

MATERIAL SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL PTY LTD

Date of Issue: 13/4/05

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PRODUCT : SUPER STEAM

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA.

Product Code: 0010027

Other names: N/A

UN Number: 1760	Shipping Name: Corrosive Liquid N.O.S.
Hazchem Code: 2R	DG Class : 8
Subsidiary Risk: NIL	Poison Schedule: 6
Packaging Group: II	

PHYSICAL DESCRIPTION/PROPERTIES

Use:	Water based alkaline product for cleaning concrete, equipment and machinery		
Appearance :	Transparent, caramel coloured liquid	Odour :	Characteristic
Specific Gravity:	1.16	Vapour Pressure:	Not determined
Solubility in water:	Complete	Flash Point :	Non-flammable
Boiling/Melting Points:	Not applicable	Flammability Limits :	Non-flammable
Other Properties:	Highly alkaline, corrosive liquid	pH :	> 13

INGREDIENTS

Chemical	CAS Number	Proportion (w/v)
Sodium Hydroxide	1310-73-1	10 - 30%
Ingredients determined to be non-hazardous	Not required	>60%

FIRST AID:

- Swallowed:** Do Not induce vomiting. Rinse or wash mouth with plenty of water . 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 rinse affected area thoroughly with water for at least 30 minutes. If irritation occurs, seek medical attention.
- Inhaled:** Remove victim from exposure. Seek immediate medical attention.
- First Aid Facilities:** No special requirements
- Advice to Doctor:** Treat symptomatically and as for strongly alkaline corrosive materials.

WORKSAFE AUSTRALIA CLASSIFICATION

CATEGORY :	Xc - Corrosive
RISK PHRASES :	R35 - Causes severe burns R41 - Risk of serious damage to eyes
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 of reach of children S37/39 – Wear suitable gloves and eye/face protection

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HEALTH EFFECTS

ACUTE:

- Swallowed:** Can result in pain, nausea, vomiting, swelling of the larynx and suffocation, perforation of the gut, cardiovascular collapse and coma.
- Eye:** Corrosive to eyes. 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. Harmful corrosive effects may include lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.

CHRONIC: No data available

PRECAUTIONS FOR USE:

- Exposure Standards:** TLV 2mg/m3 for Sodium Hydroxide as assigned by the Research Council or by the National Occupational Health and Safety Commission (Worksafe Australia).
- Engineering Controls:** Maintain concentration below TLV. Avoid generating and inhaling mists and aerosols
- Personal Protection:** Avoid all contact. Use good Occupational Health work practices. The use of protective clothing and equipment depends on the degree and nature of exposure. Wear protective clothing, impervious full length gloves, eye goggles, face shield and splash apron when handling product.
- Flammability:** Not a combustible material.

SAFE HANDLING INFORMATION :

- Storage and Transport:** Classified 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. Keep containers closed at all times.
- Spills and Disposal:** Wear protective clothing to prevent eye and skin contamination. Mop up with absorbent material for disposal. Small spills may be rinsed away with water. Disposal – as per Local Government requirements
- Fire/Explosion:** Non-combustible material
- Other information:** Nil.

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