



## Tile & Grout Cleaner #15

### 1: Identification of the material and supplier

<b>Product Identifier</b>	Tile & Grout Cleaner #15		
<b>Other Means of Identification</b>	WSTGC2X5L.CTN (2x5L)		
<b>Recommended Use</b>	Ceramic, concrete and quarry tile cleaner		
<b>Supplier</b>	<b>Organisation</b>	<b>Location</b>	<b>Contact Information</b>
	Wirrpanda Supplies Pty Ltd	15 Howe Street	Phone: 131 808
	ABN: 50 672 225 044	Osborne Park WA 6017	E-Mail: sales@wirrpandasupplies.com.au
			Web: www.wirrpandasupplies.com.au
<b>Emergency Phone Number</b>	Poisons Information Centre (Australia) 13 11 26		

### 2: Hazardous 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.

<b>GHS Classification</b>	Skin corrosion category 1 Eye damage category 1 Acute toxicity category 4
<b>Signal Word</b>	Danger
<b>Hazardous Statement(s)</b>	Causes severe skin burns and eye damage. Harmful if swallowed.



<b>Precautionary Statement(s)</b>	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.
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## 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

<b>General</b>	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.
<b>Ingestion</b>	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.
<b>Eyes</b>	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.
<b>Skin</b>	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!
<b>Inhalation</b>	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.
<b>Symptoms Caused by Exposure</b>	Please refer to Section 11- Toxicological Information.
<b>Medical Attention and Special Treatment</b>	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

## 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

Mop or wipe up with a rag or paper towel and dispose of in rubbish. Wash down surface with water.

#### Large Spills

Contain, collect and recycle spilt product if possible otherwise absorb spill with material such as soil, sand, attapulgate, 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

<b>National Exposure Standards</b>	TWA of 2mg/m <sup>3</sup> as Potassium Hydroxide
<b>Engineering Controls</b>	Avoid generation and inhalation of mists and aerosols
<b>Personal Protection</b>	
<b>Eyes/Face</b>	Chemical goggles
<b>Hands</b>	Rubber or nitrile gloves
<b>Skin</b>	Long sleeved chemical impervious overalls and foot wear
<b>Respiratory</b>	If mists are generated use a respirator

## 9: Physical and Chemical Properties

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

## 10: Stability and Reactivity

<b>Chemical Stability</b>	The product is stable under normal conditions.
<b>Possibility of Hazardous Reaction</b>	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.
<b>Conditions to Avoid</b>	Avoid extreme heat and high temperatures.
<b>Incompatible Materials</b>	The product will rapidly dissolve aluminium liberating highly flammable hydrogen gas.
<b>Hazardous Decomposition Products</b>	None known.

## 11: Toxicological Information

<b>Ingestion</b>	Highly corrosive. Low systemic toxicity. Produces burning in the mouth and oesophagus,
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nausea, vomiting, abdominal pain, oedema (swelling of the larynx) with subsequent suffocation, coma and cardiovascular collapse.

<b>Eye</b>	Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur.
<b>Skin</b>	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.
<b>Inhalation</b>	Not considered a feature 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

<b>Ecotoxicity</b>	<i>Carrasius auratus</i> (goldfish) are killed at 24h 466 mg/l (Potassium Hydroxide).
<b>Persistence/Degradability</b>	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 guidelines 301.
<b>Bio-accumulative Potential</b>	Limited potential to bio-accumulate.
<b>Mobility in Soil</b>	Not mobile in soil.

## 13: Disposal Considerations

<b>Disposal Methods</b>	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

<b>UN Number</b>	1814
<b>Shipping Name</b>	POTASSIUM HYDROXIDE SOLUTION

<b>Class</b>	8
<b>Subsidiary Risk</b>	None allocated
<b>Packing Group</b>	II
<b>Special Precautions For Users</b>	Ensure containers are clearly labelled. Keep containers securely sealed and protected against physical damage.
<b>Hazchem Code</b>	2R
<b>IERG Number (HB76)</b>	37
<b>AERG Number</b>	154

## 15: Regulatory Information

<b>Packaging &amp; Labelling</b>	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.
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## 16: Other Information

<b>Prepared By</b>	Brett Amos
<b>Date of Previous Issue</b>	October 2018
<b>Changes Made</b>	Complete GHS review.
<b>References</b>	<p>Australian Dangerous Goods Code</p> <p>Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011.</p> <p>Standard for the Uniform Scheduling of Medicines &amp; Poisons (SUSMP)</p> <p>Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (Rev.7 2017)</p>
<b>Contact Person/Point</b>	<p>Australia 24 HOUR EMERGENCY CONTACT</p> <p>Poisons Information Centre 13 11 26</p>
<b>Legal Disclaimer</b>	<p>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.</p>

**END OF SAFETY DATA SHEET**