

MURIATIC ACID SAFETY

Muriatic acid, also known as Hydrochloric Acid or Hydrogen Chloride (HCl), is a highly caustic liquid. To protect workers from burns and other injuries, it is important to use appropriate safety precautions.

| Personal Protective Equipment (PPE) for Handlers | |
|---|---|
| Protective clothing – Chemical resistant apron or Tyvek (OSHA level C) | |
| Chemical-resistant gloves – gauntlet-style, neoprene, nitrile, butyl rubber, PVC | |
| Rubber boots | |
| Protective eyewear – Tightly fitting safety goggles (NIOSH rating D3) and 8-inch face shield. DO NOT wear contact lenses | |
| Ventilation | Good room ventilation and local exhaust required if used in an enclosed space |
| Respirator for enclosed spaces with insufficient ventilation - NIOSH- Approved air-purifying respirator with acid gas cartridge and HEPA filter | |
| Other protective equipment | Eye wash station, safety shower, spill kit |

DANGER

Muriatic acid is highly corrosive and can cause severe skin burns and eye damage. Do NOT inhale fumes.



The GHS hazard pictograms for free download (reach-compliance.ch)

- Keep in original container
- Always add acid to water NOT water to acid
- Wash thoroughly after handling
- Do NOT eat, drink, or smoke when using product

1. U. Albrecht, associate professor, Department of Horticulture Sciences, Southwest Florida Research and Education Center, O. Batuman, assistant professor, Department of Plant Pathology, Southwest Florida REC, and Megan M. Dewdney, associate professor, Department of Plant Pathology, Citrus REC; UF/IFAS Extension; Gainesville, FL 32611.

The Institute of Food and Agricultural Sciences (IFAS) is an Equal Opportunity Institution authorized to provide research, educational information and other services only to individuals and institutions that function with non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, marital status, national origin, political opinions or affiliations. For more information on obtaining other UF/IFAS Extension publications, contact your county's UF/IFAS Extension office. U.S. Department of Agriculture, UF/IFAS Extension Service, University of Florida, IFAS, Florida A & M University Cooperative Extension Program, and Boards of County Commissioners Cooperating. Andra D. Johnson, dean for UF/IFAS Extension.