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6425 HYDRONIC LOOP TREATMENT

APPLICATION

CH₂O HYDRO-TREAT products are designed to reduce iron and copper corrosion related to oxygen attack in closed loop hydronic systems. While no water treatment product can repair corrosion damage once it has occurred, continuous treatment can extend equipment life.

HYDRO-TREAT performance is dependent upon system operation, design, cleanliness, metallurgy leaks and water chemistry. For optimal results, the following actions should be taken by operational personnel.

- Precleaning to prepare system for treatment;
- Routine inspection to ensure no ingress of oxygen;
- Periodic biological testing and addition of biocides;¹
- Daily testing and recording of chemical residuals

If problems are encountered maintaining product residuals, additional analytical testing may be required. At your request, a CH₂O Water Treatment Specialist may assist in performing these services.

Product **6425** employs an inorganic corrosion inhibitor. The inhibitor is a silica-based, film-forming compound that helps protect metal surfaces.

¹. Cooling Water Treatment Principles & Practice, Colin Frayne

SAFETY & HANDLING PROCEDURE

This product is a moderately alkaline liquid. It can be safely handled using the standard precautionary procedures associated with industrial chemicals of this type. Read and understand the SDS for the product before handling.

FEEDING TECHNIQUE

Pump directly from the shipping container into the water system.

DOSAGE

Add an initial dose of 16 ounces per 1,000 gallons of water in the system. Subsequent doses at a lower rate may be sufficient to maintain the desired net residual.

CONTROL

When used as a stand-alone product for multi-metal systems, maintain a residual of 50 to 100 parts per million silica (over make-up water silica).

When used as an adjunct for copper and aluminum alloys, maintain a net residual of 10 to 25 parts per million silica. Consult your CH₂O Technical Representative for further testing information

PHYSICAL PROPERTIES

pH of 1% Solution	9.5 to 10.5
Pounds per Gallon	9.5 to 10.0
Physical Appearance.....	Clear Liquid
Odor.....	None
Flash Point.....	NA

Seller Warranty

CH₂O brand test reagent refills are available through your sales representative at no charge. Customers are required to confirm product compatibility via a control test for their specific application. CH₂O recommends that you perform regular/daily testing to control chemical levels and cycles of concentration within established limits. Additional tests may be performed at your request. Test reports reflect conditions at the point when the analysis was performed. Results will change over time and with varying operating conditions.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the product data sheet. Buyer is responsible to ensure that products and product dosages are appropriate for Buyer's particular application. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

Applies to all products sold by CH₂O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH₂O products is subject to the Standard Terms and Conditions as listed on CH₂O, Inc.'s website at: www.ch2o.com.

