



Cola[®]Cor KAT

Anionic Water Soluble Corrosion Inhibitor

LISTINGS Canada (DSL), USA (TSCA), Australia (AICS), Japan (ENCS), China (IECSC); Philippines (PICCS), New Zealand (NZIOC), Taiwan (TCSI)

Cola[®]Cor KAT is a blend of phosphate esters neutralized with alkali metal hydroxide. It is water soluble. ColaCor KAT is a corrosion inhibitor effective in alkaline environments for ferrous, non-ferrous, and yellow metals. It is compatible with all other kinds of ferrous corrosion inhibitors.

ColaCor KAT is also a highly-efficient antistatic agent for synthetic fibers. Overall, it can serve as a highly-efficient antistatic agent while offering a strong anti-corrosive effect for use in spin finish products for the manufacturing of polyester, polypropylene, polyamide or acrylic staple fibers.

In addition to corrosion protection and static prevention, ColaCor KAT can provide emulsification capability for a formulation when needed. ColaCor KAT has been widely used for metal surface cleaning and treatment and synthetic fiber spinning as well as some personal care applications.

BENEFITS

- Corrosion protection
- Anti-static properties
- Emulsification

APPLICATIONS

- Functional fluids for multimetal corrosion protection including yellow metals and aluminum
- Metal treatment and cleaning
- Synthetic fiber spinning
- Personal care

SPECIFICATIONS

Appearance	Clear, Slightly Yellow Liquid
Solids, %	53-57%
Butanol	< 3%
pH (10% aqueous)	7.5 - 8.5
Color, Gardner '98	< 2

PERFORMANCE TESTING

ColaCor KAT demonstrates corrosion protection for ferrous and non-ferrous (aluminum) materials as well as yellow metals (copper).

Cast Iron Chip Test

(In 2% ColaCor KAT solution in South Pittsburg tapwater, 80 ppm hardness)

Result: Stain-free



ColaCor KAT @ 2%

Aluminum / Copper Corrosion Test

(STL tapwater, 120 ppm hardness)

Result: Stain-free



Al6061
with 3% KAT
(24 hours)



Copper
with 2% KAT
(6 hours @ 80°C)

STORAGE / HANDLING

Cola[®]Cor KAT 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

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Innovative Specialty Surfactants