



## SAFETY DATA SHEET

### Section 1: Chemical Product and Company Identification

**Product name:** Hydrochloric Acid 37%

**Product Code:** HCL

**Chemical Use:** Not Available

**Date Prepared:** 4/15/15

**Supersedes:** New

**Restrictions on use:** Use in accordance with all Federal, State and local regulations.

**Company Identification:** Streamline Supply Inc.  
460 N. 1000 W.  
Centerville, Utah 84014

**Distributed by:** Streamline Supply Inc.  
460 N. 1000 W.  
Centerville, Utah 84014

**Emergency Telephone Numbers:** **For Transportation Emergency:** PERS (800) 633-8253  
**For Medical Emergency:** PERS (800) 633-8253 or (877) 350-5426  
**For SDS or other information:** (877) 350-5426 or (801) 294-2980  
**Email:** [info@streamlinesupply.com](mailto:info@streamlinesupply.com)  
**Fax:** (801) 294-2626

### Section 2: Hazard(s) Identification

**GHS Classification:** **Acute toxicity (Oral):** Category 4

**Acute toxicity (Dermal):** Category 4

**Skin corrosion/irritation:** Category 1A

**Serious Eye Damage/Eye Irritation:** Category 1

#### GHS Label element

**Hazard pictograms:**



**Signal Word:** DANGER

**Hazard Statements:**

Causes severe skin burns and eye damage.  
Harmful if swallowed or in contact with skin.  
May cause respiratory irritation.

#### PRECAUTIONARY STATEMENTS:

**Prevention:** Avoid breathing dust, fumes, gas, mist, vapors and spray.  
Wear protective gloves, protective clothing, face and eye protection.  
Do not get in eyes, on skin, or on clothing.  
Do not eat, drink, or smoke when using this product.  
Keep only in original container.  
Use outdoors or in a well-ventilated area.  
Use personal protective equipment as required.

**Section 2: Hazard(s) Identification (continued)**

- Response:**
- IF INHALED:** Remove person to fresh air and keep comfortable for breathing.
  - IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical attention.
  - IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse with water.
  - IF SWALLOWED:** Call a physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.  
Immediately call a doctor or poison center. Wash contaminated clothing before reuse.
- Storage:** Store in a closed container. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a dry place.
- Disposal:** Dispose of contents/container in accordance with Federal, State, and local regulations.

**Other hazards which do not result in GHS classification:** No Data

**Section 3: Composition/Information on Ingredients**

<b>CHEMICAL NAME</b>	<b>CAS NUMBER</b>	<b>% BY WEIGHT</b>
Water	7732-18-5	>= 63% - <= 98%
Hydrochloric acid	7647-01-0	>=2% - <=37%

**Section 4: First Aid Measures****First Aid Procedures:**

**EYE CONTACT:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

**IF ON SKIN:** Wash with plenty of water (for at least 15 minutes) while taking off contaminated clothing and shoes. Wash these before reuse. Get medical attention immediately.

**INHALATION:** Moved exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. If vomiting occurs, the head should be kept low so vomit does not enter the lungs. Get medical attention immediately.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** No data available.

## Section 5: Fire-Fighting Measures

**General fire hazards:** No data available.

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from chemical:** No data available.

**Special protective action for fire-fighters:** As in any fire, always wear self-contained breathing apparatus in pressure-demand (MSA/NIOSH approved or equivalent), and full protective gear. Use water spray or fog to cool exposed containers.

**Specific Explosion Hazards:** If in fire or heated, a pressure increase will occur and the container may burst.

## Section 6: Accidental Release Measures

### Steps to Take in Case Material Is Released or Spilled:

#### Personal precautions, protective equipment and emergency procedures:

##### For non-emergency personnel:

Evacuate unnecessary personnel. Always use proper personal protective equipment as described in section 8. Avoid run-off into storm sewers and ditches that lead to waterways. Use inert material such as clay or diatomaceous earth to contain spill. Use these products to soak up material or mop or vacuum up spill and rinse with water.

