

# Material Safety Data Sheet

Infosafe No™ VAR0B	Issue Date : December 2011	ISSUED by CTSI
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Product Name **TOUCHFREE PREMIX HIGH pH**

Classified as hazardous according to criteria of NOHSC

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	TOUCHFREE PREMIX HIGH pH
<b>Company Name</b>	Carwash Technical Services International Pty Ltd
<b>Address</b>	16 Beni Street Dubbo NSW 2830 Australia
<b>Telephone/Fax Number</b>	Tel: (02) 6885 4848
<b>Recommended Use</b>	Alkaline detergent for touchless vehicle wash systems.

## 2. HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	Classified as hazardous according to criteria of NOHSC HAZARDOUS SUBSTANCE. DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
<b>Risk Phrase(s)</b>	Classified as hazardous according to criteria of NOHSC R34 Causes burns.
<b>Safety Phrase(s)</b>	S1/2 Keep locked up and out of reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell seek medical advice immediately

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical Characterization</b>	Liquid		
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Other ingredients classified not hazardous at the concentrations used according to the criteria of ASCC.		Up to 100%
	Potassium hydroxide	1310-58-3	1-<5 %

## 4. FIRST AID MEASURES

<b>First Aid Measures</b>	If poisoning occurs contact a doctor or Poisons Information Centre Phone 131126
<b>Inhalation</b>	Remove from contaminated area immediately to fresh air; avoid becoming a casualty. If breathing is difficult, give oxygen. If not breathing apply artificial resuscitation. Seek medical advice.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth out with water then give large quantities of water to drink. Do not give anything if victim is unconscious. Seek urgent medical advice.
<b>Skin</b>	Remove all contaminated clothing. Wash affected areas thoroughly with soap and water. For gross contamination, immediately drench with water and remove clothing. Wash contaminated clothing before reuse. Seek urgent medical advice.
<b>Eye</b>	Immediately hold eyelids open and irrigate continuously with water for 15 minutes. Lift upper and lower lids occasionally. Seek urgent medical advice.
<b>First Aid Facilities</b>	Eye wash. Hand wash basin. First Aid kit.
<b>Advice to Doctor</b>	Treat symptomatically for caustic solutions. Show this M.S.D.S. to the medical practitioner.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use water fog, dry chemical, and alcohol foam or carbon dioxide extinguishers. Water spray may be used to cool containers.
<b>Hazards from Combustion Products</b>	Non Combustible. Fumes may be toxic and irritating. Reaction with some metals will produce flammable hydrogen gas.
<b>Specific Methods</b>	Fire fighters to wear full body protective clothing with breathing apparatus. Deluge with water to cool containers. Evacuate area move upwind of fire.

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Hazchem Code 2R

## 6. ACCIDENTAL RELEASE MEASURES

<b>Spills &amp; Disposal</b>	Spills are slippery. Clear area of unprotected personnel. Contain all spills using inert absorbent (soil, sand, vermiculite). Collect and seal in properly labeled containers for disposal. Large spills should be contained with absorbent and removed to drums for disposal. Remove in accordance with local waste management authority.
<b>Personal Protection</b>	Wear protective clothing to prevent eye and skin contamination. Ensure an eye bath and safety shower is available. Operators are recommended to wear full protective clothing, glasses, gloves, apron etc. including footwear.
<b>Environmental Precautions</b>	Prevent spills from entering drains and waterways. Contact local emergency services if contamination of sewers or waterways occurs.

