



**1. PRODUCT AND COMPANY IDENTIFICATION**

**1.1. Product Identifiers**

Product code 0003  
Product name 1.0 N Hydrochloric Acid

**1.2. Alternate product names** None

**1.3. Relevant identified uses of the substance or mixture and used advised against**

Identified Uses Used in acid base titrations as well as a strong solvent.

**1.4. Details of the supplier of the safety data sheet**

Manufacturer WET International  
316 Roma Jean Parkway, Streamwood, IL USA 60107  
(630) 540-2113

**1.5. Emergency telephone number**

Emergency phone# Infotrac: (800) 535-5053

**2. HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

Corrosive to metals (Category 1), H290  
Skin corrosion (Category 1B), H314  
Serious eye damage (Category 1), H318

**2.2. GHS Label elements, including precautionary statements**



Pictogram:  
Signal Word: Danger

Hazard Statement(s)  
H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

Precautionary Statement(s)  
P234 Keep only in original container.  
P264 Wash skin thoroughly after handling.  
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.

P321 Specific treatment (see supplemental first aid instructions on this label).

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

P405 Store locked up.

P406 Store in corrosive resistant stainless steel container with a resistant inner liner.

P501 Dispose of contents/ container to an approved waste disposal plant.

**2.3. Hazards not otherwise classified (HNOC) or not covered by GHS**

None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substance/Mixture**

Chemical	CAS No.	Percentage	Classification	Other Limits
Hydrochloric Acid	7647-01-0	<5	Met. Corr. 1; Skin Corr. 1B; Eye Dam. 1; STOT SE 3; H290, H314, H335	

**4. FIRST AID MEASURES**

**4.1. Description of first aid measures**

**Inhalation**

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

**Ingestion**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Skin Contact**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician

**Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.



**4.2. Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (section 2) and/or in section 11.

**4.3. Indication of any immediate medical attention and special treatment needed**

No data available

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**5. FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

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

**5.2. Special hazards arising from the substance or mixture**

Hydrogen chloride gas

**5.3. Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary

**5.4. Further information**

No data available

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**6. ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

**6.2. Environmental precautions**

Do not let product enter drains

**6.3. Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**6.4. Reference to other sections**

See section 8 and 13 for further information

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**7. HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Avoid inhalation of vapour or mist.

For precautions see section 2.2.

**7.2. Conditions for safe storage, including any incompatibilities**



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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

See section 3.

### 8.2. Exposure controls

#### Appropriate engineering controls

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

#### Personal protective equipment

##### Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact - Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 480 min

Material tested: Camatril<sup>®</sup> (KCL 730 / Aldrich Z677442, Size M)

Splash contact - Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 120 min

Material tested: Dermatril<sup>®</sup> (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

##### Body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.



If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available

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## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

no data available

### 10.4. Conditions to avoid

no data available

### 10.5. Incompatible materials

Bases, Amines, Alkali metals, Metals

### 10.6. Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5



## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

**Acute toxicity**

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**

No data available

**Carcinogenicity**

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrochloric acid)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

No data available.

**Specific target organ toxicity – single exposure**

No data available.

**Specific target organ toxicity – repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Additional information**

No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## 12. ECOLOGICAL INFORMATION

### 12.1. Ecotoxicity (Aquatic and Terrestrial)

No data available.

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

No data available.



**12.4. Mobility in soil**

No data available.

**12.5. Other adverse effects**

No data available.

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**13. DISPOSAL CONSIDERATIONS**

**13.1. Disposal methods**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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**14. TRANSPORT INFORMATION**

**14.1. DOT (U.S. Department of Transportation)**

UN number	1789
UN proper shipping name	Hydrochloric acid
Transport hazard class(es)	8
Packing group	III
Reportable Quantity (RQ)	
Marine Pollutant	No
Poison Inhalation Hazard	No

**14.2. IMDG (International Maritime Dangerous Goods)**

UN number	1789
UN proper shipping name	Hydrochloric acid
Transport hazard class(es)	8
Packing group	III
Marine Pollutant	No

**14.3. IATA (International Air Transport Association)**

UN number	1789
UN proper shipping name	Hydrochloric acid
Transport hazard class(es)	8
Packing group	III

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**15. REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/substance specific legislation**

CERCLA RQ: CERCLA RQ - Hydrochloric Acid, 5000#



SDS ID: TS0003 HYDRITE NAME HCL 1.0 N DATE: 5/27/2015

TSCA: All ingredients are listed on the TSCA inventory.  
Prop 65: No  
SARA 311/312: Acute Health Hazard  
SARA 313 Chemicals: Hydrochloric acid/7647-01-0  
State Right to Know: Hydrochloric Acid/7647-01-0, /, /

Please consult relevant federal and local regulations for additional details.

**16. OTHER INFORMATION**

**HMIS Rating**

Health hazard 3  
Flammability 0  
Physical hazard 0  
Personal protection

**NFPA Rating**

Health hazard 3  
Fire hazard 0  
Reactivity hazard 0  
Specific hazard 0

Eye Dam. Serious eye damage  
H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
Met. Corr. Corrosive to metals  
Skin Corr. Skin corrosion  
STOT SE Specific target organ toxicity - single exposure

**Preparation Information**

WET International  
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Streamwood, IL 60107  
(630) 540-2113  
Revision Date: 5/27/2015  
Print Date: 5/28/2015