

Material Safety Data Sheet

ACID Magic® Muriatic Acid Replacement

Product Prefix: USA

CERTOL®

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Certol International, LLC urges each recipient of the MSDS to read it carefully to understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and fire prevention, as needed to understand the data in the MSDS.

To promote safe handling, each recipient of the MSDS should: (1) notify anyone using the material of the MSDS information regarding hazards or safety; (2) furnish the MSDS information to customers purchasing the product; and (3) request the customers furnish MSDS information to all users.

Emergency and First Aid Procedures

Swallowing: Rinse mouth and throat thoroughly with tap water. Drink large amounts of water. DO NOT induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Seek medical attention immediately.

Skin Contact: Wash skin with mild soap and water. Seek medical attention if irritation persists.

Inhalation: Remove the affected victim from exposure. Administer artificial respiration if breathing stopped. Seek medical attention immediately.

Eye Contact: Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.

1. Identification

Product Name: ACID Magic Muriatic Acid Replacement
Chemical Name: Blend.

2. Hazards

PRINCIPAL HAZARDOUS COMPONENTS	CAS #
Hydrochloric Acid	7647-01-0

3. Physical Data

Appearance: Clear to slightly yellow liquid.
Odor: Slightly pungent.
Solubility In Water by Wt.: Complete.
Boiling Point: Approximately 212°F (100°C).
Freezing Point: -4°F (-20°C).
Vapor Density: (Air = 1) 3 max.
Evaporation Rate (n-Butyl Acetate = 1): < 1
Specific Gravity: 1.11 @ 68°F (20°C).
pH: Less than 1 @ 68°F (20°C).

4. Fire and Explosion Hazard

Flash Point: Not flammable.
Flammable Limits In Air: N/A
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective equipment.
Unusual Fire And Explosion Hazards: Product is corrosive and produces hydrogen chloride fumes when heated. May react with many metals liberating hydrogen gas, which can form explosive mixtures.

5. Health Hazard Data

COMPONENT	OSHA/ PEL	ACGIH/ TLV	Others (optional)
Hydrochloric Acid	5 ppm	5 ppm	N/A

Effect Of Overexposure:

Swallowing: May be fatal if large amounts are ingested. May cause severe burns to mouth, throat, and gastrointestinal tract.

Skin Absorption: No effect for healthy, intact skin. May cause mild irritation of sensitive skin.

Inhalation: Overexposure will irritate or burn respiratory tract.

Eye Contact: Corrosive. May cause redness, burns, and irreversible damage to eye.

Carcinogenicity:

NTR: No.
IARC: No.
OSHA: No.

6. Reactivity Data

Stability: Stable.

Conditions to Avoid: Avoid exposure or contact to extreme temperatures and incompatible chemicals.

Incompatibility (Materials to Avoid): Alkalis, strong oxidants, acetic anhydrides, oleum, amines, and vinyl acetate. Reacts with carbon steel, aluminum, and copper.

Hazardous Combustion or Decomposition Products: HCl gas evolved from heating; hydrogen gas evolved by reaction to metals.

Hazardous Polymerization: Will not occur.

7. Spill, Leak, and Waste Disposal Procedures

Steps To Be Taken In Case Material Is Released Or Spilled: Deny access to the area. Vacuum up as much as possible. Absorb residue with absorbent. Flush surface with water and neutralize with soda ash or other acid-neutralizing agent. Prevent material from entering waterways. Reportable quantity (RQ) is 8,000 lbs.

Waste Disposal Method: Dispose according to all local, state, and federal regulations.

8. Handling and Storage

Store in dry, well-ventilated area away from heat and direct sunlight. Do not store near alkalis, highly flammable or oxidizing substances. Store in closed, properly labeled, acid resistant container. Product must not contact hydrogen sulfide gas, chlorine bleach, or cyanide.

Keep out of reach of children.

9. Special Protection Information

Respiratory Protection: Not normally required for a limited quantity. Use acid resistant respirator if concentration is high.

Ventilation: Use in well-ventilated area to eliminate vapors. Mechanical exhaust is not normally required unless used in confined area and/or if individual has a sensitive respiratory system. *Note: Vapor buildup can cause corrosion of metal surfaces in treatment area.*

Protective Gloves: Liquid resistant gloves.

Eye Protection: Safety goggles and/or face shield.

Protective Clothing: Where contact may occur, wear protective clothing.

Other Protective Clothing or Equipment: An eyewash station should be nearby and ready for use.

10. Regulation Information

Status On Substance Lists: None known.

Federal EPA: None.

State Right-To-Know: None known.

11. Transportation Data

Proper Shipping Name: Corrosive Liquid N.O.S. Class 8, UN 1760, P.G. III

D.O.T.: Quarts and Gallons: are shipped as ORM-D Consumer Commodity. Larger Sizes: (5 gallons or more) are shipped as a Corrosive.

CHEMICAL WARNING LABELS

Required on containers, tubs, and bottles, which are filled from original containers with potentially hazardous substances.

Hazard rating corresponding to the NFPA Rating System:

4 - Extreme
3 - High
2 - Moderate
1 -Slight
0 - Insignificant

NFPA HAZARD RATING

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 2

Chemical Warning Label - Certol International

ACID Magic® Muriatic Acid Replacement

No wall reference is necessary.

Product Name: ACID Magic Muriatic Acid Replacement

Hazardous Chemicals: Hydrochloric acid.

Personal Protection: Gloves, goggles, face shield.

<u>ROUTE OF ENTRY</u>	<u>HEALTH HAZARD</u>	<u>FIRE HAZARD</u>
<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Irritant	<input type="checkbox"/> Below 73°F (23°C)
<input checked="" type="checkbox"/> Ingestion	<input type="checkbox"/> Carcinogen	<input type="checkbox"/> Below 100°F (38°C)
<input checked="" type="checkbox"/> Skin/eye absorption	<input type="checkbox"/> Toxic	<input checked="" type="checkbox"/> Above 100°F (38°C) & not > 200°F (93°C)
	<input type="checkbox"/> Sensitizer	<input type="checkbox"/> Above 200°F (93°C)
	<input type="checkbox"/> Normal Material	<input type="checkbox"/> Will not burn
<u>TARGET ORGAN EFFECTS</u>	<u>PHYSICAL HAZARD</u>	<u>REACTIVITY</u>
<input checked="" type="checkbox"/> Respiratory	<input type="checkbox"/> Oxidizer	<input type="checkbox"/> May detonate
<input type="checkbox"/> Heart	<input type="checkbox"/> Acid	<input type="checkbox"/> Shock and heat may detonate
<input type="checkbox"/> Kidney	<input type="checkbox"/> Alkali	<input type="checkbox"/> Violent chemical change
<input checked="" type="checkbox"/> Eyes	<input checked="" type="checkbox"/> Corrosive	<input checked="" type="checkbox"/> Unstable if heated
<input checked="" type="checkbox"/> Skin	<input type="checkbox"/> Use no water	<input type="checkbox"/> Stable
<input type="checkbox"/> Prostate	<input type="checkbox"/> Radioactive	
<input type="checkbox"/> Blood		
<input type="checkbox"/> Liver		
<input type="checkbox"/> CNS		
<input type="checkbox"/> Other		

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