

# Material Safety Data Sheet



## Section 1. Chemical Product and Company Identification

Product Name Ammonium Hydroxide	Product Code 05870-16
Manufacturer's Name StatLab Medical Products, Inc.	Emergency Telephone Number 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 407 Interchange st.  McKinney Tx 75071	Telephone Number for Information 800-442-3573 x 2  Date Prepared 3/19/2003 (Rev 10/06)  Signature of Preparer (optional)

## Section 2. Composition/Information on Ingredients

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Ammonium Hydroxide	1336-21-6	50ppm	25ppm		30%
Water, Deionized	7732-18-5				Balance

## Section 3. Hazards Identification

### Emergency Overview

The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organ damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

### Potential Health Effects

**Eye** Extremely hazardous in case of eye contact. May produce tissue damage on mucous membranes of eyes. Inflammation of the eye is characterized by redness, watering, and itching.

**Skin** Very hazardous in case of skin contact. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Ingestion** Very hazardous in case of ingestion. Liquid or spray mist may produce tissue damage on the mouth.

**Inhalation** Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath.

**Chronic/Carcinogenicity** Not available

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Teratology Not available

Reproduction Not available

Mutagenicity Not available

## Section 4. First Aid Measures

**Eye** Check for and remove contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use eye ointment. Seek medical attention.

**Skin** If the chemical got onto the clothed portion of the body, remove the contaminated clothing as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical got on the victim's exposed skin, such as hands, gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**FOR SERIOUS SKIN CONTACT:** Wash with a disinfecting soap and cover the contaminated area with an anti-bacterial cream. Seek immediate medical attention.

**Ingestion** Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested.; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**Inhalation** Allow the victim to rest in a well ventilated area. Seek medical attention.

**SERIOUS INHALATION:** Evacuate the victim to a safe area as soon as possible. Loosen tight clothing, If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

**All Other Means of Exposure** CONTACT POISON CONTROL CENTER IMMEDIATELY. Be prepared to provide hazardous ingredient information from Section 2.

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## Section 5. Fire Fighting Measures

Flammable Properties Flash Point N/A Method \_\_\_\_\_

Flammable Limits Lower N/A Upper \_\_\_\_\_

Autoignition Temperature N/A

Hazardous Combustion Products Not available

Extinguishing Media \_\_\_\_\_

Fire Fighting Instructions Not applicable

## Section 6. Accidental Release Measures

Small Spill Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary, neutralize the residue with a dilute solution of acetic acid.

Large Spill Corrosive liquid. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of acetic acid.

## Section 7. Handling and Storage

Handling Keep container dry. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or label. Avoid contact with skin and eyes.

Storage Corrosive materials should be stored in a separate safety storage cabinet or room.

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## Section 8. Exposure Controls, Personal Protection

Engineering Controls Provide exhaust ventilation or other controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Ensure that eyewash stations and safety showers are proximal to the workstation location.

Respiratory Protection Use a self contained breathing apparatus should be used to avoid inhalation of the product.

Skin Protection Full suit, face shield, gloves and boots.

Eye Protection Safety goggles

## Permissible Exposure Levels (see also Section 2)

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Ammonium Hydroxide	1336-21-6				30%

## Section 9. Physical and Chemical Properties

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	0.0898
Vapor Pressure (mm Hg)	475	Melting Point	Decomposes
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	
Solubility in Water	Easily soluble in cold water	Physical State	Liquid
Appearance and Odor	N/A	Other	

## Section 10. Stability and Reactivity

Chemical Stability Stable

Incompatibility N/A

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Hazardous Decomposition Products

Hazardous Polymerization

## Section 11. Toxicological Information

Route of Entry: Eye contact, inhalation, ingestion.

Toxicity to Animals Acute oral toxicity (LD50): 350 mg/kg [Rat]

Chronic Effect/Humans See Section 3

## Section 12. Ecological Information

Possible hazardous short term degradation products are not likely. However, long term degradations products may arise.

Products of degradation are more toxic.

## Section 13. Disposal Considerations

Recycle to process, if possible. Consult you local or regional authorities.

## Section 14. Transport Information

DOT SHIPPING NAME: Ammonia Solution

US DOT (domestic ground) Ammonia Solution, 8, III, UN2672

IATA (air) Ammonia Solution, 8, III, UN2672

NOTE: It is ultimately the shippers responsibility to make hazard class determination based on their best information available.

## Section 15. Regulatory Information

## Section 16. Other Information

NFPA Ratings: Health: 3 Flammability: 0 Reactivity: 0 Special Notice Key: None

HMIS® Ratings: Health: 3 Flammability: 0 Reactivity: 0 Protective Equipment: 0

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration to its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and STATLAB MEDICAL PRODUCTS, INC. assumes no legal responsibility or liability whatsoever resulting from its use.

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