##### For emergency responders:

Wear proper protection during cleanup. Ventilate area.

Avoid run-off into storm sewers and ditches that lead to waterways. Use inert material such as clay or diatomaceous earth to contain spill.

Contain spilled material for disposal according to Federal, State, and local regulations.

## Section 7: Handling and Storage

**Precautions:** Always use proper personal protective equipment as required. Container must be kept tightly closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse. Do not ingest. Do not reuse container. Observe label precautions and direction for use.

**Storage:** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Keep away from food and drinks. Store between 40° F- 120° F. Keep out of reach of children and pets. Keep in a tightly closed container.

## Section 8: Exposure Controls/Personal Protection

### Exposure Limits

**Product Name:** Hydrochloric Acid

**CAS #:** 7647-01-0

**OSHA Table Z-1 Limits for Air Contaminates (29 CFR 1910.1000) (02/2006)**

**Ceiling:** 5 ppm

**US NOISH: Pocket Guide to Chemical Hazards (2010)**

**Ceil\_time:** 5 ppm

**US. ACGIH TLV (United States 3/2013)**

**Ceiling:** 2 ppm

**Section 8: Exposure Controls/Personal Protection (continued)****Engineering Controls**

**Engineering Measures:** Facilities storing or using the material should be equipped with eyewash station and safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Individual Protection**

**Personal Protective Equipment (PPE):** Wear personal protective equipment as required including chemical goggles or appropriate eye protection. Use appropriate protective gloves and protective clothing to prevent skin exposure. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits are use appropriate respiratory protection.

**Respiratory Protection:** A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever possible. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**Section 9: Physical Data**

**Appearance:** liquid

**Odor:** No data available

**Odor Threshold:** No data available

**pH:** 2

**Melting/freezing Point:** -34 - -15 °C

**Initial boiling point and boiling range:** 60 – 105 °C

**Flash Point:** No data available

**Evaporation Rate:** No data available

**Upper /lower flammability or**

**Explosive Limits:** No data available

**Vapor Pressure:** No data available

**Vapor Density (Air =1):** No data available

**Relative density:** No data available

**Weight/gallon:** 8.5 to 9.7 lbs.

**Solubility in Water:** Soluble in water

**Partition coefficient**

**n-octanol/water):** No data available

**Auto-ignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

**Section 10: Stability and Reactivity**

**Reactivity:** No data available

**Stability:** No data available

**Conditions to Avoid:** Extreme high or low temperatures.

**Incompatibility With Various Substances:** No data available

**Hazardous Decomposition Products:** No data available

**Section 11: Toxicological Information****Symptoms related to the physical, chemical and toxicological characteristics**

**Ingestion:** No data available

**Inhalation:** No data available

**Skin contact:** No data available

**Eye contact:** No data available

**Information on toxicological effects****Acute Toxicity (list all possible routes of exposure)****Oral**

**Product:** ATEmix(): 900 mg/kg

**Dermal**

**Product:** ATEmix(): 1,449 mg/kg

**Inhalation**

**Product:** No data available

**Specified Substance(s):**

Hydrochloric Acid LC50 (Rat, 1h): 3,124 mg/l

**Repeated dose toxicity**

**Product:** No data available

**Skin corrosion/ irritation**

**Product:** No data available

**Serious eye damage/eye irritation**

**Product:** No data available

**Respiratory or skin sensitization**

**Product:** No data available

**Carcinogenicity**

**Product:** No data available

**IARC Monographs on Evaluation of Carcinogenic Risk to Humans:**

No carcinogenic components identified.

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified.

**Germ cell mutagenicity****In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific target organ toxicity-single exposure** - **Product:** No data available.

