

CT-4-400

Scale and Corrosion Inhibitor for Cooling Towers



CT-4-400 product is a special molecular polymer compound designed to solve the current pollution problems in water treating. **Its organophosphonate residual gives a very slow constant descaling action to all the lines.** CT-4-400 contains a unique blend of inhibitors and deflocculants for holding sludge in suspension.

CT-4-400 is a concentrated liquid scale and corrosion inhibitor. It is designed for use in high hardness, high alkalinity, open recirculating cooling water systems, where clean, scale deposit and corrosion free surfaces are required for system life and efficiency. CT-4-400 accomplishes this with one easy to use product.

ADVANTAGES:

CT-4-400 contains no chromate or other heavy metals. It is an environmentally sensitive product.

CT-4-400 is very effective in high hardness, scaling waters where acid feed is necessary.

Without additional acid this product offers systems complete deposit control by neutralizing and reducing high alkalinity while controlling hardness by crystal modification, sequestration and chelation. It protects system fouling from contaminants such as calcium, silica, iron, sludge, and organics.

DIRECTIONS:

CT-4-400 should be injected into the system by means of a metered chemical injection pump. It is pumped directly from the shipping container.

CT-4-400 should be initially slug dosed to the system at the rate of 64 fluid ounces per 100 gallons of system water. Maintain dosage with organic phosphate test. Maintain 18 to 28 ppm residual based on the bleed rate.

NPCA Hazardous Materials ID System

Health	2
Flammability	0
Reactivity	1
Personal Protection	*

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Call for Orders, Product Information and Technical Support:

1-800-830-3423



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CT-4-400 is a special formulation designed to solve the current problems encountered with phosphonate and chromate type treatment chemicals. It will increase carrying capacity and efficiency of lines and reduce pumping costs. It may be added by hand or by continuous or automatic feeding, directly from the shipping container. This product is recommended for Cooling Towers, Lithium Bromide Units, Evaporative Condensers, Humidifiers, Air Washers and Once-Through Cooling Systems.

ADVANTAGES: **CT-4-400** contains no chromate or other heavy metals. It is very effective in high hardness, high alkaline scaling waters. It contains a unique blend of organic and polymeric sequestrants, penetrants and dispersants to disperse and sequester contaminants such as calcium, silica, iron, sludge and organics which foul equipment heat exchanger surfaces. It also contains special organic inhibitors to establish a protective barrier against corrosion.

DIRECTIONS: **CT-4-400** is manufactured to precise control and application specifications. The specific application will control product use and application. Consult your Product Technical Data Sheet or Technical Services Department for specific use and application data.

DANGER: Contains phosphonate and sulfuric acid. Corrosive. Harmful if swallowed. Do not take internally. If swallowed, do not induce vomiting. Drink a large amount of water. Call a physician immediately. Eye irritant. Avoid contact with eyes. If eye contact occurs, flush with water for at least 15 minutes. Get prompt medical attention. **KEEP OUT OF REACH OF CHILDREN.**

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

CONCENTRATION USAGE:

Cooling Towers.....	1 gal. per 4,000 gals.
Lithium Bromide Units.....	1 gal. per 8,000 gals.
Evaporative Condensers.....	1 gal. per 8,000 gals.
Humidifiers.....	1 gal. per 16,000 gals.
Air Washers.....	1 gal. per 8,000 gals.
Once-Through Cooling Systems.....	1 gal. per 16,000 gals.

PHYSICAL DATA

Color.....	Colorless
Clarity.....	Clear
pH.....	.9%
Solids.....	11%
Viscosity.....	Slight
Specific Gravity.....	1.052

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