

SAFETY DATA SHEET



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: AMMONIA 25% LB390

Synonyms:

Use:

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, NON DANGEROUS GOODS.

Classification of the substance or mixture:

Skin corrosion – Category 1B

Hazardous to the aquatic environment (acute) – category 1

SIGNAL WORD: DANGER



Hazard Statement(s):

H314 – Causes severe skin burns and eye damage

H400 – Very toxic to aquatic life

Precautionary Statement(s):

Prevention:

P101 – If medical advice is needed, have product container or label at hand

P102 – Keep out of reach of children.

P103 Read label before use.

P104 Read Safety Data Sheet before use.

P260 – Do not breathe mist/vapour/spray

P264 – Wash hands thoroughly after handling

SAFETY DATA SHEET

P280 - Wear protective gloves/eye protection/ face protection P261 – Do not breathe fumes/gas/mist/vapours or spray.

Response:

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	
Ammonia	1336-21-6	10 – 30 %	R34
Water	7732-18-5	> 60%	

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. Keep at rest until fully recovered. If breathing is laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice.

Skin Contact: Remove contaminated clothing and wash before re-use. Wash affected areas with plenty of water. If swelling, redness, blistering or irritation occurs seek medical advice.

Eye Contact: Hold eyes open and flood with water for at least 15 minutes. Urgently seek medical attention.

Ingestion: Immediately rinse mouth with water. If swallowed do NOT induce vomiting. Give a glass of water. Get medical attention.

SAFETY DATA SHEET

Notes to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Specific Hazards: Not combustible, however may form flammable mixtures with air.

Fire-fighting advice: Fire fighters should wear self contained breathing apparatus if risk of exposure to product of combustion or decomposition.

Suitable Extinguishing Media: Water Fog (or if unavailable, fine water spray), Foam or Dry Agent (carbon dioxide, dry chemical powder).

Hazchem Code: 2R

Flammability: Non combustible material

6. ACCIDENTAL RELEASE MEASURES

Contain, do not allow product to enter drains and waterways. Use absorbent ie; sand, soil or other inert material. Collect and seal in properly labelled drums for disposal to an Approved Trade Waste Facility.

7. HANDLING AND STORAGE

Handling advice: Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a 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: Store in a cool, dry place away from direct sunlight. Store in a well ventilated area. Keep containers closed when not in use.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits: TWA (ammonia) = 25 ppm (17mg/m³)
STEL (ammonia) = 35 ppm (24mg/m³)

Engineering Controls: Maintain air concentrations below recommended exposure standards. Use with local ventilation or while wearing respirator or air supplied mask. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Personal Protection Equipment: Avoid all contact. Wear safety goggles/glasses, chemically resistant P.V.C or nitrile gloves, protective clothing and protective footwear.

If mists/vapours exist, wear a particulate/mist type respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Use adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colourless, clear liquid, with an ammonia odour.

Boiling Point: - 33°C

Melting Point: Not available

Flash Point: Non Flammable

Vapour Pressure: 96 kPa @ 20°C.

Vapour Density (Air = 1): 0.6

Flammability Limits: Non Flammable

Specific Gravity: 0.887

pH (neat): 11 - 12

Solubility in water: Soluble in all proportions

Corrosiveness: Corrosive.

10. STABILITY AND REACTIVITY

Stability: Stable when stored under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute Health Effects:

Ingested: Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, swelling of the larynx and subsequent suffocating, perforation of the gastrointestinal tract, cardiovascular collapse and coma.

Eye: A severe eye irritant, contamination of eye can result in permanent injury. Corrosive to the eyes, contact can cause corneal burns.

Skin: Contact with skin will result will result in severe irritation. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Corrosive to skin, may cause skin burns.

Inhaled: Inhalation of mists will result in respiratory irritation. Inhalation at high concentrations may cause severe breathing difficulties, chest pain and lung damage including pulmonary oedema possibly leading to death.

Chronic: Chronic exposure can result in bronchitis.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

SAFETY DATA SHEET



13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority.

14. TRANSPORT INFORMATION

UN Number: 2672

Proper Shipping Name: AMMONIA SOLUTION

Dangerous Goods Class: 8

Subsidiary risk: N/A

Packing Group: III

Hazchem Code: 2R

Road and Rail Transport: Classified as Class 8 (CORROSIVE LIQUID) Dangerous Goods for the purpose of transport via road and rail.

15. REGULATORY INFORMATION

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Poisons Schedule: 6

SAFETY DATA SHEET



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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