

MATERIAL SAFETY DATA SHEET

QUIK DRAIN UNBLOCKER (CAUSTIC)

QKCAUST500, QKCAUST1KG, QKCAUST2KG

Issue Date: 23 May 2014

Page 1 of 5



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER	
Product Name	Quik Drain Unblocker (Caustic Soda)
Use	Effective and fast acting to un-block, clean and deodorise drains, pipes, sinks and other plumbing.
Manufactured By	Chemical Packers Ltd 136C Cryers Road East Tamaki, Auckland 09 274 4436
Emergency Advice	NZ NATIONAL POISONS CENTRE: 0800 764 766 AU NATIONAL POISONS CENTRE: 13 11 26

2. HAZARDS IDENTIFICATION	
HAZARDOUS ACCORDING TO THE CRITERIA OF ERMA AUSTRALIA	
Hazard Classification	6.1D Substances that present a low acute toxicity risk 8.1A Substances that are corrosive to metal 8.2B Substances that are corrosive to skin 8.3A Substances that are corrosive to eyes 9.1D Substances that are slightly harmful to the aquatic environment 9.3C Substances that are slightly harmful to terrestrial vertebrates
Risk Statements	Causes skin burns and eye damage. Corrosive to metals Harmful to terrestrial vertebrates
Precaution Phrases	Keep out of reach of children Read label, and MSDS, before use Do not mix with acid products Keep product in original container and tightly closed Store locked up, away from food stuffs Do not smoke, eat or drink near this product Do not inhale vapour Avoid release to the environment Absorb spillage to prevent material damage Wear protective clothing, gloves and eye protection (<i>refer to section 7</i>) Wash hands thoroughly after using Store in a well-ventilated place. Dispose of container in a safe manner. Recycle where possible.

3. COMPOSITION/INFORMATION ON INGREDIENTS		
Substance Name	Proportion	CAS No.
SODIUM HYDROXIDE	>60%	1310-73-2

MATERIAL SAFETY DATA SHEET

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QKCAUST500, QKCAUST1KG, QKCAUST2KG

Issue Date: 23 May 2014

Page 2 of 5



4. FIRST AID MEASURES	
If Inhaled	Move to fresh air and keep warm. Seek medical advice if breathing is difficult.
If Swallowed	Do not induce vomiting. Rinse mouth and seek medical advice.
If in Eyes	Flush out immediately with water for several minutes and seek medical advice.
If on Skin	Remove contaminated clothing and wash skin thoroughly with soap and running water. For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering occurs seek medical advice. Wash contaminated clothing before reuse
First Aid Facilities	Eye wash fountain, safety shower and normal washroom facilities.
Advice to Doctor	Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.
In case of poisoning, contact Poisons Information Centre 0800 764 766 (NZ), 13 11 26 (AU)	

5. FIRE-FIGHTING MEASURES	
Fire/Explosion Hazard	<p>FIRE/EXPLOSION HAZARD: Not combustible. Fire fighters to wear suitable protective clothing.</p> <p>EXTINGUISHING MEDIA: Not combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).</p> <p>UNUSUAL FIRE AND EXPLOSION HAZARDS: If tanks, drums or containers of this material are heated, they may rupture and project corrosive liquids over a wide area.</p>
Hazchem Code:	2X
Flammability	Not flammable or combustible. If involved in a fire it may generate noxious and corrosive fumes.

6. ACCIDENTAL RELEASE MEASURES	
<p>Clear the area of all unprotected and non-essential personnel. Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labeled containers or drums for disposal. After product is cleaned up wash the contaminated area with water, preventing run off in to drains. Promptly dispose of recovered material in accordance with all regulations. Recycle containers wherever possible. Wash damaged containers with water before disposal. Advise laundry of nature of contamination when sending contaminated clothing to the laundry. Caution: Heat may be evolved on contact with water. If contamination of sewers or waterways has occurred, advise local emergency services.</p>	

