

# MATERIAL SAFETY DATA SHEET

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## PRODUCT : AUTO DISHWASH LIQUID

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA.

Product Code: 0010014

Other names: Nil

UN Number:	1719	Shipping Name:	CAUSTIC ALKALI LIQUID N.O.S.
Hazchem Code:	2R	DG Class :	8
Subsidiary Risk:	NIL	Poison Schedule:	6
Packaging Group:	II		

### PHYSICAL DESCRIPTION/PROPERTIES

Use:	A concentrated detergent designed for use in dishwash machines fitted with liquid dispensers		
Appearance :	Clear, non-viscous liquid	Odour :	Mild chlorine odour
Specific Gravity:	Nil	Vapour Pressure:	not determined (equivalent to water)
Solubility in water:	Not applicable	Flash Point :	non-flammable
Boiling/Melting Points:	Not applicable	Flammability Limits :	non- flammable
Other Properties:	Nil	pH :	13.8

### INGREDIENTS

Chemical	CAS Number	Proportion (w/v)
Sodium Hydroxide	7681-52-9	25.0%
Sodium Hypochlorite	7681-52-9	3.6%
Other ingredients considered non-hazardous	Not required	>60%

### FIRST AID:

Swallowed:	Do NOT induce vomiting. Rinse or wash mouth with plenty of water. If victim is conscious, induce drinking of water or milk. Seek immediate medical attention.
Eye:	Immediately irrigate with copious quantities of water for at least 15 minutes, eyelids to be held open. Transport to a doctor or hospital, washing during transport if possible.
Skin Contact:	Immediately remove contaminated clothing and wash skin thoroughly with water for at least 30 minutes. Seek medical attention if pain persists.
Inhaled:	Remove to fresh air.
First Aid Facilities:	No special requirements.
Advice to Doctor:	Treat symptomatically.

### WORKSAFE AUSTRALIA CLASSIFICATION

CATEGORY :	Xc - CORROSIVE
RISK PHRASES :	R34 - Causes burns. R41 - Risk of serious damage to eyes. R31 - Contact with acids liberates toxic gas.
SAFETY PHRASES :	S26 - In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. S2 - Keep out reach of children S28 - After contact with skin, wash immediately with plenty of soap and water. S50 - Do not mix with acids. S37/39 - Wear suitable gloves and eye/face protection.

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### HEALTH EFFECTS

Short term exposure by all routes is considered to be harmful. Symptoms that may arise if the product is mishandled are:

#### ACUTE:

- Swallowed:** Can result in pain, nausea, vomiting, swelling of the larynx and suffocation, perforation of the gut, cardiovascular collapse and coma.
- Eye:** Corrosive. Can cause conjunctivitis, corneal burns and ulceration leading to permanent injury and possible loss of sight.
- Skin Contact:** Corrosive to skin – may cause burns. Contact often does not cause pain. Avoid contamination of gloves and boots. May cause irritant dermatitis.
- Inhaled:** Respiratory irritant. Generated mists may have harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.

**CHRONIC:** No data.

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### PRECAUTIONS FOR USE:

- Exposure Standards:** No value assigned for this specific material by the National Health and Medical Research Council or by the National Occupational Health and Safety Commission (Worksafe Australia). However, for sodium hydroxide, TLV 2mg/m<sup>3</sup> as assigned by Research Council or by the National Occupational Health and Safety Commission (Worksafe Australia). Exposure standard for decomposition product, Chlorine - TWA 1ppm (3mg/m<sup>3</sup>).
- Engineering Controls:** Maintain concentration below TLV. Avoid generating and inhaling mists and aerosols.
- Personal Protection:** Avoid all contact. Use good Occupational work practice. The use of protective clothing and equipment depends on the degree and nature of exposure. Wear protective clothing, impervious gloves, eye glasses/face shield and splash apron when handling product.
- Flammability:** Not a combustible material.

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### SAFE HANDLING INFORMATION :

- Storage and Transport:** Classed as a Class 8 corrosive liquid, by the Australian Code for the Transport of Dangerous Goods by Rail and Road. Store as per the regulatory requirements for a schedule 6 poison. Store in a cool, dry place, and out of direct sunlight, and away from acids. Keep containers closed at all times.
- Spills and Disposal:** Wear protective clothing to prevent skin and eye contamination and inhalation of decomposition products (chlorine gas). Prevent large spills from entering sewer systems, waterways, etc. Allow controlled access to drain accompanied by suitable neutralising agents such as sodium metabisulphite or sodium thiosulphate and a large excess of water. Wash area down with excess water. Refer to State Land Waste Management Authority for disposal methods.
- Fire/Explosion:** Fire fighters to wear self contained breathing apparatus if risk of exposure to products of decomposition. Can decompose upon heating liberating toxic fumes.  
Extinguishing media: Water spray, carbon dioxide, dry chemical powder, or foam.
- Other information:** Incompatible with acids.

**CONTACT POINT: Industrial Chemist - phone: 07 3204 8300**

This material safety data sheet is compiled from the best information currently available to the company. The company accepts no responsibility for the accuracy of the information contained in this data sheet, or any results obtained by customers or end-users. Good industrial hygiene should always be used when handling chemicals.

END OF MSDS