

# Emerald™ Safe Acid

Emerald Safe Acid is a specialty blend of a low pH organic salt that is designed to provide the acidity of hydrochloric acid while exhibiting a significantly reduced corrosivity to skin and ferrous substrates. Emerald Safe Acid is safer to use than hydrochloric acid and should be evaluated for use in cleaning, deoxidizing, and de-scaling formulations. The Emerald Safe Acid is not considered corrosive for transportation purposes by the U.S. Department of Transportation.

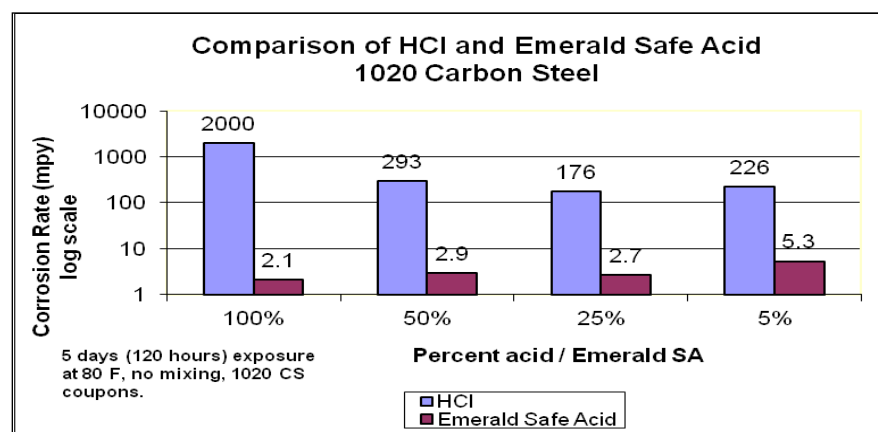
## Features & Benefits

|                       |  |
|-----------------------|--|
| Non-corrosive to skin | Safer to work with                                     |
| Non-fuming            | Safer work environment                                 |
| Phosphate free        | Easier waste-water treatment;<br>low total cost of use |

## Typical Applications

- Dissolving calcium and other hard water scales
- Dissolving rust and oxidation
- Brick cleaning
- Transportation cleaning
- Facility maintenance

## Operating Conditions





## Product Bulletin

Product Name: Emerald Safe Acid  
Product Code: 2541062  
Revision Date: May 19, 2025

### Additional metal testing

The Emerald Safe Acid can cause discoloration and corrosion on certain metals. The Emerald Safe Acid will remove chrome plate and etch aluminum. To test effect, apply one drop of the Emerald Safe Acid onto the clean metal surface and observe.

## Caution

Strong acid. Not to be taken internally. Corrosive to aluminum.

Read and understand OSHA safety data sheet prior to using or working with this product. People handling and working with this product should be properly trained in safe handling of liquid acids. Eye wash and safety shower should be readily accessible in areas in which this product is used, handled and stored.

**WARRANTY:** HUBBARD-HALL INC. IS NOT RESPONSIBLE FOR THE MISUSE, MISAPPLICATION, OR MISHANDLING OF THIS PRODUCT. SEE THE TERMS AND CONDITIONS OF SALE ON OUR WEBSITE FOR ADDITIONAL TERMS AND CONDITIONS CONCERNING OUR PRODUCTS, INCLUDING BUT NOT LIMITED TO, LIMITATIONS AND DISCLAIMERS OF WARRANTIES AND LIABILITIES.

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For more information on this process,  
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Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**<sup>136</sup>.