

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: ADBREAK LC843

Synonyms: Caustic Alkali Liquid N.O.S

Use: Liquid Laundry Alkalinity Builder

Supplier: Advance Chemicals

ABN: 61 005 625 025

Street Address: 4 – 8 Malton Court Altona, 3018

Telephone Number: (03) 9398 4444

Facsimile: (03) 9398 5278

Emergency Telephone: Ted Powell (03) 9398 4444 (Business Hours)
0425 800 022 (After Hours)

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Classification of the substance or mixture:

Skin Corrosion – Category 1B

SIGNAL WORD: DANGER



Hazard Statement(s):

H314 – Causes severe burns and eye damage

Precautionary Statement(s):

Prevention:

P260 – Do not breathe mists

P264 – Wash hands thoroughly after handling

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

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Response:

P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P363 – Wash contaminated clothing before reuse
 P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P310 – Immediately call the POISONS CENTRE (131126) or doctor/physician
 P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

Storage:

P405 – Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with local waste management authority.

Poison Schedule (Australia): 6

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	
Sodium Hydroxide	1310-73-2	30 – 60%	H314
Alkaline Salts	-	< 10%	
Dispersants	-	< 10%	
Water	7732-18-5	30 – 60 %	

4. FIRST AID MEASURES

Inhalation: Remove victim from exposure, avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If victim has stopped breathing begin artificial respiration, or if heart has stopped, cardiopulmonary resuscitation. SEEK IMMEDIATE MEDICAL ATTENTION.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water. See a doctor if skin irritation, swelling, and redness or blistering occurs. Wash clothing before reuse.

Eye Contact: Immediately hold eyelids open and flood with clean cold water for at least 20 minutes. Take care not to rinse contaminated water into the non-affected eye. SEEK IMMEDIATE MEDICAL ATTENTION.

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Ingestion: DO NOT INDUCE VOMITING. Immediately wash out mouth with water and then give plenty of water to drink. SEEK IMMEDIATE MEDICAL ATTENTION.

Notes to Doctor: Treat symptomatically and as for strongly alkaline corrosive material.

5. FIRE FIGHTING MEASURES

Specific Hazards: Not combustible, however reaction with metals will produce flammable hydrogen gas which will burn if ignited.

Fire-fighting advice: Wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion. Remove containers not involved in the fire from the vicinity.

Suitable Extinguishing Media: Use water fog, foam or dry agent.

Hazchem Code: 2X

Flammability: Non flammable or combustible.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Slippery when spilt. Clear area of all unprotected personnel. Contain using sand and soil. Prevent run off into drains and waterways. Use absorbent(soil or sand, inert material, vermiculite). Collect and seal in properly labelled containers for disposal. Caution- heat may be evolved on contact with water. If contamination of sewers or waterways has occurred advise the local emergency services. Refer to State Land and waste authority for disposal. Sea water may be used as a decontaminant for soil heavily contaminated with this product.

7. HANDLING AND STORAGE

Handling advice: Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure high level of personal hygiene is maintained when using this product. That is, always wash hands before eating, drinking, smoking or using the toilet.

Storage advice: Keep containers closed at all times Store away from acids and ammonium salts. Do not store in aluminium or galvanised containers or use diecast zinc or aluminium bungs. Steel bungs should be used. Reacts exothermically with water. Heat evolved may cause boiling and spattering. Check regularly for spills and leaks.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits: TLV – TWA for sodium hydroxide is $2\text{mg}/\text{m}^3$

Engineering Controls: Natural ventilation should be sufficient, however where vapours are generated the use of a local ventilation system is recommended.

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Personal Protection Equipment: If engineering controls are not effective in controlling airborne exposure then a supplied air respirator should be used. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

The use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves – Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.

The use of plastic apron, sleeves, overalls, and rubber boots are recommended. Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, slightly viscous liquid

Boiling Point: > 100°C

Melting Point: Not Known

Flash Point: Non Flammable

Vapour Pressure: 16 mm Hg @ 20°C

Vapour Density (Air = 1): 0.6

Flammability Limits: Non Flammable

Specific Gravity: 1.3

pH: 14

Solubility in water: Soluble in all proportions

Corrosiveness: Corrosive to human tissue and some non-ferrous metals.

10. STABILITY AND REACTIVITY

Stability: Stable under normal circumstances.

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11. TOXICOLOGICAL INFORMATION

Oral lowest dose (Rabbit): 1500mg/kg

Acute Health Effects:

Ingested: Will cause severe irritation and chemical burns to the gastrointestinal tract. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, swelling of the larynx and subsequent suffocation, perforation of the gastrointestinal tract, cardiovascular collapse and coma.

Eye: Corrosive to eyes; contact can cause corneal burns, possible permanent eye damage and blindness.

Skin: Will cause severe irritation and chemical burns in contact with the skin, which will result in itching, redness, swelling and tissue destruction.

Inhaled: Inhalation of mists will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema. Inhalation of mists at elevated temperature will increase the symptoms.

Chronic: Chronic effects are unlikely due to the severity of the acute effects.

12. ECOLOGICAL INFORMATION

Avoid contaminating the environment with concentrated material. Avoid disposal to natural waterways with concentrated non-neutralised solutions.

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority.

14. TRANSPORT INFORMATION

UN Number: 3266

Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

Dangerous Goods Class: 8

Subsidiary risk: N/A

Packing Group: II

Hazchem Code: 2X

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Road and Rail Transport: Classified as Dangerous Goods by criteria of the Australian Dangerous Goods Code for transport by road and rail.



15. REGULATORY INFORMATION

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Poisons Schedule: 6

16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS can not anticipate or control the conditions under which this information can be used, each user should review this information in the specific context of the intended application.

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