



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



PASS-EVATE SPECIALTY APPLICATIONS PRODUCT GALVANIZED COOLING TOWER PASSIVATION

APPLICATION

PASS-EVATE is an aqueous blend of inorganic phosphates that has the ability to assist in buffering system water against pH changes. The product is stable in the presence of oxidizing biocides.

PASS-EVATE can also be used when re-passivating used towers (when needed). At the time of re-passivation, one should determine whether the system needs to be cleaned or just re-passivated.

PASS-EVATE should be used when passivating new and used tower systems. New towers should be passivated before putting them into operation. The desired length of time is 90 days. **PASS-EVATE** should be added to the bulk water at 200 to 400 ppm phosphate and circulated maintaining a pH range of 6.8-8.2.

SAFETY & HANDLING PROCEDURE

This product is a neutral liquid. It can be safely handled using the standard precautionary procedures associated with industrial chemicals of this type. Read and understand the MSDS before handling this product.

FEEDING TECHNIQUE

Inject directly into the condenser water recirculating line or the basin of the cooling tower.

CONTROL

It is recommended to maintain 200 to 400 ppm as total phosphate (PO₄) residual in the system for 90 days. 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. It is the customer's responsibility to monitor and maintain treatment levels with support from a CH₂O sales representative.

DOSAGE

Initially charge the system at the rate of 1.5-2 gallons per 1,000 gallons of system capacity. Maintain system treatment by feeding **PASS-EVATE** 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 6-8
Pounds per Gallon 9.5-10.0
Physical Appearance Clear, Lt. Tan Liquid
Odor None

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 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 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.

