

Manufactured exclusively for:  
**Parter Medical Products, Inc.**

By:  
Medical Chemical Corp.  
1909 Centinela Ave.  
Santa Monica, CA 90404

Phone: (310) 829 4304  
Fax: (310) 453 1212



**MSDS For Hydrochloric Acid, 6.0N**

**Catalog # 320A**

MSDS 126912-APRIL 05- REV 01

The following information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.

### Section 1 - Shipping Data

*Description:* An aqueous solution of hydrochloric acid.

*DOT Shipping name:* hydrochloric acid

*Telephone Number for Information:* (310)829-4304

*DOT Hazard Class:* corrosive

*Emergency Telephone Number:* (800)424-9300

*DOT Identification Number:* UN1789

*Prepared By:* P.B. *Date:* Dec. 9, 2004

### Section II - Hazardous Ingredients/Identity Information

<i>Ingredients</i>	<i>CAS#</i>	<i>OSHA Pel</i>	<i>ACGIH TLV</i>	<i>%</i>
hydrochloric acid	7647-01-0	5 ppm (CEIL)	5 ppm (CEIL)	22% w/v

### Section III - Physical/Chemical Characteristics

*Boiling Point:* 100°C

*Specific Gravity:* 1.1

*Vapor pressure (mm Hg):* 18 @ 20° C

*Evaporation Rate (water = 1):* 1

*Vapor Density (air = 1):* 0.6

*Solubility In Water:* Complete

*Appearance and Odor:* Clear colorless solution. Pungent odor.

### Section IV - Fire and Explosion Hazard Data

*Flash Point (method used):* Not applicable

*Flammable Limits:* Not applicable

*Extinguishing Media:* Not applicable.

*Special Fire Fighting Procedures:* Not applicable

*Unusual Fire And Explosion Hazards:* Pyrolysis will release corrosive hydrogen chloride vapor.

## Section V - Reactivity Data

*Stability:* The material is stable

*Conditions To Avoid:* Heat

*Incompatibilities:* Nothing unusual.

*Precautions To Be Taken In Handling And Storage:* Store at room temperature.

## Section VI - Health Hazard Data

<i>Routes of Entry</i>	<i>Inhalation?</i>	<i>Skin?</i>	<i>Ingestion?</i>
	no	no	yes

*Health Hazards (Acute and Chronic):* Hydrogen chloride is corrosive to skin, eyes and mucous membranes. The vapor is extremely irritating. Inhalation can cause damage to nasal and respiratory systems.

<i>Carcinogenicity?</i>	<i>NTP?</i>	<i>IARC Monographs?</i>	<i>OSHA Regulated</i>
no	no	no	yes

*Signs and Symptoms Of Exposure:* Irritation of skin or mucous membranes.

*Medical Conditions Generally Aggravates By Exposure:* Asthma or other pulmonary disorders may be aggravated by exposure to hydrogen chloride.

*Emergency And First Aid Procedures:* In case of eye contact, flush with water for at least 15 minutes and get medical attention. In case of skin contact, remove contaminated clothing and flush with water. Get medical attention if irritation persists. In case of ingestion do not induce vomiting. Get immediate medical attention even if symptoms improve.

## Section VII - Precautions For Safe Handling And Use

*Steps To Be Taken In Case Of Spill Or Release:* Absorb with a suitable absorbent (such as paper towels) and dispose.

*Waste Disposal Method:* May usually be neutralized with sodium bicarbonate and flushed down drain with excess water, however local ordinances vary. Insure compliance with all government regulations.

## Section VIII - Control Measures

*respiratory Protection:* Usually not required.

*Ventilation:* Ordinary general ventilation is usually sufficient.

*Protective Gloves:* Not required.

*Eye Protection:* Laboratory safety goggles or similar products are recommended as part of good laboratory practice.

*Other protective Clothing Or Equipment:* Not required.

*Work/hygienic Practices:* Wash well after handling, especially before eating or smoking.