



8820 Old Hwy 99 SE, Tumwater, Washington 98501, USA
360-943-6063 800-562-6184 FAX 360-352-4813 www.ch2o.com



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 maintain product residuals, additional analytical testing may be required. At your request a CH₂O Water Treatment Specialist may assist in performing these services.

Product **6425** contains an inorganic pH adjustment and a silica-based, film-forming compound. This combination helps form a protective film on 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. Wear eye protection and rubber gloves. Avoid prolonged or repeated contact with product.

FEEDING TECHNIQUE

Pump directly from the shipping container into water supply line of system. Alternatively, pump from a chemical dilution and feed tank.

DOSAGE

Initial dosage of 6 ounces per 1,000 gallons of water. Continuous dosage at a lower rate sufficient to maintain the desired net residual.

CONTROL

Maintain a residual of up to 24 parts per million as silica to establish a surface film. Once a film layer is established, maintain 8 to 10 parts per million. 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 directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. 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.

March 28, 2005

