

# Buffer Solution

## 0-10-0

### GUARANTEED ANALYSIS

Available Phosphate ( $P_2O_5$ ) .....10.0%

Derived from phosphoric acid

### KEEP OUT OF REACH OF CHILDREN



## DANGER

Causes severe skin burns and eye damage. Suspected of damaging fertility or the unborn child.

### PRECAUTIONARY STATEMENTS

Do not breathe dust, mist. Wash hands thoroughly after use. Wear protective gloves, protective clothing, eye protection, and face protection. See Safety Data Sheet for additional information. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Store in a secured (locked) area. Do not store below 32°F. Store out of direct sunlight. Buffer Solution 0-10-0 and concentrated solutions may be corrosive to tanks, pumps, meters and fittings. Store in stainless steel or polyethylene tanks with stainless steel or polyethylene fittings. Dispose of empty containers by triple rinsing and discard empty containers in a landfill in accordance with current local, state, and federal regulations.

### FIRST AID

**IF ON SKIN (OR HAIR):** Take off immediately all contaminated clothing. Rinse skin with water/shower.

**IF IN EYES:** Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center or doctor for treatment advice.

**IF EXPOSED OR CONCERNED:** Get medical attention.

For Emergency, Spill, Leak, Fire, Exposure, or Accident, Call: CHEMTREC 1-800-424-9300

### APPLICATION PRECAUTIONS

Avoid application under extreme climate conditions such as rapid drying, extremely slow drying, frost, rains or when fronts or rain are anticipated. There is a risk of leaf scorch following application during slow drying conditions (high spray volume, cloudy weather, etc.). Use eye protection and protective clothing when handling undiluted product, to minimize exposure. Clean all equipment before and after use.

Manufactured For:  
Winfield Solutions, LLC  
P.O. Box 64589  
St. Paul, MN 55164-0589

Weight per gallon 9.1 lbs (4.13 kg)  
Net Contents: 2.5 gallons (9.46 L)  
Net Weight: 22.75 lbs (10.32 kg)  
1/1010/8

**WINFIELD**  
**UNITED**

### GENERAL INFORMATION

**Ground Applications:** This product may be applied by conventional ground equipment.

**Aerial Applications:** This product may be applied by air.

**Fertigation:** Product may be applied in overhead irrigations systems. Do not apply with more than 1/3 inch of water.

**Drip Irrigation:** This product may be injected into drip irrigation systems.

Shake the container thoroughly before use. Pour into a tank three-quarters filled with water, while agitating. Top off with water and continue to agitate until spraying is completed.

**Buffer Solution 0-10-0** is a phosphate nutrient buffer for commercial use in stabilizing the pH of spray solution.

**Buffer Solution 0-10-0** is intended as a supplement to a sound fertility program.

### RECOMMENDATION FOR USE

Normal use rates for **Buffer Solution 0-10-0** are from 1 to 2 quarts per 100 gallons of spray solution.

The table listed below is guide only. Water high in dissolved solids or that has a significant amount of alkaline earth carbonates and/or hydroxides may require more **Buffer Solution 0-10-0** to reach the desired pH.

<b>0-10-0 Buffer Solution oz/100 gal</b>	<b>8.5 – 5.0 pH</b>	<b>8.0 – 5.0 pH</b>	<b>7.5 – 5.0 pH</b>	<b>7.0 – 5.0 pH</b>
<b>4</b>	7.2	7.0	6.8	6.6
<b>8</b>	6.9	6.7	6.5	6.4
<b>16</b>	6.5	6.2	6.2	6.0
<b>32</b>	5.9	5.8	5.5	5.3
<b>48</b>	5.4	5.2	4.8	4.1
<b>64</b>	4.7	n/a	n/a	n/a

Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.html>

### WARRANTY DISCLAIMER

Winfield Solutions, LLC warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR IS ANY REPRESENTATIVE OF SELLER AUTHORIZED TO MAKE ANY SUCH WARRANTY OR MODIFY THESE TERMS. This warranty does not extend to the storage, handling or use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such storage, handling or use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.