



Safety Data Sheet

Hydrochloric Acid 10%

Section 1 Identification

Trade Name: Hydrochloric Acid 10% **Date Prepared:** 10/12/2015
Product Identification: GLA-3103A
Synonyms: None **CAS No:** Mixture

Product Use Description:
Industrial Acidic Cleaner

Details of the supplier of the safety data sheet

G.L.A Water Inc.
17802 Rapids Road **Phone:** (440) 834-8435
HIRAM, OH 44234 US **website:** www.glawater.com

Emergency telephone number

Infotrac (800) 535-5053 (US & Canada)
(352) 323-3500

Section 2 Hazards Identification

GHS Classification: Acute Toxicity Inhalation Category 4
Skin Corrosion/Irritation Category 1A
Serious Eye Damage/Irritation Category 1

GHS label elements:



Irritant Corrosive

Signal Word: Danger

Hazard Statements:

- H314** Causes severe skin burns and eye damage
- H318** Causes serious eye damage
- H332** Harmful if inhaled

Precautionary Statements:

Prevention

- P260** Do not breathe fume, gas, mist, vapours or 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 or face protection.

Response

- P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353** IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse SKIN with water.
- 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 physician.
- P321** Specific treatment: See information on this SDS or label.
- P363** Wash contaminated clothing before reuse.



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Storage

P405 Store locked up.

Disposal

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

Hazards Not Otherwise Classified (HNOC):

None.

Additional Information:

None.

Section 3 Composition

| Chemical Name | Common name and synonyms | CAS # | % |
|-------------------|--------------------------|-----------|---------|
| hydrochloric acid | | 7647-01-0 | 30 - 35 |

Section 4 First Aid

General:

Move out of dangerous area. Perform first aid measures as indicated. Seek immediate medical attention and show this safety data sheet to attending physician.

Inhalation:

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulty occurs or persists seek immediate medical attention. If not breathing give artificial respiration and seek immediate medical attention.

Skin contact:

Immediately flush exposed skin with water for at least 15 minutes while removing contaminated clothing and/or shoes. Seek immediate medical attention.

Eye contact:

Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Check for and remove any contact lenses if easy to do. Seek immediate medical attention.

Ingestion:

Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention.

Most important symptoms and effects both acute and delayed:

No information available.

Indication of any immediate medical attention and special treatment needed:

No information available.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media:

Use extinguishing media suitable for surrounding fire or source of fire. Use water spray to cool fire exposed containers.

Unsuitable Extinguishing Media:

No information available.

Specific hazards developing from the chemical:

In fire conditions after water loss, combustion may produce hydrogen chloride and other unidentified chemical compounds.

Precautions for firefighters:

No information available.

Firefighting Instructions:

No information available.

Protection During Firefighting:

Wear full protective gear and full face pressure demand self-contained breathing apparatus.

Other information:

No additional information available.



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Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist, vapor or dust. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Contain spilled material and prevent run-off onto ground or into water sources or sewers.

Methods and material for containment and cleaning up:

Neutralize with appropriate alkaline material if possible. Absorb on inert material and place in containers for disposal. Dispose of spilled/collected material in accordance with all federal, state and local regulations.

Section 7 Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of mist, vapor and dust. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Conditions for safe storage, including any incompatibilities:

Store in original container. Keep container tightly closed. Store at room temperature (50-90 F) in a dry well-ventilated area.

Section 8 Exposure Controls/Personal Protection

Exposure limits:

| Ingredient | Data Source | Exposure Form | Exposure Value | Exposure Notes |
|-------------------|--------------------|---------------|---------------------------|-------------------------------------|
| hydrochloric acid | ACGIH TLV | Ceiling | 2 ppm | (03 2013) |
| | Airborne | Ceiling | 5 ppm 7 mg/m3 | US, CA Code of RegTitle 8, Sec 5155 |
| | Contaminants-US-CA | ST ESL | 130 ppb | US, TX Effects Screening Levels |
| | ESL-US-TX | | | |
| | NIOSH | Ceiling Time | 5 ppm 7 mg/m3 | Pocket Guide-Chemical Hazards(2010) |
| | OEL-US-TN | Ceiling | 5 ppm 7 mg/m3 | Table Z1A (06 2008) |
| | OSHA Z-1 | Ceiling | 5 ppm 7 mg/m3 | Limits-Air Cont(29 CFR 1910.1000) |
| OSHA Z-1-A | Ceiling | 5 ppm 7 mg/m3 | (29 CFR 1910.1000) (1989) | |

Appropriate Engineering Controls:

Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or exposure limits. An eyewash and safety shower should be available in the work area.

Individual protection measures:

Eye/face protection:

Chemical goggles or face shield should be worn when handling this material.

Skin protection:

Hand Protection:

Wear chemical resistant gloves when handling.

Other:

Wear chemical resistant clothing or chemical splash suit when handling.

Respiratory Protection:

Wear respiratory protection while using this material.

General hygiene considerations:

Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

Additional information:

No additional information available.

