

Material Safety Data Sheet



Section 1. Chemical Product and Company Identification

Product Name Hydrochloric Acid	Product Code 33780
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 3/25/2002 (rev11/06)
	Signature of Preparer (optional)

Section 2. Composition/Information on Ingredients

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Hydrogen chloride	7647-01-0	5 ppm	5 ppm	7.5	37
Water	7732-18-5				63

Section 3. Hazards Identification

Emergency Overview

The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure can produce target organ damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and 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 Liquid or spray mist may produce tissue damage on mucous membranes of eyes. Inflammation is characterized by redness, watering and itching.

Skin skin contact may produce burns. Inflammation is characterized by itching, scaling, reddening or blistering.

Ingestion May produce tissue damage on the mouth.

Inhalation May produce severe irritation of respiratory tract characterized by coughing, choking or shortness of breath.

Chronic/Carcinogenicity N/A

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

Teratology N/A

Reproduction N/A

Mutagenicity N/A

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Section 4. First Aid Measures

Eye Check for and remove contact lenses. Immediately flush 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.

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 N/A

Extinguishing Media N/A

Fire Fighting Instructions N/A

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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 sodium carbonate.

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 sodium carbonate. Be careful that the product is not present at a concentration level above TLV.

Section 7. Handling and Storage

Handling Keep container dry. Do not ingest. Do not breathe gas/fumes/vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or label. Avoid contact with skin and eyes. Keep away from incompatibles such as metals, alkalis.

Storage May corrode metallic surfaces. Store in a metallic or coated fiberboard drum using a strong polyethylene inner package. Corrosive materials should be stored in a separate safety storage cabinet or room.

Section 8. Exposure Controls, Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash and safety showers are proximal to the work-station location.

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

Skin Protection Boots, gloves and full suit.

Eye Protection Face shield

Permissible Exposure Levels (see also Section 2)

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Section 9. Physical and Chemical Properties

Boiling Point	212° F	Specific Gravity (H2O = 1)	1.19
Vapor Pressure (mm Hg)	17.535	Melting Point	N/A
Vapor Density (AIR = 1)	0.62	Evaporation rate (Butyl Acetate = 1)	
Solubility in Water	Physical State Liquid		
Soluble in cold water, hot water, methanol			
Appearance and Odor	Other		
Strong; colorless to light yellow			

Section 10. Stability and Reactivity

Chemical Stability	Stable
Incompatibility	Highly reactive with metals, alkalis.
Hazardous Decomposition Products	
Hazardous Polymerization	Will not occur

Section 11. Toxicological Information

The substance is extremely destructive to tissue of the mucous membranes and upper respiratory tract.

Section 12. Ecological Information

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

Section 13. Disposal Considerations

Consult local or regional authorities.

Section 14. Transport Information

US DOT (domestic ground) Hydrochloric acid, 8, UN1789, II

IATA (air) Hydrochloric acid, 8, UN1789, II

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: 0 Flammability: 0 Reactivity: 0 Protective Equipment: B
(protective eyewear and gloves)

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.