

# MATERIAL SAFETY DATA SHEET

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## PRODUCT : ALKASTEAM

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA.

Product Code: 020701

Other names:

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

## PHYSICAL DESCRIPTION/PROPERTIES

Use:	A water based 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%
Materials considered to be non hazardous	not required	> 60%

## FIRST AID:

<b>Swallowed:</b>	Do NOT induce vomiting. Rinse or wash mouth with plenty of water. Seek immediate medical attention.
<b>Eye:</b>	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.
<b>Skin Contact:</b>	Immediately remove contaminated clothing and wash skin thoroughly with water for at least 30 minutes.
<b>Inhaled:</b>	Remove victim from exposure – avoid becoming a casualty. Seek immediate medical attention.
<b>First Aid Facilities:</b>	No special requirements.
<b>Advice to Doctor:</b>	Treat symptomatically and as for strongly alkaline corrosive material.

## 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 reach of children 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. Harmful corrosive effects may include lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.

**CHRONIC:**

No data available

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**PRECAUTIONS FOR USE:**

- Exposure Standards:** TLV 2mg/m<sup>3</sup> for SODIUM HYDROXIDE as assigned by 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 work practice. The use of protective clothing and equipment depends on the degree and nature of exposure. Wear protective clothing, impervious gloves, eye shields 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. 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 washed away. Dispose of as per local government requirements.
- Fire/Explosion:** Non-combustible material.
- Other information:** Nil

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**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**