



MURIATIC ACID

SECTION I: IDENTIFICATION

EZCHEM, Inc.
92 Don Westbrook Ave. N.
Jasper, GA 30143

Emergency Telephone Number: 1-800-535-5053
Telephone Number for Information: 706-253-5055

Product Name: Muriatic Acid
Product Use: Surface Preparation - Mixture

SECTION II: HAZARD IDENTIFICATION

Signal Word: WARNING

Hazard Classification:

Skin Corrosion/Irritation, Category 1B

Target Organ Systemic Toxicity (single exposure), Category 3

Hazard Statements:

H314 - Causes severe skin burns and eye damage.

H335 - May cause respiratory irritation.

Precautionary Statements:

P260 - Do not breathe gas/mist/vapours/spray.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P261 - Avoid breathing gas/mist/vapours/spray.

P271 - Use only outdoors or in a well-ventilated area.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 - Wash contaminated clothing before reuse.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310 - Immediately call a POISON CENTER/doctor.

P321 - Specific treatment see label.

P403+233: Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.

P501 - Dispose of contents/container according to local, state and federal regulations.

Hazard Pictograms:



SECTION III: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components:

Hydrochloric Acid

CAS No.

7647-01-0

Percentage %

8-12%



SECTION IV – FIRST AID MEASURES

General Information: Immediately remove any clothing soiled by the product and launder before reuse.

After inhalation: If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered. **Get Medical Attention Immediately.**

After skin contact: Wash with soap and large quantities of water and remove contaminated clothing, jewelry, and shoes immediately. Wash for 15 minutes. If irritation persists, **Get Medical Attention.**

After eye contact: Immediately begin to flush with large quantities of water; remove any contact lens. Continue to flush with water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all of the eye and lid tissues. Flushing the eyes with water within several seconds is essential to achieve maximum effectiveness. **Seek Immediate Medical Attention.**

After ingestion: Do not induce vomiting. Give milk of magnesia or large amounts of water. Never give anything by mouth to an unconscious person. **Call your poison control center, hospital emergency room or physician immediately for instructions.** If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops.

Most Important Symptoms and Effects:

Acute: Ingestion

Delayed: Eyes, Inhalation

SECTION V – FIRE AND EXPLOSION HAZARD DATA

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: None known

Fire Hazard: Non-Flammable

Explosion Hazard: None

Reactivity: Reactions with aluminum, particularly foil, may generate flammable hydrogen gas.

Products of Combustion: Not Applicable

Special Hazards Arising from the Substance or Mixture: No further relevant information available.

Special Remarks and Advice for Firefighters: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear protective equipment (See section VIII). Keep unprotected persons away.

Methods and material for containment and cleaning up:

Spill Response: Absorb with liquid-binding material (sand, diatomite, and universal binders.) Use neutralizing agent.

Waste Disposal: Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Environmental precautions: Do not allow to enter sewers.



SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Handling

Precautions for safe handling: Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container. Avoid breathing vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. When mixing, slowly add acid to water to minimize heat generation and spattering. Never add water to acid. Keep container tightly closed when not in use. Keep container properly labeled.

Additional Hazards: None.

Hygiene Measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Storage

Storage Conditions: Keep container tightly closed when not in use. Store in a cool, dry place away from direct sunlight and heat to avoid container deterioration. Avoid storage at extreme high or low temperatures. Protect from freezing. Keep container properly labeled. Keep separated from incompatible substances.

Storage Area: Store in acid-resistant plastic, glass containers, or rubber-lined steel containers. Do not store in aluminum containers or use aluminum fittings or transfer lines.

Incompatible Products and Materials:

SECTION VIII – EXPOSURE CONTROL MEASURES

Exposure Limits:

CAS 7647-011-1 Hydrochloric Acid

PEL 5 ppm / 7 mg/m³ (ceiling)

TVL 2 ppm / 3 mg/m³ (ceiling)

Appropriate Engineering Controls: Use local ventilation

Personal Protective Equipment:



Hand: Protective Gloves

Eye: Safety Glasses

Skin and Body: Non-absorbive boots.

Respiratory: None required.



SECTION IX – PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	Form: Liquid Color: Water White, Clear Odor: Potential Slight Pungent Odor
pH-value:	> 1
Boiling Point/Boiling Range:	108°C
Freezing Point:	NE
Flash Point:	None
Auto Igniting:	Product is not self-igniting.
Vapor Pressure:	NE
Vapor Density:	> 1
Viscosity:	NA
Solubility:	Soluble
Evaporation Rate:	> 1
Flammability:	Non-flammable
Decomposition Temperature:	NE

SECTION X – REACTIVITY DATA

Conditions to be avoided: No data available.

Incompatible materials: Strong oxidizing agents, strong caustics, alkalis and alkali metals, mercuric sulfate, perchloric acid, carbides of calcium, cesium, rubidium, acetylides of cesium and rubidium, phosphides of calcium and uranium, lithium silicide, cyanides (which may produce lethal concentrations of hydrocyanic acid), and common and active metals (which produce flammable hydrogen gas).

Hazardous Decomposition Products: May produce hydrogen chloride vapors and toxic gases.

Reactivity: Reacts with aluminum.

Chemical Stability: Stable

Possibility of Hazardous Reactions: None known.

SECTION XI – TOXICOLOGICAL INFORMATION

Acute toxicity: NE

Likely Route of Exposure: Skin

Exposure Symptoms:

Eyes: Can cause severe irritation and eye damage.

Skin: Irritation and possible burns. May cause allergic reaction with some people. Avoid repeated contact.

Inhalation: Coughing, sore throat, shortness of breath, irritation of mucous membrane.

Ingestion: Sore throat, abdominal pain, burning. May cause kidney damage.

Effects (Short-term, Long-term):

Immediate: Eye irritation

Delayed: Skin irritation

Chronic: NE

Carcinogenicity: No

Sensitization: No sensitizing effects known.



SECTION XII - ECOLOGICAL INFORMATION

Aquatic toxicity: No further relevant information available.
Persistence and Degradability: No further relevant information available.
Behavior in Environmental Systems: No further relevant information available.
Bioaccumulative Potential: No further relevant information available.
Mobility in Soil:
Other Adverse Effects:

SECTION XIII - DISPOSAL CONSIDERATIONS

Recommendation: Dispose in accordance with applicable local, state, and federal regulations.
Recommended Cleansing Agent: Water.
Additional Information: Refer to Section 8

SECTION XIV - TRANSPORT INFORMATION

UN-Number: 1789
UN Proper Shipping Name: Hydrochloric Acid
Transport Hazard Class: 8 Corrosive substances
Packing Group: III
Environmental Hazards: None - Not a marine pollutant.

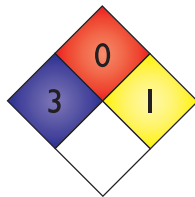


Additional Information:

Special Precautions for User:

SECTION XV - OTHER REGULATORY INFORMATION

NFPA Ratings (Scale 0-4)



Health: 3
Fire: 0
Reactivity: 1

 **WARNING:** Cancer
– www.P65Warnings.ca.gov

SECTION XVI - OTHER INFORMATION

Last Updated: 6/1/2015

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