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Product Bulletin

6317 POSCA

COOLING WATER TREATMENT

APPLICATION

CH₂O Cooling Water Treatment products are designed to reduce generalized corrosion and mineral deposition in evaporative cooling systems. Excessive corrosion can result in loss of system integrity and mineral deposits reducing system efficiency.

Product performance is dependent upon maintaining proper chemical residuals, system operation, design, cleanliness, metallurgy, and water quality. For optimal results the following actions should be taken by qualified operational personnel:

- Initial system cleaning and passivation in accordance with manufacturers recommendations;
- · periodic inspections of all system components;
- maintaining systems free from particulate matter and sludge accumulations;
- insuring proper chemical feed rates and system bleed-off;
- control of biological organisms accompanied by periodic biological testing; and,
- · 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 **6317** is formulated to meet cooling tower needs not only for high mineral control, but it is particularly well suited for systems which have shown signs of white rust. This product is acidic and accordingly has the ability to lower not only the system pH but its alkalinity as well. It should not be used in low-alkalinity make-up water conditions. Care must be exercised to ensure that the product is adequately dispersed prior to contacting metal surfaces in the system.

SAFETY & HANDLING PROCEDURE

This product contains an inorganic acid which will cause burns upon exposure. Wear full protective clothing including impervious apron, boots, goggles and face shield when handling. Flush exposed skin with cold water immediately. Do not give emetics if ingested. Give 5 or 6 ounces of milk or water and call a physician immediately.

FEEDING TECHNIQUE

Inject through a dilution trough, or area of high dispersion to avoid direct contact of the concentrated product with system metal. **Caution:** Extreme damage / corrosion may result from improper feed or injection of this product.

CONTROL

It is recommended to maintain 4 to 8 ppm as a gross orthophosphate residual in the system at all times. As an alternate test method, maintain a residual of 2 to 4 parts per million of POSCA, as tested by CH2O's P-2 Test Kit, in the system at all times. Note the P-2 test should only be used as a secondary or back-up test method to the orthophosphate test. This product should be used only with a reliable proportional feed, or pH control system. Contact your CH2O water treatment specialist for further information on analytical testing. 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

Initially charge the system at the rate of 20-40 fluid ounces per 1,000 gallons of system capacity. Maintain system treatment by feeding product **6317** at a rate proportionate to the cycles of concentration being maintained with respect to the volume of feed water.

PHYSICAL PROPERTIES

pH of 1% Solution	1.0-2.5
Pounds per Gallon	
Physical Appearance	
Odor	
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 CH_2O , Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH_2O products is subject to the Standard Terms and Conditions as listed on CH_2O , Inc.'s website at: www.ch2o.com.



