



## VpCI® ADDITIVES FOR WATER TREATMENT



# Cooling Loop Gator® Patented VpCI® Tower Lay-up/Mothballing



## PRODUCT DESCRIPTION

Cortec's Cooling Loop Gator® is a Vapor phase Corrosion Inhibitor (VpCI®) powder packaged in polyvinyl-alcohol (PVA) water-soluble bags. Developed for seasonal, short, or long term lay-up Cooling Loop Gator® protects enclosed spaces for up to 12 months. Once the bag and powder dissolve, the VpCIs adsorb on all metal surfaces - reaching recessed areas and interior cavities. The VpCIs form a strong molecular layer on the metal that protects in both the liquid and vapor phase.

## FEATURES

- Provides excellent corrosion protection during lay-up period
- Can be used as a corrosion inhibitor additive in the majority of water treatment programs
- Provides multimetal protection, including galvanized steel and yellow metals (copper, brass)
- Protects inaccessible and recessed surfaces
- Does not need to be removed prior to start up
- Eliminates environmental hazard and disposal problems
- Safe and easy to handle
- Biodegradable (>80%), non-toxic, and non-irritating
- Effective for wet lay-up and flushing applications
- Reduces chemical consumption and cost upon start up
- Easy to apply
- Increased worker productivity and safety
- Nitrite-, phosphate-, and chromate-free
- Compatible with the majority of commercially available biocides and antisclants

## METHOD OF APPLICATION

One Gator treats up to 88 gallons (0.33 m<sup>3</sup>) water. Remove and discard outer barrier bag. Add the water-soluble bags directly into cooling water. Recirculate treated water for about 10-12 hours to obtain good protective layer before shutdown. Either drain the water out (flushing lay-up) or leave treated water in cooling tower. After application, all valves should be covered, closed and shut off.

## COMPATIBILITY

Cooling Loop Gators are compatible with most materials of construction in cooling towers (e.g. rubbers, polymers, etc.). Cooling Loop Gators are effective in the:

- Presence of non-oxidizing biocides
- Presence of oxidizing biocides\*

Please consult a Cortec® representative 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.

## DIMENSION

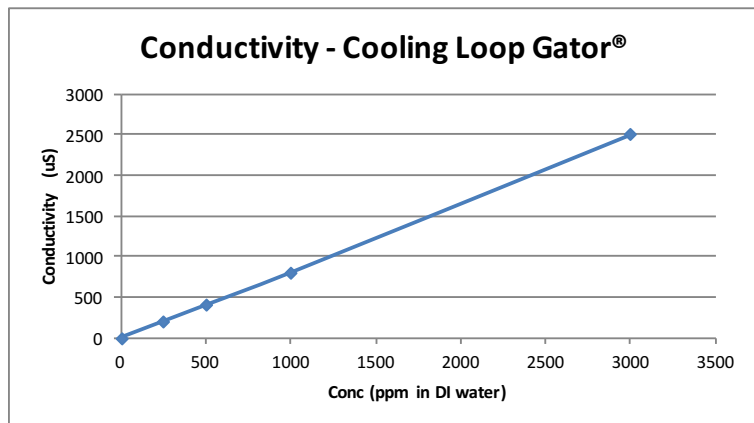
Bag                      10" x 14" (25 cm x 35 cm)

## PHYSICAL PROPERTIES OF POWDER

Appearance	White powder
pH	8.5-9.5 (1% aqueous)
NVC	99-100%



## CONDUCTIVITY CHART



## 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.

## PACKAGING AND STORAGE

Cooling Loop Gator® is available in 4 x 2.2 lb (4 x 1 kg) bags per box. Store in sealed container in a dry and cool warehouse. Do not store in conditions above 150°F (66°C).

**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT SAFETY DATA SHEET FOR MORE INFORMATION**

### LIMITED WARRANTY

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