



Cola[®]Cor IT

Water-Soluble Multi-Metal Low Foam Corrosion Inhibitor

DESCRIPTION Acylamidocarboxylic Acid Alkanolamine Salt
LISTINGS USA (TSCA), Canada (DSL), China (IECSC); Taiwan (TCSI)

Cola[®]Cor IT is a low-foaming, excellent corrosion inhibitor useful in metalworking fluids, rolling emulsions, water-based hydraulic fluids, and metal cleaners. It is clearly soluble in glycols, water and alkanolamines, but insoluble in hydrocarbons. Cola[®]Cor IT demonstrates good hard water stability and normal applications do not require an additional defoamer. Cola[®]Cor IT may be used alone or in combination with other water soluble corrosion inhibitors or lubricants in grinding and cutting fluids and other aqueous hydraulic systems.

BENEFITS

- Excellent corrosion protection of multiple metal surfaces
- Low-foaming
- Wrought iron protection
- Readily biodegradable
- Boron free, DEA free, Prop 65 compliant
- Non-irritant to skin and eyes
- Pre-neutralized
- Reduces copper and cobalt leaching
- Free of secondary amines
- Suitable for longer life cycle fluids
- Hard-water stable
- Free of GHS hazard labelling
- Higher molecular efficiency for corrosion protection than dibasic carboxylic acid
- Synergy with other corrosion inhibitors

APPLICATIONS

- Metalworking fluids (emulsions, semi-synthetic, synthetic)
- Rolling emulsions
- Light stamping
- Mild alkaline metal cleaner
- Fire-resistant hydraulic fluids (HFAE, HFAS)
- Polymer quenchant
- Anywhere corrosion inhibitors are needed
- Multi-metal – useful on magnesium, steel, and aluminum

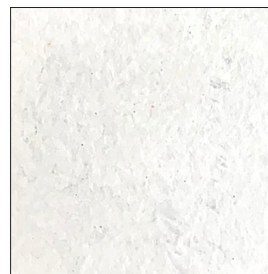
SPECIFICATION

Appearance, 25°C	Clear Liquid
Color, Gardner BYK	6.0 Max
Alkali Value	66.0 – 74.0
Acid Value	173.0 – 203.0
% Moisture	15.0 – 18.0
Solubility Test "2g Product In 98 Grams Di Water"	Clear Liquid

CAST IRON CHIP TESTING

(TEA Salt in South Pittsburg, TN tapwater, 80 ppm hardness)

Result: Stain-free @ 1.5 wt. % (shown below)



ALUMINUM CHIP TESTING

AL6061 and AL7075 (DI water)

Result: Stain-free @ 2.0 wt. % (shown below)



AL6061



AL7075

Cola[®]Cor IT is Boron free, DEA free, Prop 65 Compliant, with no 1,4-Dioxane.

STORAGE / HANDLING

Cola®Cor IT should be stored in closed containers. Shipped in 55 gallon poly drums (net weight 450 lb/204.1 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.



Colonial Chemical

225 Colonial Drive · South Pittsburg, TN 37380

Phone: 423-837-8800 · Fax: 423-837-3888

www.colonialchem.com

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