



CorroShield™
Multi-Metal Corrosion Inhibitor

DESCRIPTION

CorroShield™ is a blend of corrosion inhibitors, chelators, and surface-active ingredients, designed to be used in acid cleaning applications. It can be added directly to the concentrated acid or to the diluted acid solutions.



Note the prevention of damage to the galvanized sheet by CorroShield™

BENEFITS

- Protects GALVANIZED metal surface from corrosion during acid cleaning, EVEN with HYDROCHLORIC ACID.
- Protects Mild Steel, Stainless Steel, Copper, Brass, and Stainless Steel metal surfaces
- Prevents copper plating on mild steel, reducing dissimilar metal corrosion post acid cleaning
- All-in-one inhibitor protects most metallurgy, reducing inventory management and cost
- Can be blended directly into concentrated acids, i.e., Hydrochloric, Sulfuric, Phosphoric, liquid Sulfamic, Bisulfate
- DOT Non-Regulated, small volume can be shipped via FedEx or UPS
- Prevents flash corrosion post acid cleaning.

APPLICATIONS

CorroShield™ is designed to inhibit the corrosive action of the acids used in descaling equipment, such as, boilers, cooling towers (including galvanized towers), closed loops, and heat exchangers.

DOSAGE and FEEDING

For the following discussion, metals will be classified as follows.

- Type I – mild steel, copper, brass, and stainless steel
- Type II – galvanized metal

CorroShield™ can be fed directly into the system as follows:

- For Type I metals, add 0.2% to 0.4 % of the system volume, for acid strength 1% to 5%.
- For Type II metals, add 0.6% to 1.2% of the system volume, for acid strength 1% to 5%.

If system size/capacity is unknown, add CorroShield™ as follows:

- For Type I metals, add 6% by volume to hydrochloric acid (38%), 9% by volume to phosphoric and sulfuric, or ½ gal per 100 lbs of sulfamic acid and bisulfate.
- For Type II metals, add 1 gal per 100 lbs of sulfamic acid and bisulfate.

If CorroShield™ is to be blended into the concentrated acid, blend as follows:

- For hydrochloric acid (38%), blend 6% and 12% by volume for type I and type II metals respectively.
- For phosphoric and sulfuric acid, blend 9% and 18% by volume for type I and type II metals respectively.

CorroShield™ can be blended directly into sulfamic acid and bisulfate in liquid forms only. For other blend combinations, please contact us.

MATERIAL SAFETY DATA SHEET

For information concerning typical properties, health hazard, flammability, reactivity, please consult the material safety data sheet.

PACKAGING

Available in 1 gallon bottles, and cases of four gallons each. For larger packages, please contact our customer service department.

TECHNICAL ASSISTANCE

Above are general guidelines. For more specific applications, please contact our technical service. You may request assistance through your sales representative or by contacting us at (877) 938-4621.

REMARKS

The information and statements herein are believed to be reliable, but are not to be construed as warranty or representation for which we assume legal responsibility.

For **Medical and Transportation Emergencies** involving our products call (24-hour response): **(800) 535-5053**

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