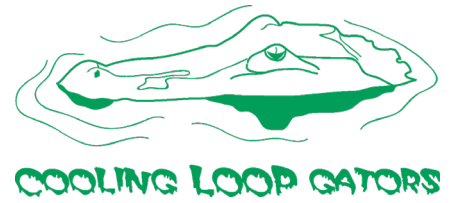




CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies



Cooling Loop Gator® MF, Patented

DESCRIPTION

Cortec's Cooling Loop Gator® MF is a molybdate-free version of a revolutionary layup product that offers simple, safe, easy, and effective corrosion protection for cooling water systems. It satisfies a growing need to address molybdate restrictions in the water treatment industry. Cooling Loop Gator® MF is made of Vapor phase Corrosion Inhibitor (VpCI®) powder packaged in polyvinyl alcohol (PVA) water-soluble bags. Developed for seasonal, short-term, or long-term layup, Cooling Loop Gator® MF protects enclosed spaces for up to 12 months. Once the bag and powder dissolve, the Vapor phase Corrosion Inhibitors adsorb on all metal surfaces, reaching recessed areas and interior cavities. The inhibitors form a strong molecular layer on the metal that protects in both the liquid and vapor phase.

PACKAGING & STORAGE

Cooling Loop Gator® MF is available in 2.2 lb (1 kg) bags, four bags per box. Dimensions: 10" x 14" (25 cm x 35 cm).

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

VpCI® ADDITIVES FOR WATER TREATMENT



FEATURES

- Nitrite-, phosphate-, chromate-, and molybdate-free
- Can be used as a corrosion inhibitor additive in the majority of water treatment programs
- Safe and easy to handle, non-hazardous, non-irritating
- Formulated with biodegradable materials
- Effective for wet layup and flushing applications
- Easy to apply
- Compatible with the majority of commercially available biocides and antiscalants

BENEFITS

- Meets increasing molybdate restrictions and eliminates other environmental hazard and disposal problems
- Provides excellent corrosion protection during layup
- Protects multi-metals, including galvanized steel and yellow metals (copper, brass)
- Protects inaccessible and recessed surfaces
- Does not need to be removed prior to startup
- Reduces chemical consumption and cost upon startup
- Increases worker productivity and safety

PHYSICAL PROPERTIES

Appearance	White Powder
pH	8.5-9.5 (1% Aqueous)

APPLICATION

One Cooling Loop Gator® MF treats 250 gallons (0.95 m³) of water. Remove and discard outer barrier bag. Add the water-soluble bags directly into the cooling water. Recirculate treated water for about 12-24 hours to obtain a good protective layer before shutdown. Either drain the water out or leave treated water in the cooling tower. After application, all valves should be covered, closed, and shut off.

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COMPATIBILITY

Cooling Loop Gator® MF is compatible with most materials of construction in cooling towers (e.g. rubbers, polymers, etc.). Cooling Loop Gator® MF is effective in the presence of:

- Non-oxidizing biocides
- Oxidizing biocides*

Please consult Cortec® Technical Services for further information before use with biocides.

**Keep free halogen concentration less than 2 ppm. When using a high concentration level of oxidizing biocides, consult Cortec® about dosages.*

STANDARD TEST METHODS

ASTM G31 / NACE TM0162	Standard guide for laboratory immersion corrosion testing of metals
EPA-821-R-02-012	Methods for measuring the acute toxicity of effluents

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