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**Product  
Bulletin**

## **BUFFER UP** **SODIUM-FREE BUFFER TO INCREASE pH**

### **CONCENTRATED & SODIUM FREE**

**BUFFER UP's** heavy-duty formulation allows for low-cost neutralization of acidic solutions without increasing the sodium concentration of the neutralized mixture.

### **CONVENIENT**

Because **BUFFER UP** is a liquid, it can be dispensed accurately and efficiently through automatic feed and control systems.

### **NON-FOAMING**

**BUFFER UP** does not cause foaming in the neutralized solution.

### **SAFER THAN POWDERS**

Because **BUFFER UP** can be dispensed through automated feed systems, it is safer than using powders. There is also less chance of dangerous flash-back when using liquid **BUFFER UP** rather than using alkaline powders.

### **SAFETY & HANDLING PROCEDURE**

**BUFFER UP** IS HIGHLY ALKALINE 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 spattering.

### **TYPICAL APPLICATIONS**

**BUFFER UP** is made for neutralizing the pH of acidic solutions of an industrial nature with an automatic dispensing system controlled by a pH meter.

### **GENERAL USE DIRECTIONS**

It is recommended that an automatic feed system controlled by a pH sensor be used to meter the chemical into the water for exactness of concentration.

### **PHYSICAL PROPERTIES**

Appearance..... Clear to Slightly Opaque  
Odor.....Mild  
Foam.....None  
pH of 1 Percent Solution..... >12  
Solubility..... Complete in Water  
Specific Gravity ..... 1.18 +/- 0.1

### **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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