

Product Bulletin

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

SRI-956 BIO-GUARD TREATMENT Micribiocide, Bactericide, Fungicide, Algicide, Slimicide

APPLICATION

Cooling towers provide a near-ideal environment for microbial proliferation. Warm water temperatures, nutrients, and constant exposure to the surrounding air encourage growth and virtually assure ongoing contamination by microorganisms. The U.S. Public Health Service Center for Disease Control & Prevention (CDC) has identified some of these organisms to cause human illness or death. OSHA Technical Manual Section III - Chapter 7 states that biocide control of such organisms is needed.

Unchecked microbial growth may also cause a rapid loss of heat- transfer efficiency by fouling piping, nozzles, process heat exchangers, and drift eliminators. Growth under deposits or slime masses can yield accelerated localized corrosion of system metal components. These problems, due to growth and development of algae, bacteria, and fungi greatly reduce efficiency in a system and significantly increase operating costs.

Microbial organisms in nature vary considerably as a hazard to human health and in susceptibility to any particular bactericide. CH_2O 's **BIO-GUARD** series offers a wide variety of biocide products, which have been shown effective against microorganisms found in cooling tower waters.

WATERBORNE PATHOGENS

Legionella bacteria and other pathogens may be present in water systems. Application of a microbicide does not guarantee the absence of such pathogens, nor is it possible or reasonable to eliminate all risk of infection. Users should develop a comprehensive water management plan in accordance with ANSI/ASHRAE Standard 188, OSHA guidelines (OSHA Technical Manual Section III: Chapter 7), and other guidelines applicable to the specific facility/system. CH₂O, Inc. recommends that testing for legionella bacteria be incorporated in the facility's water management plan.

DIRECTIONS FOR USE

SRI-956 is used as a microbiocide, bactericide, fungicide, algaecide and slimicide for treating water in industrial recirculating and evaporative coolers, cooling ponds, lined reservoirs, decorative fountains, air washing systems, RO membranes and metal working fluids. Review label for specific directions and restrictions for each of these systems.

SRI-956 tablets combine a quick-kill in the system with rapid degradation of the DBNPA toxicity. These properties make it easy to achieve forceful microbial control while meeting strict discharge regulations.

SRI-956 does not negatively react with other chemicals, such as common scale inhibitors, dispersants, or corrosion inhibitors. The product also functions over a relatively broad pH range; dependable performance has been obtained in waters operating at pH's as high as 8 to 8.5, although performance begins to drop off at pH's over 9.

FEEDING TECHNIQUE

Direct contact of **SRI-956** tablets with a metal surface in the cooling system will cause local corrosion. To prevent corrosion, place the **SRI-956** in the holder provided or equivalent. Suspend / float it in the water so the tablet is completely submerged. **SRI-956** tablets are best used in the basin of the cooling system in an area with little turbulence. Avoid placing **SRI-956** in direct sunlight. Product may be placed in a flow-through feeder through which cooling water or make-up water is directed.

SAFETY & HANDLING PROCEDURE

SRI-956 is corrosive, causing irreversible eye damage and skin burns. It is harmful if swallowed or absorbed through the skin. It is important to avoid contact with the liquid and inhalation of the vapors. Do not get in eyes or on skin or on clothing. Wear protective eyewear (chemical goggles and face shield), protective clothing and rubber gloves resistant to chemical permeation. Wear long-sleeved shirt and pants or coveralls, goggles or face shield and chemical resistant gloves when handling. Review label and SDS for further details on safety and handling guidance.

DOSE & CONTROL (cooling water systems)

Dirty systems must be cleaned prior to treatment.

To control bacteria, fungi, and algae in clean to moderately contaminated systems, add 100 gm **SRI-956** tablet(s) per 500-1,000 gallons of water in the system. Heavily contaminated systems may require 200 g of tablet(s) per 500-1,000 gallons of water in the system.

Add more **SRI-956** tablet(s) to the feeder when they are substantially gone. Contact your CH₂O water treatment specialist or an independent laboratory for further information on analytical testing. Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage and/or health issues. In addition to monitoring and maintaining treatment levels, it is the customer's responsibility to ensure the product is fit for its intended application.

ACTIVE INGREDIENT

2, 2-dibromo-3-nitrilopropionamide (DBNPA)95.6%

PHYSICAL PROPERTIES

Form	Small round tablets
Wt. per Tablet	100 gms
Tablets per Pail	
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 warrants 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: November 2014 REVISION DATE: October 15, 2019

