

# Muriatic Acid Cleaner

Product # 140

Dissolves rust, scale and lime

This liquid cleaner dissolves rust, lime and other minerals on hard surfaces such as machinery parts. It also can be used to clean radiators, boilers and cooling systems. Its powerful formula also dissolves carbonates for quick removal of mortar, plaster and concrete from tools and equipment.

## Use in:

- Water-handling systems
- Condensers
- Brick and stone
- Boilers
- Radiators
- Metal surfaces
- Cooling systems
- Heat exchangers
- Stainless steel
- Concrete equipment
- Cement trucks
- Mixing machinery

## Effective Against:

- Rust
- Scale
- Lime
- Carbonates
- Minerals
- Excess Mortar
- Concrete/cement
- Plaster

## Features and Benefits

- Restores the natural color of brick or stone that has been discolored from wear or weathering.
- Quickly removes mortar, plaster, cement and concrete.
- Cleans and descales machinery parts.
- Special inhibitors protect metal surfaces.
- Can be used to remove cement from cement trucks.

## Properties

Appearance..... Green liquid  
Fragrance..... Acid  
Concentrate..... Yes  
pH..... 1.0  
VOC content..... < 0.5%

## Directions

Complete directions on product label  
Descale metal parts: For heavy mineral deposits, use undiluted. For lighter deposits, dilute with up to 5 parts of water.  
Clean and descale cooling towers and boilers: Dilute with 8 to 10 parts of water. Allow diluted solution to circulate in system 4-8 hours. Flush system thoroughly.  
To remove excess mortar, cement or plaster from walls and tools: Use undiluted. Always rinse thoroughly after using.

## Authorization

NSF A3: Acid cleaner for use in all areas

## Ingredients

Water .....  
Hydrochloric acid .....  
Surfactant.....  
Tallow Alkyldiamine Ethoxylate.....  
Acid Blue 93.....

## CAS Number

7732-18-5  
7647-01-0  
Proprietary  
61790-85-0  
28983-56-4

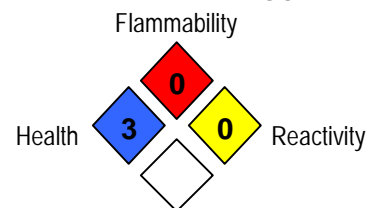
## Safety

Danger: May be corrosive to metals. Causes severe skin burns and eye damage. May cause respiratory irritation.

## DOT Shipping (ground transportation)

Proper Shipping Name: Hydrochloric Acid  
Class: 8  
ID Number: UN1789  
Package Group: II

## NFPA® RATINGS



## Quantities

30, 35 & 55 gallon  
5 or 6 gallon  
6x1 gallon  
4x1 gallon

**TOTAL**  
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