



Cola®Cor 372

Low Foam Multi-Metal Corrosion Inhibitor

CHEMICAL NAME Amine Neutralized Acyl Amido Carboxylic Acid
LISTINGS USA (TSCA); Canada (DSL); EU (REACH); Australia (AICS); China (IECSC); Korea (ECL)

Cola®Cor 372 is used as a low-foaming corrosion inhibitor in metalworking fluids, in rolling emulsions and water-based hydraulic fluids. Cola®Cor 372 is insoluble in water. Water soluble salts of Cola®Cor 372 are obtained by neutralization with alkanolamines and hydroxides and useful alone or combined with other water soluble corrosion inhibitors or lubricants. Alkanolamines salts derived from Cola®Cor 372 show excellent corrosion inhibition for steel and hard water stability.

BENEFITS

- Multi-metal corrosion protection
- Reduces cobalt leaching
- Low foaming
- Hard water stable
- Boron-free
- Free of secondary amines
- Partially preneutralized


APPLICATIONS

- Metalworking fluids (emulsions, semi-synthetic, synthetic)
- Rolling emulsions
- 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

SPECIFICATIONS

Appearance, 25°C	Clear Liquid
Alkali Value	50.0 – 67.0
Acid Value	165.0 – 180.0
Moisture, %	9.0 – 12.0
Color, Gardner BYK	6 Max.

PERFORMANCE TESTING

TEST SUMMARY	RESULTS
Cast Iron Chip Test <i>1% active solution in tap water</i>	Pass Test performed using single VWR filter paper, 415 (28320-020) 
Chip Stack Corrosion Test <i>- 48 hrs, 25°C</i>	No corrosion at either concentration
Aluminum Block Stain Test <i>- 72 hrs, 25°C</i>	No staining on 2024, 3003, H14 or 6061 alloys at either concentration
Aluminum Block, Dried Residue Test <i>- 72 hrs, 25°C</i>	No staining at either concentration, 6061 alloy
Stack-Stain Corrosion Test, 1.0% only <i>- 7 days, 25°C</i>	No rust on 1010 cold rolled steel, no staining on 3003 H14 Al alloy

Samples neutralized to pH 8.5, tested at 0.5 and 1.0% concentration

STORAGE AND HANDLING

Cola®Cor 372 is shipped in 55 gal. drums, net weight 450 lbs (204.1 kg) or 275 gal. totes. Cola®Cor 372 should be stored in closed containers. Shelf life is 24 months from date of manufacture. A Safety Data Sheet is available at www.colonialchem.com.

Colonial Chemical, Inc.

225 Colonial Drive • South Pittsburg, TN 37380
Phone: 423-837-8800 • Fax: 423-837-3888

www.colonialchem.com