



Date of Issue: 25th August 2016

# Potassium Plus

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

<b>Product Name</b>	Potassium Plus
<b>Code</b>	50713
<b>Product Use</b>	Liquid caustic tartrate remover based on potassium salts
<b>Company Name</b>	Dominant (Australia) Pty Ltd
<b>Address</b>	12 Coglin Street, Brompton SA 5007, Australia
<b>Telephone</b>	1300 789 852 or +61 (8) 8245 6900
<b>Facsimile</b>	+ 61 (8) 8340 1626
<b>Emergency Phone</b>	13 11 26

## 2. HAZARDS IDENTIFICATION

<b>GHS Classification</b>	<b>Skin Corrosion 1A</b> <b>Metal Corrosion 1</b> <b>Acute Toxicity 4</b>
<b>Signal Word</b>	<b>DANGER</b>
<b>Hazard Statements</b>	<b>Causes severe skin burns and eye damage</b> <b>May be corrosive to metals</b> <b>Harmful if swallowed</b>
<b>Precautionary Statements</b>	Avoid breathing mists. Ensure adequate ventilation when using. Keep out of reach of children. Store locked up. Wash skin thoroughly after handling. Wear protective gloves, protective clothing and eye /face protection. Do not eat, drink or smoke when using this product. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If problem persists, seek urgent medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor. Store locked up. Dispose of contents/container in accordance with state regulations

### Pictograms



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**Product Name: Potassium Plus****3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	Name	CAS	Proportion
	Potassium Hydroxide	1310-58-3	30 - 60%
	Sodium hydroxide	1310-73-2	10 – 30%
	Other ingredients	non hazardous	balance

**4. FIRST AID MEASURES**

<b>Ingestion</b>	If swallowed do NOT induce vomiting. Immediately wash out mouth with water. Seek urgent medical attention.
<b>Eye</b>	If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  Immediately call a POISON CENTRE or doctor.
<b>Skin</b>	If skin contact occurs, Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Seek urgent medical attention.
<b>Inhaled</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If problem persists, seek urgent medical attention.
<b>First Aid Facilities</b>	An eye wash and general washing facility should be available adjacent to the work area.
<b>Advice to Doctor</b>	Treat symptomatically. For advice contact a Poisons Information Centre. (Phone Australia 13 11 26; New Zealand 0800 764 766)

**5. FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	Use appropriate extinguishing media to suit surrounding area
<b>Hazards from Combustion</b>	Material does not burn.
<b>Precautions for Fire Fighters</b>	Corrosive liquid. Wear chemical splash suit and SCBA. Contact with metals may evolve flammable hydrogen gas.
<b>Hazchem</b>	2R

**6. ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	Keep unauthorised people away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Clean Up</b>	Spills will be slippery so treat promptly. For minor spills mop up and rinse with water. For larger spills absorb material on mineral absorbent material or absorbent pads. Collect and put into plastic bags or containers and dispose of through waste disposal contractor. Rinse area with water.

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**Product Name: Potassium Plus****7. HANDLING AND STORAGE**

<b>Handling</b>	Wear appropriate protective clothing to prevent skin and eye contact. Use in well ventilated area. Keep containers closed when not in use. Maintain a high standard of personal hygiene. Wash hands immediately after using product.
<b>Storage</b>	Corrosive product. Store in a cool, dry, well ventilated place out of direct sunlight. Keep only in original containers. Store in closed containers. Store away from incompatible materials such as acids, aluminium or zinc. Store locked up.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Exposure Standards</b>	None listed for product. However exposure standards for sodium hydroxide and potassium hydroxide are:  TWA 2mg/m <sup>3</sup> Peak limitation.
<b>Engineering Controls</b>	Ensure ventilation is adequate to maintain air concentrations below exposure standards. Avoid generating and breathing in mist. Use product in tanks or CIP systems. Do not use through high pressure spray units.
<b>Personal Protective Equipment</b>	Wear overalls, chemical goggles or face mask, safety shoes or boots and impervious gloves.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Clear nearly colourless liquid with little odour
<b>Solubility in Water</b>	Soluble
<b>pH</b>	14
<b>Flash Point</b>	Not available
<b>Melting Point</b>	~5°C
<b>Boiling Point</b>	~100°C
<b>Specific Gravity</b>	1.38

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Will absorb moisture and carbon dioxide from atmosphere. Keep drums sealed.
<b>Hazardous Polymerisation Conditions to Avoid</b>	Will not occur  May generate heat when added to water. Add slowly to cold water. Do not add to hot water as violent boiling and spitting may occur.
<b>Incompatible Materials</b>	Reacts violently with acids. Attacks aluminium, tin and zinc.

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**Product Name: Potassium Plus****11. TOXICOLOGICAL INFORMATION**

<b>Ingestion</b>	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and bleeding. Can cause chemical burns to the mouth, oesophagus and gastrointestinal tract.
<b>Eye</b>	Corrosive to eyes. Will cause severe irritation and chemical burns. Contamination of eyes can result in permanent injury or blindness.
<b>Skin</b>	Corrosive to skin – may cause skin burns. Contact with skin will result in severe irritation.
<b>Inhalation</b>	Mist generated may cause severe irritation to the mucous membranes and upper respiratory tract.
<b>Chronic Effects</b>	Prolonged or repeated exposure to this product will result in skin irritation and possibly result in dermatitis.
<b>Toxicological Data</b>	None available for Potassium Plus. However for Sodium hydroxide Oral LD Lo : 500mg/kg (rabbit) Skin 500mg/24H: Severe (rabbit)  Potassium Hydroxide Oral LD 50: 365mg/kg (rat) Skin 50mg/24H: Severe (human)  (Reference: Dangerous Properties of Industrial Materials 7th Edition)

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	No information available.  Do not allow product to come in contact with storm / surface waters.
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**13. DISPOSAL CONSIDERATIONS**

Refer to Waste Management Authority. Dispose of material through licensed waste contractor. Assure conformity with all applicable regulations.

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**14. TRANSPORT INFORMATION**

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<b>UN No.</b>	1719
<b>Proper Shipping Name</b>	CAUSTIC ALKALI LIQUID N.O.S. (Contains Sodium Hydroxide)
<b>Hazchem Code</b>	2R
<b>Class</b>	8 Corrosive
<b>Packing Group</b>	II

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**15. REGULATORY INFORMATION**

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<b>Classification</b>	Poisons Schedule: S6 according to the Poisons Standard March 2016  Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
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**16. OTHER INFORMATION**

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<b>Contact Point</b>	Dominant Australia. Phone 08 8245 6900 or 1300 789 852 24 hour medical emergency 13 11 26
<b>Date of preparation</b>	25 <sup>th</sup> August 2016