



# SafAcor

## TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION: Acid Corrosion Inhibitor

SafACor is a patent-pending corrosion inhibitor for use in Hydrochloric and Sulfuric Acids. Unlike the conventional inhibitors on the market, which are quite toxic, SafACor is produced with all natural, food-safe ingredients. With the continued pressure on companies to restrict the use of hazardous materials, SafACor provides a viable alternative. As an added bonus, the performance of SafACor is superior to the more hazardous, conventional options (see corrosion data on back).

### FEATURES

- No Reportable Frac Fluid Ingredient
- No Primary Pollutants listed under Clean Water Act
- No ingredients listed as Extremely Hazardous Substance in Section 302 of EPCRA
- Effective in Hydrochloric and Sulfuric Acids
- Effective at Elevated Temperatures
- All Natural Ingredients
- No EPA listed Persistent Bio-Accumulative Toxins
- No ingredient listed as Toxic Chemical in Section 313 of EPCRA
- Biodegradable & low toxicity (<10 mg/L)
- Low Concentration Required

### APPLICATIONS

SafACor is mixed into the acid (hydrochloric or sulfuric) at a rate of 0.4% by weight. Mix gently to insure proper dispersion. At 0.4%, long-term protection (24 hours continual contact) is provided.

### TYPICAL PHYSICAL PROPERTIES

- Appearance .....Yellow-Red Liquid with Mild Odor
- pH (1% in water) .....9.6
- Solubility .....Soluble in aqueous solutions
- Density .....0.99 g/mL
- Boiling Point.....N/A
- Freezing Point .....-3°C
- Flash Point .....N/A

### PACKAGING

SafACor is shipped from the manufacturing facility and regional distribution centers in 55 gallon and 275 gallon containers. Bulk quantities are available upon request.

**ADDITIONAL INFORMATION**

If you need additional information, please contact our offices at 214-449-7807.

**TYPICAL CORROSION DATA**

**150°F 0.4% by Wgt. Inhibitor, Mild Steel Metal**

Description	initial	24 hours	% Loss	MPY
15% HCl & Conventional (Cl)	15.71	13.04	17.0%	2862
1:1 water: 15% HCl & Cl	15.51	14.95	3.6%	600
3:1 water:15% HCl & Cl	15.57	15.44	0.8%	139
15% HCl & SafACor	15.54	15.51	0.2%	43
1:1 water: 15% HCl & SafACor	15.32	15.30	0.1%	21
3:1 water: 15% HCl & SafACor	15.58	15.56	0.1%	21

