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6143

SYNTHETIC ORGANIC BIOFOULANT, DISPERSANT, VAPOR-PHASE CORROSION INHIBITOR

APPLICATION

Product **6143** is a multi-purpose product for use in cooling water systems and low and medium-pressure boilers. It is used for cleaning newly installed equipment or as a nonprecipitating water treatment program supplement. Product **6143** is a blend of dispersants that give a broad range of effectiveness and exceptional mineral and organic control in water circulation loops.

Cooling Water: **6143** is an efficient penetrant and dispersant for a variety of organic deposits such as paraffins, oils, pitch, and biofilm. When used in conjunction with common microbicides, including chlorine and chlorine dioxide, it promotes better penetration of slime and algae masses.

Boiler Water: **6143** can be used in steam boiler systems to control deposits of organic material that may enter the boiler through process contamination. Additionally, **6143** will volatilize with steam to provide a film-forming barrier to help protect steam and condensate systems from corrosive attack.

SAFETY & HANDLING PROCEDURE

This product is a slightly alkaline liquid. It can be safely handled using the standard precautionary measures associated with industrial chemicals of this type.

FEEDING TECHNIQUE

Inject directly into circulating water, cooling tower makeup water, or boiler feedwater lines. For cleaning operations addition can be made with a bypass feeder or one-shot feeder. Note: Product **6143** should not be fed in conjunction with glutaraldehyde-based products such as **BIO-MAX 15**.

CONTROL

The chemical residual depends upon the application requirements. Consult your CH₂O Water Treatment Specialist for individual recommendation. 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 32 fluid ounces per 1,000 gallons of system capacity. Continuing dosage may vary due to the type of substance being dispersed and the desired effect. For continuous feed to keep system clean, use 6 to 8 fluid ounces per 1,000 gallons of makeup water. Reduce feed in proportion to cycles of concentration being maintained. To shock biofouling use 32 fluid ounces per 1,000 gallons capacity in a single slug dose. Repeat this dose daily until control is achieved, and then use the continuous feed rates.

PHYSICAL PROPERTIES

pH of 1% Solution	8.0-9.0
Pounds per Gallon	8.5-8.7
Physical Appearance	Light Tan Liquid
Odor	Mild
Flash Point.....	N/A

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.



VERSION DATE: September 27, 2001 | REVISION DATE: February 19, 2019

