

Material Safety Data Sheet

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**MATERIAL SAFETY DATA SHEET**
AMMONIA SOLUTION 0.88 SG CP

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EUROLAB SUPPLIES LTD

UNIT 30

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1. IDENTIFICATION OF CHEMICAL

Chemical name: AMMONIA SOLUTION 0.88 SG CP**Stock code:** CA3522/P08 CH001

2. COMPOSITION

Composition: 35% approx.

3. HAZARD IDENTIFICATION

Main hazards: Causes burns. Irritating to the respiratory system.

4. FIRST AID MEASURES

Skin contact: In the case of skin contact, flood the splashed area with large amounts of running water.**Eye contact:** If the substance has entered the eyes, wash out with water or saline solution for at least 15 minutes.**Ingestion:** If the chemical has been confined to the mouth, give large quantities of water as a mouth wash. Ensure the mouth wash is not swallowed. If the chemical has been swallowed, give about 250ml water to dilute it in the stomach. In severes cases seek medical attention.**Inhalation:** Remove the casualty out of the danger area after first ensuring your own safety. Loosen the patient's clothing. If the casualty is unconscious, place in the recovery position and monitor breathing. Apply artificial respiration only if patient is not breathing. Seek medical attention when anyone has symptoms apparently due to swallowing or inhalation.

5. FIRE FIGHTING MEASURES

Exposure hazards: Material is not flammable but is combustible. Keep containers cool by spraying with water if exposed to fire.

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Suitable extinguisher: Extinguish with water spray, dry powder, carbon dioxide or vapourising liquid.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear self-contained breathing apparatus, boots and gloves particularly when handling large amounts.

Leaks & spills: Absorb into dry earth or sand. Transfer to a closable salvage container for disposal by an appropriate method or retain for recovery.

Clean-up procedures: Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Wear eye protection and gloves. Use only under a fume extraction hood or in a fume cupboard.

Storage precautions: Store in a cool, dry, well ventilated area well away from heat or other sources of ignition. Keep away from acids, combustible materials and oxidising agents. Ensure that pressure is released slowly.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection: Wear self-contained breathing apparatus, boots and gloves particularly when handling large amounts.

Exposure limits: 25 ppm for ammonia gas - TWA

Type: INH-RAT LD50

Toxicity: 1.4 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical formula: NH₃

Appearance and odour: Clear colourless liquid with a pungent odour.

Solubility: Completely miscible with water.

Boiling point/range°C: 16

Melting point/range°C: -94

Explosive limits: lower: gas 15

upper: 29

Flash point°C: Combustible gas.

Vapour pressure: 330 mm 0.5°C

Relative density: 0.880

10. STABILITY AND REACTIVITY

Stability: Stable.

Avoid contact with: Acids, combustible materials and oxidising agents. Keep away from heat and other

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sources of ignition.

11. TOXICOLOGICAL INFORMATION

Health effects: Skin: The liquid is extremely destructive to skin tissue. In contact with skin this substance causes severe burns accompanied by blistering and peeling.

Eyes: The liquid is extremely destructive to eyes. In severe cases it will cause corneal burns which may result in impairment or loss of sight.

Inhalation: Harmful if inhaled. Inhalation of the vapour will cause irritation and damage to the lining of the air passages. Symptoms may include coughing, wheezing, laryngitis, shortness of breath and headaches.

Ingestion: Harmful if swallowed. If swallowed there is immediate severe irritation and damage. Symptoms include headache, nausea and vomiting.

12. ECOLOGICAL EFFECTS

Ecotoxicity: Toxic to aquatic organisms and fish.

Persistence: Low potential to bioaccumulate. Biogradability data not available.

Appraisal: Data not available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Small quantities may be washed away with large amounts of water. Large amounts are best dealt with by a specialist disposal company.

14. TRANSPORT INFORMATION**IMDG code**

UN no: 2672

Packing group: III

Class: 8

ADR / RID

Subst.ID no: 2672

Class+Item no: 8,43 (c)

IATA / ICAO

UN no: 2672

15. REGULATORY INFORMATION

Classification: Corrosive

Risk phrases: R34: Causes burns.

R37: Irritating to the respiratory system.

Safety phrases: S7: Keep container tightly closed.



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S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S1/2: Keep locked up and out of the reach of children.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

16. ADDITIONAL INFORMATION

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.
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These sheets were produced using the EcoSci software.

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