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Product  
Bulletin

## CLEAR LINE IRRIGATION NETWORK CLEANER (Drip Line Cleaner and Slime Remover)

### APPLICATION

Mineral crystallization in irrigation networks may often lead to plugging of nozzles and clogging of sand filters or heat-exchangers. **CLEAR LINE** is a premium drip line cleaning product formulated to minimize carbonate-based scale, and help control metals, mineral deposits, and slime formation. It is recommended to feed product using CH<sub>2</sub>O metering equipment.

**CLEAR LINE** can be injected into irrigation lines to effectively treat clogs formed by slime and hard water deposits. It can be used in various treatment programs, such as continuous or shock doses, to sustain irrigation water that is free of undesired mineral deposits and slime build-up.

The line clean system is designed to clean and inhibit crystalline deposits, which harbor organic materials in irrigation networks. Preventing organic accumulations in irrigation networks is an important step in maintaining a free-flowing irrigation system.

### SAFETY & HANDLING PROCEDURE

**CLEAR LINE** contains a strong oxidizing agent. Do not mix product with other chemicals. Use only thoroughly clean utensils (transfer pump, storage container, etc.) when handling. This product contains a chemical that is degraded by heat and exposure to UV light (sunlight). Product should be stored inside, out of sunlight exposure unless the container is open, on-line, and in use.

Do not get product in eyes, on skin, or on clothing. Safety glasses and imperious gloves must be worn when handling concentrated product.

### CONTROL

Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. It is the customer's responsibility to monitor and maintain treatment levels. Additional testing may be performed upon request.

### DOSAGE

When irrigation lines are clogged or there is visible slime build-up, use **CLEAR LINE** at a rate of 1 gal per 1,000 gallons of irrigation water. Hold product in irrigation lines for up to 12 hours and then flush to remove debris.

To inhibit slime or hard water build-up, inject continuously at a rate of 1 gallon per 10,000 to 40,000 gallons of irrigation water.

For bi-weekly treatment to inhibit slime or hard water build-up, use product at a rate of 1 gallon per 3,000 gallons of irrigation water. Contain product in line for 12 hours and flush system to remove debris.

A control test is recommended on individual plant species to determine tolerance.

### PHYSICAL PROPERTIES

pH of 1% Solution..... <2  
Pounds per Gallon..... 9.9 – 10.4  
Appearance ..... Clear Colorless Liquid  
Odor..... Odorless  
Flash Point..... N/A

### 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 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 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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