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**Product  
Bulletin**

# EMULSION 1

## LOW-FOAMING, CHELATED ALKALINE CLEANER

### CONCENTRATED

**EMULSION 1** has been formulated specifically for direct contact with fruit. It is a liquid cleaner, which can be accurately and efficiently dispensed through automatic feed and control systems.

### LOW FOAMING

**EMULSION 1** provides a low amount of foam to aid in soil penetration during cleaning.

### SAFER THAN POWDERS

**EMULSION 1** produces less heat when added to water than dry products. Powder dilution heat can cause an injurious "flash back."

### FREE RINSING

Chelants and wetting agents in **EMULSION 1** are carefully selected to provide excellent rinsing ability and inhibit the formation of calcium carbonate (CaCO<sub>3</sub>) precipitate in the rinse cycle.

### SAFETY

**EMULSION 1** IS HIGHLY CAUSTIC AND CAN CAUSE BURNS. Wear goggles or face shield and rubber gloves when handling this product.. While making use-- solutions add slowly to surface of water to avoid violent splattering.

### GENERAL REGULATORY STATEMENT

This product is formulated in accordance with various FDA guidelines re- relating to washing and/or waxing food for human consumption. Contact your CH<sub>2</sub>O representative if more information is needed on specific regulatory compliances.

### TYPICAL APPLICATIONS

**EMULSION 1** is designed to be used for descaling mineral buildups in an alkaline system where chlorine sources may be present.

### GENERAL DIRECTIONS

**EMULSION 1** should be used at the rate of 2 to 3 gallons per 1,000 gallons of water on normal mineral buildups, at temperatures below 75°F. This can be checked with a CH<sub>2</sub>O **CAUSTIC TITRATION KIT**. Higher wash tank temperatures and increased levels of **EMULSION 1** may cause burning of fruit.

### PHYSICAL PROPERTIES

Appearance.....Light to Dark Gold Liquid  
Odor.....Mild  
Foam.....Low  
Rinsing Ability.....Excellent  
pH of Use Solution.....12.0  
Pounds per Gallon.....11.5-12.0  
0.5% Caustic Equivalent.....1.4 fl oz/gal H<sub>2</sub>O

**PRODUCT pH INDICATOR**  
---- acid ---- neutral ---- alkaline ----  
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14



### **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 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<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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