**Specific target organ toxicity-repeated exposure** - **Product:** No data available.

**Aspiration hazard** - **Product:** No data available.

**Other effects** - **Product:** No data available.

**Section 12: Ecological Information****Ecotoxicity:****Acute hazards to the aquatic environment:**

**Fish** - Product: No data available.

**Specified substance(s):**

Hydrochloric Acid LC50 (Western mosquitofish (*Gambusia affinis*), 24 h): 282 mg/l Mortality  
LC50 (Western mosquitofish (*Gambusia affinis*), 48 h): 282 mg/l Mortality  
LC50 (Western mosquitofish (*Gambusia affinis*), 96 h): 282 mg/l Mortality

**Aquatic invertebrates**

Product: No data available.

**Specified substance(s):**

Hydrochloric Acid LC50 (Green or European shore crab (*Carcinus maenas*), 48 h): 240 mg/l  
Mortality LC50 (Common shrimp, sand shrimp (*Crangon crangon*), 48 h): 260  
mg/l Mortality

**Chronic hazards to aquatic environment:**

**Fish** - Product: No data available.

**Aquatic invertebrates** - Product: No data available.

**Toxicity to Aquatic Plants** - Product: No data available.

**Persistence and degradability**

**Biodegradation** - Product: No data available.

**BOD/COD ratio** - Product: No data available.

**Bio accumulative potential**

**Bioconcentration factor (BCF)** - Product: No data available.

**Partition coefficient n-octanol /water (log Kow)** - Product: No data available.

**Mobility in soil** - Product: No data available.

**Known or predicted distribution to environmental compartments**

Water: No data available.

**Section 13: Disposal Information**

**Disposal Considerations:** Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of this product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions found in 40 CFR 261.3. Dispose of container and unused contents in accordance with federal, state and local requirements.

**Section 14: Transportation Information**

**Ground – DOT (US) Proper Shipping Name:** Hydrochloric acid solution

**U.N. Number:** UN1789

**Marine Pollutant:** Not regulated.

**Special precaution for user:** No data available.

**Hazard Class:** 8

**Packaging Group:** II

## Section 15: Regulatory Information

### US federal regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Hydrochloric acid Reportable quantity: 5000 lbs.

### Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories – Not listed

### SARA 302 Extremely hazardous substance

Chemical identity	RQ	Threshold Planning Quantity
Hydrochloric Acid	5000 lbs.	500 lbs.

### SARA 304 Emergency release notification

Chemical identity	RQ
Hydrochloric Acid	5000 lbs.

### SARA 311/312 Hazardous Chemical

Chemical identity	Threshold Planning Quantity
Hydrochloric Acid	500 lbs.

### SARA 313 (TRI reporting)

Chemical identity	Reporting threshold for other users	Reporting threshold for manufacturing and processing
Hydrochloric acid	10,000 lbs.	25,000 lbs.

### Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

Hydrochloric acid Reportable quantity: 5000 lbs.

### Clean Air Act (CAA) Section 112 (r) Accidental Release Prevention (40 CFR 68.130):

Hydrochloric acid Threshold quantity: 15,000 lbs.  
Hydrochloric acid Threshold quantity: 5,000 lbs.

### US state regulations

#### US California Proposition 65

No ingredients regulated by CA Prop 65 present.

#### New Jersey Worker and Community Right-to Know Act

Hydrochloric acid Listed

#### US Massachusetts RTK- Substance List

Hydrochloric acid Listed

#### US Pennsylvania RTK – Hazardous Substances

Hydrochloric acid Listed

#### US Rhode Island RTK

Hydrochloric acid Listed

## Section 16: Other Information

### Hazardous Materials Identification System (HMIS)

**NOTE:** HMIS ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. These ratings are based on the inherent properties of this chemical under expected conditions of normal use and are not intended to be used in emergency situations. PPE is determined by the user based on their needs and conditions.

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>1</b>
<b>PERSONAL PROTECTION</b>	<b>H</b>

### National Fire Protective Association (NFPA)

**NOTE:** NFPA ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. They are for use by emergency personnel to address the hazards that are presented by short term, acute exposure to this product under fire, spill, or similar emergencies. Ratings involve data and interpretations that may vary from company to company.



#### OVERVIEW

This information was compiled from current manufacturer's SDS's of the component parts of the product.

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