

## Material Safety Data Sheet

PRODUCT NAME **AMBASSADOR**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name** JOHNSONDIVERSEY AUSTRALIA PTY LTD  
**Address** 29 Chifley St, Smithfield, NSW, AUSTRALIA, 2164  
**Telephone** (02) 9757 0300  
**Fax** (02) 9725 5767  
**Emergency** 1800 033 111 (24 hrs)  
**Email**  
**Web Site** <http://www.johnsondiversey.com>

**Synonym(s)** HH10161 AMBASSADOR 2X5L (L68)

**Use(s)** LIQUID BEER LINE CLEANER

### 2. HAZARDS IDENTIFICATION

#### CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

##### RISK PHRASES

R35 Causes severe burns.  
 R41 Risk of serious damage to eyes.

##### SAFETY PHRASES

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 contact a doctor or Poisons Information Centre.  
 S37/39 Wear suitable gloves and eye/face protection.  
 S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

#### CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>UN No.</b>	1719	<b>Hazchem Code</b>	2R	<b>Pkg Group</b>	II
<b>DG Class</b>	8	<b>Subsidiary Risk(s)</b>	None Allocated	<b>EPG</b>	8A1

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
POTASSIUM HYDROXIDE	K-O-H	10-30%	1310-58-3
SODIUM HYDROXIDE	Na-OH	10-30%	1310-73-2
NON HAZARDOUS INGREDIENTS	Not Available	>60%	Not Available

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#### 4. FIRST AID MEASURES

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<b>Eye</b>	Hold eyelids apart and flush continuously with water. Continue until advised to stop by the Poisons Information Centre, a doctor, or for at least 15 minutes. Keep patient calm.
<b>Inhalation</b>	Leave area of exposure immediately. If assisting a victim avoid becoming a casualty, wear an Air-line respirator where an inhalation risk exists. Remove victim from exposure area & keep warm. If victim is not breathing apply artificial respiration & seek urgent medical attention.
<b>Skin</b>	Remove contaminated clothing and gently flush affected areas with water. Continue to flush with water until skin no longer feels soapy. Seek medical attention. Launder clothing before reuse.
<b>Ingestion</b>	For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.
<b>Advice to Doctor First Aid Facilities</b>	<p>CORROSIVE POISONING TREATMENT: Immediate treatment preferably in a hospital is mandatory. In treating corrosive poisoning, DO NOT INDUCE VOMITING; DO NOT ATTEMPT GASTRIC LAVAGE; and DO NOT ATTEMPT TO NEUTRALISE THE CORROSIVE SUBSTANCE. Vomiting will increase the severity of damage to the oesophagus as the corrosive substance will again come in contact with it. Attempting gastric lavage may result in perforating either the oesophagus or stomach.</p> <p>Immediately dilute the corrosive substance by having the patient drink milk or water. If the trachea has been damaged tracheostomy may be required. For oesophageal burns begin broad-spectrum antibiotics and corticosteroid therapy. Intravenous fluids will be required if oesophageal or gastric damage prevents ingestion of liquids. Long-range therapy will be directed toward preventing or treating oesophageal scars and strictures.</p> <p>Eye wash facilities and safety shower should be available. Eye wash facilities and safety shower should be available.</p>

#### 5. FIRE FIGHTING MEASURES

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<b>Flammability</b>	Non flammable. May evolve toxic gases when heated to decomposition. Contact with some metals (eg: aluminium), may liberate potentially flammable - explosive hydrogen gas.
<b>Fire and Explosion</b>	Non flammable. May evolve flammable hydrogen gas in contact with some metals. If product is present in a fire, toxic gases may be evolved. Evacuate area & contact emergency services. Remain upwind & notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
<b>Extinguishing</b>	Non flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.
<b>Hazchem Code</b>	2R

#### 6. ACCIDENTAL RELEASE MEASURES

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<b>Spillage</b>	If spilt, contact emergency services if appropriate. Wear full-length PVC or rubber gloves, an Air-line respirator (where an inhalation risk exists), coveralls, PVC apron and rubber boots. Ventilate and clear area of all unprotected personnel. Absorb spill with sand, vermiculite or similar. Collect and place in sealable containers for treatment and disposal.
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#### 7. STORAGE AND HANDLING

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<b>Storage</b>	Store in cool, dry, well ventilated area, removed from oxidising agents, acids, active metals, direct sunlight, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should be bunded and have appropriate ventilation systems.
<b>Handling</b>	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas (eg. if container is damaged).

