



1121 5<sup>th</sup> Street NW  
Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 3  
Revision Date 05/14/2025

### PRODUCT AND COMPANY IDENTIFICATION

Product name:	Hydrochloric acid	Telephone:	1-800-338-6835
Product Number:			or 202-370-1500
Brand:	Edvotek	Fax:	202-370-1501
Supplier:	Edvotek	Emergency Phone # (For both supplier	
1121 5 <sup>th</sup> Street NW		and Manufacturer):	
Washington, DC 20001			202-370-1500

### HAZARDS IDENTIFICATION

#### Emergency Overview

#### GHS Classification

Corrosive to metals (1)  
Skin corrosion (1B)  
Serious eye damage (1)  
Specific target organ toxicity - single exposure (3)  
Respiratory system

#### Signal word

Danger

#### Pictograms



#### Hazard statement(s)

**H290** May be corrosive to metals.  
**H314** Causes severe skin burns and eye damage.  
**H335** May cause respiratory irritation.

**Precautionary statement(s)****P234** Keep only in original container.**P261** Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.**P264** Wash skin thoroughly after handling.**P271** Use only outdoors or in a well-ventilated area.**P280** Wear protective gloves/ protective clothing/ eye protection/ face protection.**P301 + P330 + P331** IF SWALLOWED: rinse mouth. Do NOT induce vomiting.**P303 + P361 + P353** IF ON SKIN (or hair): Remove/ Take off immediately all contaminated **clothing. Rinse skin with water/ shower.****P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a position **comfortable for breathing.****P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

**P310** Immediately call a POISON CENTER or doctor/ physician.**HMIS Classification:**

Health hazard: 3

Flammability: 0

Physical hazard: 0

**NFPA Rating:**

Health hazard: 3

Fire: 0

Reactivity Hazard: 0

**Potential Health Effects:****Inhalation** Harmful if inhaled. May cause respiratory tract irritation.**Skin-** Harmful if absorbed through skin. May cause skin irritation.**Eyes-** Causes eye irritation.**Ingestion-** Harmful if swallowed.**COMPOSITION/INFORMATION ON INGREDIENTS****Formula :** HCl**Molecular Weight :** 36.46 g/mol

Chemical name	EC No.	CAS -No	Concentration
Hydrochloric acid	231-595-7	7647-01-0	0.5 M

## FIRST AID MEASURES FIREFIGHTING MEASURES

### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

### **In case of skin contact**

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

### **Conditions of flammability**

Not flammable or combustible.

### **Suitable extinguishing media**

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

### **In case of eye contact**

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

### **Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **Hazardous combustion products**

No data available.

## ACCIDENTAL RELEASE MEASURES

### **Personal precautions**

Prevent skin/eye contact. Use personal protective equipment as needed.

### **Environmental precautions**

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

### **Methods and materials for containment and cleaning up**

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

## HANDLING AND STORAGE

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### Incompatible storage

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Bases, Amines, Alkali metals, Metals, permanganates

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

#### Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

#### Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

## PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form            liquid  
Colour        no color

### Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

## STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No further relevant data available.

### Conditions to avoid

No further relevant data available.

### Materials to avoid

Bases, Amines, Alkali metals, Metals, permanganates

**Hazardous decomposition products**

No data available

**TOXICOLOGICAL INFORMATION****Acute toxicity****Oral LD50**

no data available

**Inhalation LC50**

no data available

**Dermal LD50**

no data available

no data available

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

In vitro tests showed mutagenic effects

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**DISPOSAL CONSIDERATIONS****Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

**Contaminated packaging**

Dispose of as unused product.

**TRANSPORT INFORMATION****DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**REGULATORY INFORMATION****OSHA Hazards**

Corrosive to metals (1)

Skin corrosion (1B)

Serious eye damage (1)

Specific target organ toxicity - single exposure (3)

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

No SARA Hazards

**OTHER INFORMATION**

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

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