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Handle according to good manufacturing and industrial hygiene practices. Do not drink, eat or smoke while handling. Respect good personal hygiene.
<b>Conditions for Safe Storage</b>	Store in a dry, well ventilated place, out of reach of children. Store in original container. Keep container closed. Keep away from acids. Keep away from oxidising agents. Protect from physical damage. Clean up all spills promptly; avoid secondary accidents.
<b>Unsuitable Materials</b>	Store away from acids and ammonium salts. Hydrogen gas is generated when undiluted material contacts aluminium, zinc or tin. Do not store in aluminium or galvanized containers. Do not use die-cast zinc or aluminium bungs.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards</b>	Safe Work Australia does not list an exposure limit for this product however TWA (peak limitation) of Potassium Hydroxide is 2mg/m <sup>3</sup> .
<b>Engineering Controls</b>	Use in a well ventilated area. If ventilation is insufficient use a corrosive - resistant ventilation system separate from other exhaust systems. Engineering control methods to reduce hazards are preferred.
<b>Personal Protective Equipment</b>	Avoid breathing mists. Where sufficient ventilation is not available then wear an AS 1715 and 1716 approved respirator. Ensure an eye bath and safety shower is available. Operators are recommended to wear full protective clothing, glasses/face shield, gloves etc. including footwear. Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Liquid
<b>Appearance</b>	Mobile tan liquid.
<b>Odour</b>	Nil
<b>Melting Point</b>	Approx. 0°C
<b>Boiling Point</b>	Approx. 100°C
<b>Solubility in Water</b>	Completely soluble in water.
<b>Specific Gravity</b>	1.06
<b>pH Value</b>	> 13
<b>Flash Point</b>	None
<b>Flammability</b>	Non flammable

## 10. STABILITY AND REACTIVITY

<b>Stability and Reactivity</b>	Caution-Heat will be evolved upon contact with acids
<b>Conditions to Avoid</b>	Use only as directed on the label. Store in accordance with directions given in Section 7 (Handling and storage) of this MSDS. Keep containers closed as this material absorbs carbon dioxide from the air.
<b>Incompatible Materials</b>	This material is not to be stored in aluminium, zinc or tin containers.

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**Hazardous Reactions** This material vigorously reacts with acids to generate heat. Reacts violently with ammonium salts generating ammonia gas. Hydrogen gas is generated when undiluted material contacts aluminium, zinc or tin.

## 11. TOXICOLOGICAL INFORMATION

**Inhalation** Inhalation of mists may cause severe irritation to the respiratory system including burns to the upper respiratory tract. Inhalation of large doses may cause pulmonary edema, pneumonitis and emphysema.

**Ingestion** Corrosive. Ingestion may cause nausea, vomiting, headache, pain, diarrhoea and burns.

**Skin** Corrosive. Exposure may cause irritation and burns. Skin contact often does not cause pain, contamination of gloves and boots should be avoided.

**Eye** Corrosive. Can cause permanent injury with redness, pain and burns.

**Chronic Effects** Chronic effects are unlikely due to the severity of acute effects.

**Acute Toxicity - Oral** For Potassium Hydroxide:  
Oral LD50 (rabbit): 273 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecological Information** Avoid contaminating waterways. Prevent spills from entering drains and waterways.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Remove for disposal in accordance with local waste management regulations. Can be diluted with large amounts of water and flushed to drain with copious amounts of water.

## 14. TRANSPORT INFORMATION

**Transport Information** Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7.

**U.N. Number** 1719

**Proper Shipping Name** CAUSTIC ALKALI LIQUID, N.O.S.

**DG Class** 8

**Hazchem Code** 2R

**Packaging Method** 3.8.8RT8

**Packing Group** II

**EPG Number** 8A1

**IERG Number** 37

**Other Information** Store away from acids and ammonium compounds.

## 15. REGULATORY INFORMATION

**Regulatory Information** Classified as hazardous according to criteria of Safe Work Australia

**Poisons Schedule** S6

**Hazard Category** Corrosive

## 16. OTHER INFORMATION

**Signature of Preparer/Data Service** Technical Manager (03) 9456 9024

**Technical Contact Numbers** Emergency Advice All Hours:  
Managing director: (02) 6885 4848 Mon-Fri 8am - 6pm  
Poisons Information Centre: 13 1126 24hrs

**Other Information** This MSDS summarises at the date of issue our best knowledge of the

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health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this MSDS carefully, and if in doubt ring the Contact Point Number given below.

...End Of MSDS...

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