

SAFETY DATA SHEET



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: ADBRITE LA837

Synonyms: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains nitric acid and phosphoric acid)

Use: Cleaning and removing milk stone.

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.

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

Classification of the substance or mixture:

Oxidising Liquid – category 3

Skin Corrosion – category 1A

Skin Corrosion – category 1B

SIGNAL WORD: DANGER



Hazard Statement(s):

H272 – May intensify fire; oxidiser

H314 – Causes severe skin burns and eye damage.

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Precautionary Statement(s):

Prevention:

- P102 Keep out of reach of children.
- P103 Read label before use.
- P104 Read Safety Data Sheet before use
- P210 – Keep away from heat
- P220 – Store away from combustible materials
- P221 – Take any precaution to avoid mixing with combustible liquids
- P260 – Do not breathe mist/vapour/spray
- P264 – Wash hands thoroughly after handling
- P280 - Wear protective gloves/eye protection/ face protection.

Response:

- P370 + P378 – In case of fire: use water, water fog, CO₂, foam or dry agent.
- P301 + P3330 +P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P363 – Wash contaminated clothing before re-use
- P321 – Specific treatment (see First Aid Measures on Safety Data Sheet)
- P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 – Call a POISON CENTRE or doctor/physician if you feel unwell
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

- P405 – Store in a well-ventilated place. Keep cool.

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	Risk phrases
Nitric Acid	7697-37-2	10 - 30%	H272, H314
Phosphoric Acid	7664-38-2	10 - 30%	H314
Water	7732-18-5	To 100%	

4. FIRST AID MEASURES

Inhalation: Remove victim from exposure. Avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Give artificial respiration if needed. Seek medical attention.

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Skin Contact: Remove contaminated clothing and wash skin thoroughly with running water for at least 15 minutes. Seek medical attention.

Eye Contact: Immediately hold open eyes and flood with clean cold water for at least 15 minutes. Seek medical attention.

Ingestion: Immediately rinse mouth with water. Do NOT induce vomiting. Give plenty of water. Repeat if vomiting occurs. If patient is not conscious do NOT give anything by mouth. Seek medical attention.

Notes to Doctor: Treat symptomatically as for strong acid. Observation in hospital for 48 hours, or after a 48 hour time lapse, must be considered because of the possibility of delayed pneumonitis and pulmonary oedema.

5. FIRE FIGHTING MEASURES

Specific Hazards: Do not use water on the material itself. Cool containers involved in a fire with flooding quantities of water, and water spray to knock down fumes.

Fire fighting advice: Wear acid resistant splash suit with self contained breathing apparatus and gloves.

Fire Extinguishing Media: Use water, water fog, CO₂, foam or dry agent.

Hazchem Code: 2X

Flammability: Contact with combustible material may cause fire.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Handling advice: Open container cautiously, especially in hot weather. Avoid contact with the skin and eyes. Keep out of mouth. Wear gloves and an eye shield. Do not mix with substances that contain chlorine.

Storage advice: Store in a cool well ventilated place out of direct sunlight. Keep container closed at all times. Store away from dangerous when wet substances (Class 4.3), oxidising substances (Class 5), cyanides (Class 6), metals, alkalies, foodstuffs or foodstuff empties.

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8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits:

	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Nitric Acid	2	5.2	4	10.0
Phosphoric acid	-	1.0	-	3.0

Engineering Controls: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Wash hands before eating, smoking or using the toilet.

Personal Protection Equipment: Use chemical resistant clothing; barrier chemical resistant, latex, neoprene or PVC gloves; and safety goggles when handling and/or using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, undyed thin liquid with a sharp irritating odour.

Boiling Point: > 100°C

Melting Point: > 0°C

Flash Point: Non flammable

Vapour Pressure: 17 mm Hg @ 20°C

Vapour Density (Air = 1): >1

Flammability Limits: Non flammable

Specific Gravity: 1.1 to 1.2

pH (1% solution): <2

Solubility in water: Soluble in all proportions.

Corrosiveness: Corrosive to human tissue and corrosive to most metals.

10. STABILITY AND REACTIVITY

Stability: Stable when stored in sealed container at room temperature. Slow decomposition occurs at room temperature with formation of nitrogen oxides, which may colour the solution yellow or red.

11. TOXICOLOGICAL INFORMATION

Acute Health Effects:

Ingested: Causes burns to mouth, throat and gastrointestinal tract, abdominal pain, nausea, vomiting and diarrhoea.

Eye: Permanent injury, including burns and blindness, may result in contact with the eyes. Vapours may cause eye damage.

Skin: Causes burns, itching, redness, blistering, scaling and deep penetration burns to the skin.

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Inhaled: Spray mist can burn the nose, throat, lungs and digestive system.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. No bioaccumulation is expected.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and must be disposed of in accordance with all federal, E.P.A, state and local regulations.

14. TRANSPORT INFORMATION

UN Number: 3264

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

Dangerous Goods Class: 8

Subsidiary risk:

Packing Group: II

Hazchem Code: 2X

Road and Rail Transport: Classified as Class 8 Dangerous Goods by criteria of the Australian Code for the transport of Dangerous Goods by Road and Rail.



15. REGULATORY INFORMATION

Classification of the substance or mixture:

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SIGNAL WORD: DANGER



Hazard Statement(s):

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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 cannot 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.

ADVANCE CHEMICALS will not be responsible for any damage or loss of any nature resulting from the use of or reliance upon this information. No expressed or implied warranties are given other than those mandated by Commonwealth, State, or Territory legislation.

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