Emergency procedures:	Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground.
Environmental Precautions:	Spillages and decontamination runoff should be prevented from entering drains and watercourses. If contamination of sewers or waterways has occurred, advise local emergency services.
Methods and materials for Containment and clean up:	Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements, or confined areas. Collect recoverable product into labelled containers for recycling. Sweep or vacuum up but avoid generating dust. Collect and seal in properly labelled containers for disposal (see SECTION 13). Neutralise/decontaminate residue. Wash away remainder with plenty of water.

7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:	Keep in the original container or corrosive resistant container/container with a resistant inner liner. Store in a cool, dry, and well-ventilated place, in an area having corrosion-resistant concrete floor. Keep container tightly closed – Check regularly for spills. Avoid exposure to moisture/humidity. Avoid exposure to air. Keep away from heat and sources of ignition – No smoking. Keep away from food, feedstuffs, and incompatible materials (see SECTION 10). Store locked up.
Precautions for safe handling:	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid generating dust. Do not breathe dusts or mists and prevent contact with eyes, skin, and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection (see SECTION 8). CORROSIVE TO METALS: Avoid contact with incompatible materials. Keep away from heat and sources of ignition

– No smoking. WARNING: To avoid violent reaction, ALWAYS add material to water and NEVER water to material!

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	Safe Work Australia Exposure Standard: TWA = 2 mg/m^3 (Peak limitation).
Biological Monitoring	No data available.
Engineering Controls	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Personal Protective Equipment	
Eye and Face	Wear appropriate eye protection to prevent eye contact. Recommended: Chemical goggles (with a secondary protection face-shield).
Skin	Wear protective gloves. Recommended: Impervious gloves, e.g. rubber, nitrile, neoprene, PVC. Wear appropriate personal protective clothing to prevent skin contact. Recommended: Overalls, safety shoes.
Respiratory	Wear respiratory protection in case of inadequate ventilation or if an inhalation risk exists. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Colour:	Colourless, white, off-white or slightly yellow
Odour:	Odourless
pH:	13.5 (0.1 M solution)
Solubility:	112 g/100 mL water – Soluble in ethanol at 20˚C
Auto Ignition temperature:	No Data Available
Decomposition Temperature:	No Data Available
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Flash Point:	No Data Available
Boiling Point:	No Data Available

Melting/Freezing Point:	No Data Available
Odour Threshold:	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Relative Density:	No Data Available
Upper Flammibility Limit	No Data Available
Lower Flammability Limit:	No Data Available
Explosive limits:	No Data Available
Vapour density:	No Data Available
Vapour pressure;	No Data Available
Viscosity:	No Data Available
Biopersistence:	No Data Available
Crystallinity:	No Data Available
Dustiness:	No Data Available
Particle size:	No Data Available
Redox potential:	No Data Available
Release of invisible flammable vapours and gases	No Data Available
Saturated Vapour Concentration	No Data Available

10. STABILITY AND REACTIVITY

Chemical stability:	This material is stable under recommended storage at normal temperature and pressure.
Conditions to avoid:	Avoid dust formation. Avoid exposure to moisture/humidity. Avoid exposure to air. Avoid contact with organic materials. Keep away from heat and sources of ignition.
Incompatible materials:	Incompatible/reactive with strong acids, water, metals (when wet), ammonium salts, halogenated hydrocarbons, maleic anhydride.
Hazardous decomposition products:	Fire/decomposition may produce irritating, corrosive, and/or toxic gases, including Potassium oxides.
Hazardous reactions or Polymerisation	Will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Corrosive to the gastrointestinal tract, causing abdominal pain, burning sensation, perforation of upper and lower gastrointestinal tissues, shock, or collapse.
Eye contact:	Corrosive to eyes, causing redness, pain, blurred vision, severe deep burns; Can result in permenant injury, blindness.
Skin contact:	Corrosive to skin, causing redness, pain, blisters, liquefaction of skin and damage to underlying tissues, deep and painful wounds.
Inhalation:	Corrosive to the respiratory tract, causing burning sensation, cough, sore throat, laboured breathing, shortness of breath, possible pulmonary oedema. Symptoms may be delayed.
Acute Toxicity:	LD50, rat (Oral): 333 mg/kg bw [Supplier SDS]
Carcinogenity:	Not expected to be carcinogenic.
Mutagenicity:	Not expected to be mutagenic.
Reproductive:	Not expected to impair fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	LC50, fish (Gambusia affinis): 80 mg/L (96 h) [Supplier's SDS] EC50, crustacea (Daphnia magna): 660 mg/L (48 h) [Supplier's SDS] EC50, algae (Nitscheria linearis): 1,337 mg/L (120 h) [Supplier's SDS]
Persistence and degradability:	This material is believed to exist in the dissociated state in the environment. Log Kow: -3.88
Bioaccumulative potential:	Not expected to bioaccumulate in organisms.
Mobility:	Not expected to be absorbed in soil due to its dissociation properties and high-water solubility.

13. DISPOSAL CONSIDERATIONS

Disposal methods:	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Or refilled at Big Bubble in Midvale.

14. TRANSPORT INFORMATION

Road and Rail Transport
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; DANGEROUS GOODS.

UN number:	1813
Proper shipping name;	POTASSIUM HYDROXIDE, SOLID
DG Class	8
Packing group	II
Hazchem	2W

Marine Transport
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN number:	1813
Proper shipping name;	POTASSIUM HYDROXIDE, SOLID
DG Class	8
Packing group	II
Hazchem	2W

Air Transport
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN number:	1813
Proper shipping name;	POTASSIUM HYDROXIDE, SOLID
DG Class	8
Packing group	II
Hazchem	2W

15. REGULATORY INFORMATION

Poisons Schedule: Schedule 6

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

If swallowed, do NOT induce vomiting.

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

16. OTHER INFORMATION

Revision date: 07/10/2026
Reason for issue: Update SDS

This material safety data sheet has been prepared by Midland Chemicals.

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.