CCQ

1: Identification of the Material and Supplier

Product Identifier CCQ

Other Means of Identification CCQ2X5L.CTN (2x5L)

Recommended Use Ceramic, concrete and quarry tile cleaner

Supplier

Organisation	Location	Contact Information
Chemform ABN: 50 008 905 119	7 Kirke St Balcatta WA 6021 Australia	Phone: 1300 415 278 Fax: (08) 9344 4360 E-Mail: admin@chemform.com.au Web: www.chemform.com.au

Emergency Phone Number Poisons Information Centre (Australia) 13 11 26

2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia and classified as a dangerous good according to Australian Dangerous Goods Code.

GHS Classification
Skin corrosion (category 1)
Eye damage (category 1)
Acute toxicity (category 4)

Signal Word Danger

Hazard Statement(s)
Causes severe skin burns and eye damage
Harmful if swallowed

Precautionary Statement(s) Wear eye protection and protective gloves. Do not breathe mists. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Rinse mouth. Do Not induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE or doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of container in accordance with local regulations.

3: Composition/Information on Ingredients

Ingredient	CAS Number	Proportion (% w/w)
Potassium Hydroxide	1310-58-3	10-30%
Non-hazardous ingredients	-	to 100%

4: First Aid Measures

General	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.
Ingestion	If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water, first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention urgently.
Eyes	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 (Australia 13 11 26) or by a doctor, or for at least 15 minutes.
Skin	Potassium Hydroxide feels "soapy and slippery" on the skin. Immediately flush skin/hair with running water. Remove contaminated clothing. Seek medical attention immediately. Whilst potassium hydroxide is highly corrosive to the skin, it generally does not cause pain until major damage has been done – act quickly!
Inhalation	If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.
Symptoms Caused by Exposure	Please refer to Section 11- Toxicological Information.
Medical Attention and Special Treatment	Treat symptomatically as for strong alkali and highly corrosive materials. Can liquefy tissue by denaturation of proteins and saponification of fats. Alkalis can continue to penetrate very deeply into tissue. Can cause corneal burn. Mucosal damage may contraindicate the use of gastric lavage.

5: Fire Fighting Measures

Suitable Extinguishing Equipment	Material itself is not combustible. Extinguish fire using agent suitable for type of surrounding fire. Use foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources.
Specific Hazards Arising from the Chemical	The product is a strong alkali and will react with aluminium to produce hydrogen, a flammable gas.
Special Protective Equipment and Precautions for Fire Fighters	Use water spray to keep fire-exposed containers cool. The following protective equipment for fire fighters is recommended when this material is present in the area of a fire. Liquid-tight chemical protective suit with breathing apparatus.
Hazchem Code	2R

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6: Accidental Release Measures

Personal Precautions	Surfaces may be slippery. Increase ventilation. Wear PPE in accordance with section 8. Stop leak if safe to do so. Isolate the spill area. Keep unnecessary personnel away. Clean up immediately to avoid accidents.
Environmental Precautions	Do NOT allow spilled concentrated product to enter drains, sewers, creeks, dams, rivers or waterways.

Spills and Disposal

Small Spills	**Large Spills**
Mop or wipe up with a rag or paper towel and dispose of in rubbish. Wash down surface with water.	Contain, collect and recycle spilt product if possible otherwise absorb spill with material such as soil, sand, attapulgite, vermiculite. Collect and seal in properly labelled, chemical resistant containers. Wash area with water. Seek disposal options by a licensed waste contractor.

7: Handling and Storage

Precautions for Safe Handling	Wash hands after use. Avoid direct contact with product. Use PPE as described in section 8. ALWAYS add product to water while stirring to prevent release of heat.
Conditions for Safe Storage	Always replace lid on container after use. Store in a cool dry place out of direct sunlight and out of reach of children.

8: Exposure Controls – Personal Protection

National Exposure Standards	TWA of 2mg/m3 as Potassium Hydroxide
Engineering Controls	Avoid generation and inhalation of mists and aerosols
Individual Protection	
Eyes/Face	Chemical goggles.
Hands	Rubber or nitrile gloves.
Skin	Long sleeved chemical impervious overalls and foot wear.
Respiratory	If mists are generated use a respirator.

9: Physical and Chemical Properties

Appearance	Pale amber liquid
Odour	Nil
pH	12.0 – 13.5 (1% solution)
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Flash Point	Not applicable
Flammability Limits	Not flammable
Boiling Point	>100°C
Melting Point	<0°C
Specific Gravity	1.2 – 1.3
Solubility	Soluble in water

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10: Stability and Reactivity

Chemical Stability	The product is stable under normal conditions.
Possibility of Hazardous Reaction	Reacts violently with acids liberating excessive heat. Also reacts violently with a range of materials such as many chlorinated compounds, oxidizers, nitro compounds, many organic compounds. Reactions with ammonia compounds will release toxic ammonia and reactions with amines, will produce toxic amines, many of which are volatile.
Conditions to Avoid	Avoid extreme heat and high temperatures.
Incompatible Materials	The product will rapidly dissolve aluminium liberating highly flammable hydrogen gas.
Hazardous Decomposition Products	None known.

11: Toxicological Information

Ingestion	Highly corrosive. Produces burning in the mouth and oesophagus, nausea, vomiting, abdominal pain, oedema (swelling of the larynx) with subsequent suffocation, coma and cardiovascular collapse.
Eye	Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur.
Skin	Highly corrosive to skin. Irritant dermatitis may result from working with this material. Produces burns, deep ulceration and gelatinous necrotic areas at the site of contact. Skin contact can result in little or no pain thus contamination of gloves or boots can be very damaging.
Inhalation	Not considered a risk of normal use. Inhalation of sprays or mists will result in respiratory irritation and possible harmful corrosive effects including lesions of nasal septum, pulmonary oedema, pneumonitis and emphysema.

12: Ecological Information

Ecotoxicity	*Carrasius auratus* (goldfish) are killed at 24h 466 mg/l (Potassium Hydroxide)
Persistence/Degradability	Does not persist in the environment and degrades to potassium salts. The surfactant in this product is classified as readily biodegradable according to OECD test guideline 301.
Bio-accumulative Potential	Limited potential to bio-accumulate.
Mobility in Soil	Not mobile in soil.

13: Disposal Considerations

Disposal Methods	The most effective way to dispose of product is to use as was originally intended, in accordance with label instructions. If disposal of large volumes of unwanted or excess product is required, either supply to product to someone who can use it in accordance with label instructions or contact your local council and/or state environmental authority for advice. Dispose of in accordance with Local, State and Federal regulations. Drain containers thoroughly and rinse empty containers with water and use the solution in accordance with label instructions. Recycle packaging at an approved collection point or recycling facility.

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14: Transport Information

UN Number	1814
Shipping Name	POTASSIUM HYDROXIDE SOLUTION
Class	8
Subsidiary Risk	None allocated
Packing Group	II
Special Precautions For Users	Ensure all containers are clearly labelled. Keep containers securely sealed and protected against physical damage
Hazchem Code	2R
IERG (HB76)	37
AERG Number	154

15: Regulatory Information

Packaging & Labelling	This product is a Scheduled Poison (S6) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

16: Other Information

Prepared By	Brett Amos
Date of Previous Issue	October 2018
Changes Made	Complete GHS review.
References	Australian Dangerous Goods Code. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice July 2020. Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP). Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (Rev.7 2017)
Contact Person/Point	Australia 24 HOUR EMERGENCY CONTACT Poisons Information Centre 13 11 26
Legal Disclaimer	The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

END OF SAFETY DATA SHEET

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