

MATERIAL SAFETY DATA SHEET

Revised Date:	October 2004
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Classified as hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

Company Name	Chemwell Products Pty Ltd (ABN 29 060 847 538)
Address	3 Clive Street, Springvale Vic 3171
Phone/Fax	Ph: +61 3 9558 5678 Fax: +61 3 9562 4360
Emergency Telephone	13 11 26 Poison Information Centre (National), 000 Police, Fire, Ambulance
Email	rkiwerc1@iinet.net.au

IDENTIFICATION

Product Code	1-01-01
Product Name	Auto Dishwashing Liquid
Other Name	Club (Economy Auto Dish Wash Liquid)
Shipping Name	Potassium Hydroxide Solution
UN Number	1814
DG Class	8
Packaging Group	II
Hazchem Code	2R
Poisons Schedule	S6
Product Use	Chlorinated detergent for auto dishwashing machines.

Physical Data

Appearance	A clear liquid with a faint chlorine odour
Boiling Point	Approx. 110°C
Vapour Pressure	Not Tested
Specific Gravity	Approx. 1.25
Flash Point	Not Flammable
Flammable Limit LEL	Not Required

Other Properties

PH Value	Approx. 13.5
Form	Liquid
Solubility	Soluble in water

Ingredients

Ingredients	Name	CAS	Proportion %
	Potassium Hydroxide	1310-58-3	15-25
	Tetrapotassium Pyrophosphate	7320-34-5	0-5
	Sodium Silicate	1344-09-8	0-5
	Sodium Hypochlorite	7681-52-9	0-5
	Water	7732-18-5	(BALANCE)

HEALTH HAZARD INFORMATION**Health Effects**

Acute Swallowed	Harmful if swallowed. Could possibly cause severe burns to mouth, throat and stomach. Possible outcomes of ingestion are nausea, vomiting and burning. Can kill if swallowed.
Acute – Eye	Considered a severe eye irritant. Highly corrosive to eyes. Could possibly cause conjunctivitis, corneal burns and ulceration. May cause permanent damage to eyes.
Acute – Skin	Harmful and corrosive to skin and will cause skin to burn.
Acute – Inhaled	Inhalation may be harmful. Could possibly cause irritation to the mouth, nose and throat.
Chronic	Prolonged skin contact can result in chronic dermatitis.

First Aid

Swallowed	Rinse mouth out thoroughly with water immediately and give water to drink. DO NOT induce vomiting. Seek medical advice immediately.
Eye	Irrigate eyes immediately with large amounts of water for at least 15 minutes. Eyelids are to be held open. Seek medical advice.
Skin	Wash affected area with large amounts of water immediately. Remove any contaminated clothing and wash before re-use. Seek medical advice if pain or irritation persists.
Inhaled	Not consider a normal feature of use.
First Aid Facilities	Standard first aid facilities

Advice to Doctor

Advice to Doctor	Consult The Poisons Information Centre (refer to back page for telephone number)
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Other Health Hazard Information

PRECAUTION FOR USE

Exposure Limits	Potassium Hydroxide TWA 2mg/m ³ Tetrapotassium pyrophosphate TWA 5mg/m ³
Engineering Control	Use in naturally well ventilated areas
Other Information	Avoid inhalation of mists.

Personal Protection

Protective Equipment	Wash hands before eating, drinking or using the toilet. Avoid skin and eye contact. Eye Protection: Use chemical splash goggles/glasses or face shield. Skin Protection: PVC or rubber gloves
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Flammability

Fire Hazards	Non-flammable. Non combustible
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SAFE HANDLING INFORMATION

Storage and Transport

Storage & Transport	Keep containers sealed securely and protected against any form of physical damage. This product should be stored away from acids.
Proper Shipping Name	Potassium Hydroxide Solution (UN No. 1814)
EPG Number	8A1

Spills and Disposals

Spills & Disposal When this product is spilt on a surface, the surface will become slippery so take care to avoid accidents. Isolate the leaking containers and stop the leak if safe to do so. Absorb the spill using an absorbent such as earth, sand or similar absorbing material. Collect and seal the product into properly labelled drums ready for disposal. All clean up staff must wear protective equipment such as safety goggles/glasses and gloves. For disposal refer to the State Waste Authority.

Fire/Explosion Hazard

Fire/Explosion Hazard Non-combustible. This product is highly alkaline and on contact with particular metals will react to produce hydrogen gas. In the event of a fire, a release of chlorine gas can occur.

Hazardous Reaction This solution in water is considered a strong base and will violently react with acid. It is corrosive to skin and some selected metals. Releases toxic chlorine gas when in contact with acids.

Hazchem Code 2R

OTHER INFORMATION

Information on Ecological Effects This substance is not particularly hazardous to the environment.

RISK & SAFETY PHRASES

S24/25 Avoid contact with skin and eyes
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
S28 After contact with skin, wash immediately with plenty of soap-suds.
S50 Do not mix with ...
S37/39 Wear suitable gloves and wear eye/face protection.
R31 Contact with acids liberates toxic gas.
R35 Causes severe burns.
R36/38 Irritating to eyes and skin.

Packaging & Labelling This product contains a schedule poison (S6) and therefore must be maintained in accordance with State Poisons Act. Defined as a 'Dangerous Good' by the Australian Code for the Transport of Dangerous Goods by Road and Rail

Hazard Category Highly Corrosive

CONTACT POINT

TELEPHONE	ORGANISATION	LOCATION	ASK FOR
+61 3 9558 5678 13 11 26 000	Chemwell Products Pty Ltd Poison Information Centre Fire, Police, Ambulance	Springvale, VIC National National	Technical Officer

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

End of MSDS