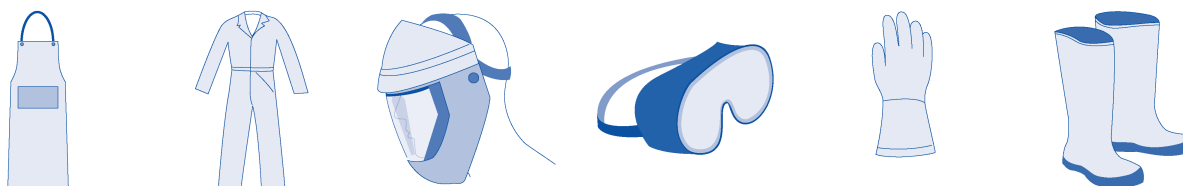
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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ventilation** Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

**Exposure Standards** POTASSIUM HYDROXIDE (1310-58-3)  
ES-TWA: 2 mg/m<sup>3</sup> Potassium hydroxide  
WES-TWA: 2 mg/m<sup>3</sup>  
SODIUM HYDROXIDE (1310-73-2)  
ES-TWA: 2 mg/m<sup>3</sup> (Peak limitation)  
WES-TWA: 2 mg/m<sup>3</sup>

**PPE** Wear a faceshield, splash-proof goggles, coveralls, rubber or PVC gloves, a PVC apron and rubber boots. At high vapour levels, wear an Air-line respirator.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	CLEAR COLOURLESS LIQUID	<b>Solubility (water):</b>	SOLUBLE
<b>Odour:</b>	CHARACTERISTIC ODOUR	<b>Specific Gravity:</b>	1.4
<b>pH:</b>	11.5 - 13.0	<b>% Volatiles:</b>	NOT AVAILABLE
<b>Vapour Pressure:</b>	NOT AVAILABLE	<b>Flammability:</b>	NON FLAMMABLE
<b>Vapour Density:</b>	NOT AVAILABLE	<b>Flash Point:</b>	NOT RELEVANT
<b>Boiling Point:</b>	NOT AVAILABLE	<b>Upper Explosion Limit:</b>	NOT RELEVANT
<b>Melting Point:</b>	NOT AVAILABLE	<b>Lower Explosion Limit:</b>	NOT RELEVANT
<b>Evaporation Rate:</b>	NOT AVAILABLE	<b>Autoignition Temperature:</b>	NOT AVAILABLE
<b>Exposure Standard:</b>	2 mg/m <sup>3</sup> Sodium hydroxide		

## 10. STABILITY AND REACTIVITY

**Reactivity** Incompatible with oxidising agents (eg. peroxides), acids (eg. sulphuric acid), active metals (eg. aluminium, potassium, magnesium), and heat and ignition sources.

**Decomposition Products** May evolve toxic gases when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

**Health Hazard Summary** Use safe work practices to avoid eye or skin contact and spray mist generation or inhalation. This product has the potential to cause severe skin and eye burns with possible permanent tissue damage. If diluted, the risk of adverse health effects is greatly reduced.

**Eye** Contact may result in pain, lacrimation, redness, conjunctivitis, corneal burns and ulceration with possible permanent damage.

**Inhalation** Over exposure may result in irritation, coughing and bronchitis. At high level exposure may result in ulceration, lung tissue damage, chemical pneumonitis and pulmonary oedema. Symptoms may be delayed following exposure. Low volatility reduces inhalation hazard unless sprayed/heated.

**Skin** Contact may result in rash, dermatitis, blistering and severe burns. Effects (eg. burning sensation) may be delayed.

**Ingestion** Ingestion may result in burns to the mouth and throat, nausea, vomiting and abdominal pain. Large doses may result in ulceration, unconsciousness, convulsions and death.

**Toxicity Data** POTASSIUM HYDROXIDE (1310-58-3)  
LD50 (Ingestion): 273 mg/kg (rat)

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## 12. ECOLOGICAL INFORMATION

**Environment** WATER: If released to waterways, alkaline products may change the pH of the waterway. Fish will die if the pH reaches 10-11 (goldfish 10.9, bluegill 10.5). SOIL: May leach to groundwater with toxic effects on aquatic life as above. ATMOSPHERE: Not expected to reside in the atmosphere. Drops or particles released to atmosphere should be removed by gravity and/or be rained out.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal** Neutralise with dilute acid (eg. 3 mol/L hydrochloric acid) or similar. For small amounts absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information.

**Legislation** Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

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

<b>UN No.</b>	1719	<b>Hazchem Code</b>	2R	<b>Pkg Group</b>	II
<b>DG Class</b>	8	<b>Subsidiary Risk(s)</b>	None Allocated	<b>EPG</b>	8A1

## 15. REGULATORY INFORMATION

**Poison Schedule** Classified as a Schedule 6 (S6) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

**Additional Information** The typical in-use concentration of 85mL per 5L of solution is not classified as hazardous according to criteria of NOHSC Australia.

**RESPIRATORS:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD) (NZ):** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

### ABBREVIATIONS:

mg/m<sup>3</sup> - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

CNS - Central Nervous System

NOS - Not Otherwise Specified

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all

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possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Report Status**

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.

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**End of Report**