

Material Safety Data Sheet

SODIUM HYDROXIDE 0.1M

Infosafe™ JXFEH **Issue** August 2006 **Status** ISSUED by **BS:**
No. **Date** AJAXFC 1.9.21

Not classified as hazardous

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name SODIUM HYDROXIDE 0.1M
Product Code 637
Product Use Laboratory reagent.
Company Name Ajax Finechem (ABN 64 121 927 786)
Address 17/21 Bay Road Taren Point
NSW 2229
**Emergency
Tel.** 1800 638 556 (24 hr) Aust / (NZ): 0800 154 666
**Telephone
Number/Fax** Tel: 1300 884 078

Other Names	Name	Product Code
	SODIUM HYDROXIDE 0.05M	2538

**Other
Information** NEW ZEALAND: Ajax Finechem (NZ) Ltd
150B Harris Road, East Tamaki, Auckland
Phone (09) 273 4343
Fax (09) 273 4341
Emergency Advice (NZ): Phone 0800 154 666

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Hazard	R	Phrase
	Sodium hydroxide	1310-73-2	0-<0.5 %	C		R35
	Ingredients determined not to be hazardous		Balance to 100%			

3. HAZARDS IDENTIFICATION

Australia:

Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:

Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Not classified as Dangerous Goods for transport, according to the New Zealand Standard NZS 5433:1999 Transport of Dangerous Goods on Land.

Chronic Effects	Repeated or prolonged exposure to this material may result in skin irritation.
Inhalation	Inhalation of vapours or spray mists may cause irritation to the respiratory tract.
Ingestion	May cause irritation to the gastrointestinal tract.
Skin	May cause irritating in contact with skin. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis.
Eye	May cause irritation to eyes. Symptoms may include redness, tearing, stinging and blurred vision.

4. FIRST AID MEASURES

Inhalation	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have a qualified person give oxygen through a face mask if breathing is difficult. If irritation develops seek medical attention.
Ingestion	Immediately wash out mouth with water and then give

plenty of water to drink. If symptoms develop seek medical attention.

Skin Remove all contaminated clothing. Wash gently and thoroughly with water. Ensure contaminated clothing is washed before re-use or discard. If irritation develops and persists seek medical attention.

Eye If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.

First Aid Facilities Normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 131 126; New Zealand 0800 764 766) or a doctor (at once).

5. FIRE FIGHTING MEASURES

Extinguishing Media Use appropriate fire extinguisher for surrounding environment.

Hazardous Combustion Products Non combustible material.

Precautions in connection with Fire Wear Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing to minimise skin exposure.

Flash Point Not applicable.

Ignition Temperature Not applicable.

Flammable Limits UEL Not applicable.

Flammable Limits LEL Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Increase ventilation. Evacuate all unnecessary personnel. Wear protective clothing to minimise skin and eye exposure. If possible contain the spill. Place inert absorbent material onto spillage. Mop up material and place into the same container. If the

spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Handling	When dealing with this product, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.
Storage	Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for this material by the Australian National Occupational Health & Safety Commission (NOHSC) or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour.
Respiratory Protection	Where ventilation is inadequate the use of an Air Purifying Respirator with a Organic Vapour filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended.
Eye Protection	The use of chemical goggles or safety glasses with side shield protection is recommended. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable work wear should be worn to protect personal clothing. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.
Eng. Controls	Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.

**Biological
Limit Values** No Biological limit available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear, colourless solution.

Odour Not available.

Melting Point Not available.

Boiling Point ~100°C

**Solubility in
Water** Soluble.

**Specific
Gravity
(H₂O=1)** ~1

pH Value ~12.7

**Vapour
Pressure** Not available.

**Vapour Density
(Air=1)** Not available.

Flash Point Not applicable.

**Ignition
Temperature** Not applicable.

**Flammable
Limits LEL** Not applicable.

**Flammable
Limits UEL** Not applicable.

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions of use.

**Hazardous
Polymerization** Will not occur.

**Materials to
Avoid** Strong oxidising agents.

**Hazardous
Decomposition
Products** Thermal decomposition may result in the release of toxic and/or irritating fumes.

Conditions to Avoid Extremes of temperature and direct sunlight.

11. TOXICOLOGICAL INFORMATION

Toxicology Information No toxicity data is available for this material.

Inhalation Inhalation of vapours or spray mists may cause irritation to the respiratory tract.

Ingestion May cause irritation to the gastrointestinal tract.

Skin May cause irritating in contact with skin. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis.

Eye May cause irritation to eyes. Symptoms may include redness, tearing, stinging and blurred vision.

Chronic Effects Repeated or prolonged exposure to this material may result in skin irritation.

12. ECOLOGICAL INFORMATION

Environment Protection Avoid contaminating waterways.

Mobility No data is available for this material.

Persistence / Degradability No data is available for this material.

Ecotoxicity No data is available for this material.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, EPA and state regulations.

14. TRANSPORT INFORMATION

Australia:
Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:
Not classified as Dangerous Goods for transport
according to the NZS 5433:1999 Transport of Dangerous
Goods on Land.

15. REGULATORY INFORMATION

Australia:
Not classified as hazardous according to criteria of
National Occupational Health & Safety Commission
(NOHSC).
Poison Schedule: Schedule 5

New Zealand:
Not classified as Hazardous according to the New
Zealand Hazardous Substances (Minimum Degrees of
Hazard) Regulations 2001.

Risk Phrase

**Poisons
Schedule** S5

16. OTHER INFORMATION

**Contact
Person/Point** For further information contact Tom Sadler on 1300 884
078 during business hours. In case of emergency call
Australia 1800 638 556/ New Zealand 0800 154 666.

IMPORTANT ADVICE: This MSDS summarizes 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. If clarification or further information is
needed to ensure that an appropriate risk assessment
can be made, the user should contact Ajax Finechem Pty
Ltd. Our responsibility for products sold is subject
to our standard terms and conditions, a copy of which
is sent to our customers and is also available on
request.

SDS History MSDS reviewed: August 2006.

**Poisons
Schedule** S5

End of MSDS

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