



# Cola®Cor 372

## Low Foam Multi-Metal Corrosion Inhibitor

|                      |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| <b>CHEMICAL NAME</b> | Solubilized Acyl Amido Carboxylic Acid                                   |
| <b>LISTINGS</b>      | USA (TSCA); Canada (DSL); Australia (AICC); China (IECSC); Taiwan (TCSI) |

**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 quenchants
- 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                                                                      |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------|
| <b>Cast Iron Chip Test</b><br><i>1% active solution in tap water</i>  | <b>Pass</b><br>Test performed using single VWR filter paper, 415 (28320-020) |
| <b>Chip Stack Corrosion Test</b><br><i>- 48 hrs, 25°C</i>             | <b>No corrosion</b> at either concentration                                  |
| <b>Aluminum Block Stain Test</b><br><i>- 72 hrs, 25°C</i>             | <b>No staining</b> on 2024, 3003, H14 or 6061 alloys at either concentration |
| <b>Aluminum Block, Dried Residue Test</b><br><i>- 72 hrs, 25°C</i>    | <b>No staining</b> at either concentration, 6061 alloy                       |
| <b>Stack-Stain Corrosion Test, 1.0% only</b><br><i>- 7 days, 25°C</i> | <b>No rust</b> 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](http://www.colonialchem.com).

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