Section 9 Physical and Chemical Properties



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| | |
|---------------------------|----------------|
| Appearance | Light Yellow |
| Odor | Strong Biting |
| Odor threshold | Not available. |
| pH | <1 |
| Melting/freezing point | Not available. |
| Initial boiling point | Not available. |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Lower flammability limit | Not available. |
| Upper flammability limit | Not available. |
| Lower explosive limit | Not available. |
| Upper explosive limit | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility in water | Complete |
| PC: n-octanol/water | Not available. |
| Auto-Ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Density | Not available. |
| Specific gravity | 1.17 |

Section 10 Stability and Reactivity

| | |
|--------------------------------|---|
| Reactivity : | Not reactive under normal use conditions. |
| Chemical stability : | Material is stable under normal handling and storage conditions. |
| Hazardous reactions : | Hazardous polymerization will not occur under normal handling and storage. |
| Conditions to avoid : | Avoid excessive heating, freezing and chemical contamination. |
| Decomposition products: | Thermal decomposition can lead to release of irritating and toxic gases and vapors. |
| Incompatible materials: | Avoid contact with alkaline chemicals and unwanted contact with metals. |

Section 11 Toxicological Information

Information on the likely routes of exposure:

Inhalation:

This material may cause respiratory irritation, which can be severe and result in perminate damage.

Skin Contact:

This material may cause skin irritation, which can be severe and result in perminate damage.

Eye Contact:

This material may cause eye irritation, which can be severe and result in perminate damage.

Ingestion:

This material may cause gastrointestinal irritation, which can be severe and result in perminate damage.

Symptoms related to the physical, chemical and toxicological characteristics:

No information available.

Delayed and chronic effects:

No information available.

Numerical measures of toxicity:

| Components | Exposure | Species | Dose | Notes |
|---------------------------|------------|---------|-------------|-------|
| hydrochloric acid: | | | | |
| LD50 | Oral | Rat | 700 mg/kg | |
| LD50 | Dermal | Rabbit | >5010 mg/kg | |
| LDC0 | Inhalation | Rat | 3124 mg/l | 1 hr |



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Toxicological effects:

Acute Toxicity:

Mixture:
No information available.

Skin Corrosion/Irritation:

Mixture:
No information available.

Serious Eye Damage/Irritation:

Mixture:
No information available.

Respiratory sensitization:

Mixture:
No information available.

Skin sensitization:

Mixture:
No information available.

Germ cell mutagenicity:

Mixture:
No information available.

Carcinogenicity:

Mixture:
This product is considered to be a potential carcinogen by:
NTP: No
OSHA: No
IARC: No

Reproductive toxicity:

Mixture:
This product is not expected to cause reproductive and developmental effects.

STOT-single exposure:

Mixture:
No information available.

STOT-repeated exposure:

Mixture:
No information available.

Aspiration hazard:

Mixture:
This product is not an aspiration hazard.

Additional information:

None.

Section 12 Ecological Information

Ecotoxicity:

No information available.

Numerical measures of ecotoxicity:

| Components | Type | Species | Dose | Notes |
|---------------------------|------|---------------|----------|-------|
| hydrochloric acid: | | | | |
| Fish | LC50 | Mosquito Fish | 282 mg/l | 96 hr |
| Invertebrates | LC50 | Shore Crab | 240 mg/l | 48 hr |

Persistence and degradability:

Mixture:
No information available.

Bioaccumulative potential:

Mixture:
No information available.

Mobility in soil:

Mixture:
No information available.

Other adverse effects:

Mixture:



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No information available.

Additional information:

No information available.

Section 13 Disposal Considerations

Disposal instructions:

Dispose of material in accordance with all federal, state and local regulations.

Contaminated packaging:

Triple rinse container and offer for recycling. Dispose of container following all federal, state and local regulations.

Additional Information:

No additional information available.

Section 14 Transport Information

DOT:

UN number: UN1789

UN proper shipping name: UN1789, Hydrochloric Acid, Solution, 8, PGII

Class: 8

Subsidiary risk: none

Label(s): 8

Packing group: II

Packaging exceptions: none

Section 15 Regulatory Information

Federal regulations:

SARA 311/312 Hazard categories:

None.

SARA 302 Extremely hazardous substance:

hydrochloric acid Reportable Quantity: 500

SARA 304 Emergency release notification:

hydrochloric acid Reportable Quantity: 5000

SARA 311/312 Hazardous chemical:

Yes

SARA 313 Toxic Release Inventory (TRI) report:

hydrochloric acid Reportable Quantity: 25000

CERCLA Hazardous substance list:

hydrochloric acid Reportable Quantity: 5000

Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA):

This chemical is not a pesticide product.

Clean Air Act regulated substances:

Accidental Release Prevention - Toxic Substances:

hydrochloric acid

Clean Water Act regulated substances:

hydrochloric acid Reportable Quantity: 5000

U.S. state regulations:

Massachusetts RTK Substances

hydrochloric acid Listed.

New Jersey RTK Substances

hydrochloric acid Listed.

Pennsylvania RTK Substance

hydrochloric acid Listed.

Rhodes Island RTK Substances

hydrochloric acid Listed.

Canadian regulations:

Canadian Ingridient Disclosure List substances:



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None listed.

WHMIS classification:

Not classified.

Section 16 Other Information

HMIS hazard ID:

| | |
|----------------------------|---|
| HEALTH | 3 |
| FLAMMABILITY | 0 |
| REACTIVITY | 1 |
| PERSONAL PROTECTION | H |

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *-Chronic health effect

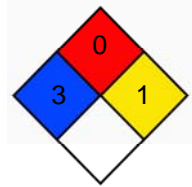
NFPA hazard ID:

Flamability:

Health:

Reactivity:

Special hazard:



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Disclaimer: This Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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