



SIMPLE
Water in, Water out



SAFE
Safer for the Environment,
Safer for your Employees



RELIABLE
Proven Chemistries,
Validated Application

DESCRIPTION

CL010L is designed for use as a single drum closed cooling or heating loop system treatment where systems contain multiple metallurgies, especially for systems with aluminum alloys. **CL010L** is a proprietary blend of corrosion and scale inhibitors based on well-established organic acid technology. It's in a liquid form that can be applied in system pot feeder equipment or pumped directly into system loops.

BENEFITS

- Does not contain nitrite, nitrate, borate, amine, phosphate, molybdate and silicate.
- Minimized corrosion in closed loop systems with aluminum alloys and mixed metals.
- A single drum product minimizes inventory, eliminates onsite pH control.
- Product contains dye for dosage control and monitoring.

PHYSICAL & CHEMICAL PROPERTIES

These properties are typical. Refer to the Safety Data Sheet (SDS), SECTION 9, for the most current data.

Form	Liquid
Color	Transparent Yellow
Odor	None
Specific Gravity @ 68°F	1.13 – 1.16
Density	9.42 – 9.67 lbs/gal
pH (neat)	10.3 – 10.6
pH (1%)	8.5 – 8.6
Solubility in Water	Complete

DIRECTIONS FOR USE

For systems with and without Aluminum Alloys, the dose concentration is dependent on the amount of chloride in the water. Below is a chart of the recommended dosage rates based on the chloride present in the water.

Closed Systems with Aluminum Alloys	Recommended Dosage of CL010L
Chloride in water < 50ppm	0.5%, or 5,000 ppm
Chloride in water 50-200ppm	1%, or 10,000 ppm
Chloride in water > 200ppm	1% + an additional 0.25% (2,500 ppm) for every 50ppm Chloride above 200ppm. Example: 250ppm chloride = 1.25%
Closed Systems without Aluminum Alloys	
Chloride in water up to 300ppm	0.5%, or 5,000 ppm

Actives Monitoring: For every 5,000 ppm product, PTSA dye will be at 50 ppb.

COMPATIBILITY

CL010L is compatible with nitrite, borate, silicate and molybdate-based programs.

CL010L is compatible with uninhibited ethylene and propylene-based glycols.

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