

# BUFFER XTRA STRENGTH

## BUFFERING AND CONDITIONING AGENT FOR PESTICIDE SPRAYS

### \*ACTIVE INGREDIENTS:

Proprietary blend of Alkyl Aryl Polyethoxy Ethanol Phosphates and Organic Phosphatic Acids .....	50.00%
COMPONENTS INEFFECTIVE AS A BUFFER OR CONDITIONER .....	50.00%
TOTAL .....	100.00%

\*All ingredients are accepted for use under CFR 40, 180.

KEEP OUT OF REACH OF CHILDREN

### DANGER

Harmful if swallowed  
May be harmful in contact with skin  
Causes severe skin burns and eye damage  
May be harmful if inhaled



NET CONTENTS: □ 1 Gallon (3.785 Liters)  
□ 2.5 Gallons (9.46 Liters)

SN 032415

CORROSIVE LIQUIDS, N.O.S. (CONTAINS PHOSPHORIC ACID), UN1760

### MANUFACTURED FOR

HELENA CHEMICAL COMPANY  
225 SCHILLING BOULEVARD, SUITE 300  
COLLIERVILLE, TN 38017  
901-761-0050

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER

BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.

Harmful if swallowed. May be harmful in contact with skin. Causes severe skin burns and eye damage. May be harmful if inhaled. Keep product locked up and out of the reach of children. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse. Do not take internally. Avoid contact with or inhalation of spray application mist if present. Do not apply this product in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling. Not for human or animal consumption.

**Personal Protective Equipment (PPE):** Wear protective eyewear (goggles or face shield), chemical-resistant gloves, long-sleeved shirt and long pants, and shoes plus socks when using this product. Take off any contaminated clothing and wash before reuse.

### FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> <li>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF SWALLOWED:	<ul style="list-style-type: none"> <li>Call a POISON CENTER or doctor immediately.</li> <li>Rinse mouth. Do NOT induce vomiting.</li> <li>Do not give anything by mouth to an unconscious person.</li> <li>Immediately call a POISON CENTER or doctor.</li> </ul>
IF INHALED:	<ul style="list-style-type: none"> <li>Move person to fresh air and keep at rest in a position comfortable for breathing if they feel unwell.</li> <li>If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a POISON CENTER or doctor for treatment advice.</li> </ul>
IF ON SKIN OR HAIR:	<ul style="list-style-type: none"> <li>Take off immediately all contaminated clothing. Rinse skin with water or shower.</li> <li>Get medical attention if irritation develops or persists.</li> <li>Wash contaminated clothing before reuse.</li> </ul>

### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

### STORAGE AND DISPOSAL

Store in original container only. Keep container tightly closed, do not allow water to be introduced into the contents of this container. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment washwaters or spray waste. Do not store near heat or open flame. Do not store with oxidizing agents.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling or reconditioning, or puncture and dispose of according to state and local authorities. If burned, stay out of smoke. For help in chemical emergencies involving spill, leak, fire or exposure call toll free 1-800-424-9300.

### GENERAL INFORMATION

**BUFFER XTRA STRENGTH** is a buffering and conditioning agent designed to adjust the pH of alkaline waters, minimize hydrolysis of pesticides which tend to decompose in alkaline spray solutions, and to condition spray water. **BUFFER XTRA STRENGTH** also has the properties of a wetter/spreader surfactant and compatibility agent. **BUFFER XTRA STRENGTH** can positively affect pesticide spray application and pesticide efficacy. **BUFFER XTRA STRENGTH** is classified as an anionic spray adjuvant.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. Do not spray pesticides if conditions of thermal inversion exist, or if wind direction and speed may cause drift onto adjacent areas. With both aerial and ground applications, the use of a drift control or spray deposition additive (in accordance with pesticide label directions) may reduce the potential for drift to occur. Drift minimization is the responsibility of the applicator. Consult your local and state agricultural authorities for information regarding avoiding or minimizing spray drift.

### DIRECTIONS FOR USE

**IMPORTANT:** Read these entire Directions and Conditions of Sale, including the Warranty and Limitation of Damages provision, before using.

**FOR USE WITH PRODUCTS REGISTERED FOR:** AGRICULTURAL, AQUATIC, FORESTRY, INDUSTRIAL, MUNICIPAL, NON-CROPLAND, ORNAMENTAL, RIGHTS-OF-WAY, TURF AND OTHER USES.

Use 4 oz. to 2 pints of **BUFFER XTRA STRENGTH** per 100 gallons of water to lower and stabilize the pH of the spray solution. The rates of **BUFFER XTRA STRENGTH** may vary with water conditions and will depend upon the alkalinity of the water used or the presence of other products in the spray mix. The use of a pH measuring device is recommended for determining the optimum rate of **BUFFER XTRA STRENGTH**. Final spray solution pH for many pesticides should be in the 4-7 range.

**Note:** Spray mixes containing fixed copper (products such as cupric hydroxide, tribasic copper or copper oxychloride) should not be buffered below a pH of 5.0.

### METHOD OF ADDITION

Prior to any pesticide application, all spray mixing and application equipment must be clean. Carefully observe all cleaning directions on the pesticide label.

**BUFFER XTRA STRENGTH** should be added to the water in the spray tank with good agitation prior to mixing the pesticide. Do not mix **BUFFER XTRA STRENGTH** with undiluted pesticides.

**NOTICE:** These directions for use do not constitute a recommendation to use any product in any manner contrary to the directions of the manufacturer.

Follow directions carefully. Timing and method of application, weather and crop conditions and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

### CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

**Read the Conditions of Sale—Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.**

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

- Refund of the purchase price paid by buyer or user for product bought, or
- Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income.

**Disclaimer:** Always refer to the label on the product before using Helena or any other product.

The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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SPECIMEN LABEL

Disclaimer: Always refer to the label on the product before using Helena or any other product.