MATERIAL SAFETY DATA SHEET
QUIK DRAIN UNBLOCKER (CAUSTIC)
QKCAUST500, QKCAUST1KG, QKCAUST2KG



Issue Date: 23 May 2014

Page 3 of 5

7. HANDLING AND STORAGE

Observe good personal hygiene practices and recommended procedures. Avoid skin and eye contact and breathing in dust. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/ eye protection. Keep only in original container. Packaging must comply with requirements of Hazardous Substances (Packaging) Regulations 2001. Store in original packaging as approved by manufacturer.
Suitable: Mild steel drums, polyethylene bags. **Unsuitable:** Aluminum, tin, zinc and alloys (brasses), chrome. Keep container tightly closed. May corrode metallic surfaces. Use corrosion-resistant tools.
 Do not eat, drink or smoke when using this product. Wash hands and exposed skin thoroughly after handling. Avoid release to the environment. NEVER pour water into this substance; when dissolving or diluting always add it slowly to the water.
Storage advice Store in a cool, dry, well-ventilated area. Store in an area having a corrosion resistant concrete floor. Store locked up. Keep containers tightly closed when not in use. Ensure containers are airtight. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Do not store or transport with foodstuffs. Protect from moisture and water, as product is highly hygroscopic. Store away from incompatible materials including acids, metals, explosives, inorganic peroxides and ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards	No exposure standards are available for this product, however, the following exposure standards have been assigned by [NIHSC] to the following components of the product: SODIUM HYDROXIDE NZ WES [TWA] 2 mg/m3 Peak
Engineering Controls	Corrosive solid. 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 Protection Equipment	GLOVES: PVC or rubber. EYES: Chemical goggles or face shield to protect eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White, free flowing granules or pearls
Boiling Point	None
Specific Gravity	None
Flash Point	None
Flammability Limits	None
Solubility in Water	Soluble
pH	13%

MATERIAL SAFETY DATA SHEET

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Issue Date: 23 May 2014

Page 4 of 5



11. TOXICOLOGICAL 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:

Swallowed	Will cause burns to the mouth, mucous membranes, throat, esophagus and stomach. If sufficient quantities are ingested (swallowed) death may occur.
Eye	Will cause burns to the eyes with effects including: Pain, tearing, conjunctivitis and if duration of exposure is long enough, blindness will occur.
Skin	Will cause irritation to the skin, with effects including; Redness, itchiness, and possible dermatitis.
Inhaled	Will cause 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.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of use.
Hazardous Decomposition products	Emits choking and corrosive fumes when heated to decomposition
Hazardous Polymerization	Will Not occur
Incompatibilities	Strong acids and reducing agents
Conditions to avoid	Heat, flames, ignition sources and incompatibles
Chronic	Prolonged or repeated skin contact will lead to necrosis (death) of the skin.
Toxicological Data	There is no other toxicological information available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity	This substance may cause long-term adverse effects in the aquatic environment. Mainly due to pH shift Harmful to terrestrial vertebrates Do not release to the environment. Collect spillage
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13. DISPOSAL CONSIDERATION

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.

MATERIAL SAFETY DATA SHEET

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Issue Date: 23 May 2014

Page 5 of 5



14. TRANSPORT INFORMATION	
UN Number	1823
Proper Shipping Name	SODIUM HYDROXIDE SOLID
Dangerous Goods Class	8
Subsidiary Risk	None Allocated
Packing Group	II
Hazchem Code	2X

15. REGULATORY INFORMATION
ERMA Approval No.: HSR001547 Sodium hydroxide Refer to the Group Standard document for further information.

16. OTHER INFORMATION	
Date of Preparation	
Issue Date	
Key Legend Information	<p>NOHSC - National Occupational Health & Safety Commission (Formerly Worksafe)[Aust] TWA - Time Weighted Average [Int] STEL - Short Term Exposure Limit [Int] EPA - Environmental Protection Agency [Int] NIOSH - National Institute for Occupational Safety and Health [US] AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ] EU - European Union [Aust/NZ] = Australian New Zealand [Int] = International [US] = United States of America</p>
Disclaimer	This MSDS summarizes our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.
Principal References	Information supplied by manufacturer, reference sources including the public domain.

END OF MSDS