

20E Bé Muriatic Acid (31.45% Hydrochloric Acid Solution, HCl)

Muriatic acid (HCl) is a white to yellow, clear liquid with a strong, irritating odor. It is completely soluble in water and produces a violent, exothermic reaction. Contact with most metals results in the formation of flammable hydrogen gas. HCl is used in numerous applications from water treatment to food processing.

Georgia Gulf's muriatic acid (HCl) is produced at our chemical complex located in Plaquemine, Louisiana.

Properties

Molecular Weight	36.46
Boiling Point, °C	81.5
°F	178.7
Freezing Point, °C	-114.8
°F	-174.6
Vapor Pressure (mmHg at 20°C)	25
Specific Gravity (Water = 1.0)	1.16
Vapor Density (Air = 1.0)	1.27

Uses

The uses for muriatic acid are numerous and include steel pickling, corn syrup production, brine treatment, oil well acidizing, calcium chloride production as well as swimming pool treatment.

Handling and Storage

Muriatic acid is corrosive. It should be stored away from oxidizing agents and alkaline materials in a cool, dry, ventilated place in accordance with OSHA standard 29 CFR 1910.106.

Although stable under normal conditions, muriatic acid reacts with metals to form flammable hydrogen gas.

Handling and Storage (con't)

Adding water to muriatic acid produces a violent, exothermic reaction.

When fighting fires or acid spills, proper protective clothing and respiratory equipment should be utilized, and unprotected personnel should be moved upwind of the area. Spills larger than the reportable quantity must be reported to the National Response Center (800-424-8802). Disposal of spill material should be in accordance with local, state and federal regulations.

For more detailed information regarding the use, storage and safe handling of this product, please refer to the Georgia Gulf Material Safety Data Sheet (MSDS).

Shipping

Georgia Gulf supplies muriatic acid in tank trucks from our plant in Plaquemine, Louisiana.

Muriatic acid is shipped as "Hydrochloric Acid, solution" as a corrosive liquid; its Hazard class is 8 (corrosive) and ships under Identification Number UN1789. In case of an emergency, contact CHEMTREC at 800-424-9300.

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IMPORTANT: The technical data herein is believed to be accurate. It is offered for your consideration investigation and verification. Buyer assumes all risk of use, storage and handling of the product.

No warranty, expressed or implied, is made including, but not limited to, implied warranties of merchantability and fitness for a particular purpose.

Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe, any patents.

Sales and Service

Georgia Gulf sales personnel are available to assist you regarding this product or any other Georgia Gulf chemicals.