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# 6440 HYDRO-TREAT SPECIALTY APPLICATION PRODUCT

### APPLICATION

Product **6440** has been specifically designed for use in open and closed hydronic loops where a low conductivity product is desired.

CH<sub>2</sub>O 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:

- Pre-cleaning to prepare system for treatment;
- Routine inspection to ensure no ingress of oxygen;
- Periodic biological testing and addition of biocides<sup>1</sup>;
- Daily testing and recording of chemical residuals.

If problems are encountered maintaining product residuals, additional analytical testing may be required. At your request a CH<sub>2</sub>O water treatment specialist may assist in performing these services.

Product **6440** is specifically designed for use in open and closed hydronic loops where a low conductivity product is desired to help protect yellow metals from oxygen attack.

<sup>1</sup> Cooling Water Treatment Principles & Practice, Colin Frayne

### SAFETY & HANDLING PROCEDURE

This product is a neutral liquid. It can be safely handled using the standard precautionary measures associated with industrial chemicals of this nature. Avoid prolonged or repeated skin contact with the product. Contact a physician immediately if ingested.

### FEEDING TECHNIQUE

Slug feed product **6440** to the system via a one-shot or bypass feeder.

### CONTROL

The residual of product **6440** will be unique to each water system. As such, it is necessary to consult your CH<sub>2</sub>O water treatment specialist for recommendations on product residual to be maintained for each particular system and/or application. Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. In addition to monitoring and maintaining treatment levels, it is the customer's responsibility to ensure the product is fit for its intended application.

### DOSAGE

Add product **6440** at the rate of 1 gallon per 2,000 gallons of system water to yield an increase of 10 parts per million active inhibitor.

### PHYSICAL PROPERTIES

pH of 1% Solution..... 7.5-10.5  
Pounds per Gallon..... 8.4-8.6  
Physical Appearance ..... Clear, Light Yellow Liquid  
Odor..... Moderate Azole  
Flash Point..... NA

### Seller Warranty

CH<sub>2</sub>O 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. CH<sub>2</sub>O 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 CH<sub>2</sub>O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH<sub>2</sub>O products is subject to the Standard Terms and Conditions as listed on CH<sub>2</sub>O, Inc.'s website at: [www.ch2o.com](http://www.ch2o.com).



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