

# BRIMSTONE®

Buffer / Water Conditioner / Activator

FOR USE WITH HERBICIDES REGISTERED FOR AGRICULTURAL, INDUSTRIAL, RIGHTS-OF-WAY, NON-CROPLAND AND OTHER USES

PRINCIPAL FUNCTIONING AGENTS	% BY WT.
Monocarbamide dihydrogen sulfate, alkoxyated amine ethoxylate, propane-1,2,3-triol, alkyl glycol polyoxyethylene.....	80.00%
<b>CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANT</b> .....	<u>20.00%</u>
<b>TOTAL</b> .....	100.00%

Surfactant content.....28%

CA Reg. No 2935-50193

WA Reg. No. 2935-10002

**KEEP OUT OF REACH OF CHILDREN**



**DANGER**

May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and serious eye damage. May cause respiratory irritation.

### PRECAUTIONARY STATEMENTS

Do not breathe mist or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear rubber or chemical resistant gloves, protective clothing, and full face mask.

Keep only in original container. Absorb any spillage to prevent material damage.

FIRST AID	
If on skin (or hair):	<ul style="list-style-type: none"> <li>Remove immediately all contaminated clothing. Rinse skin with water.</li> <li>Wash contaminated clothing before reuse.</li> </ul>
If in eyes:	<ul style="list-style-type: none"> <li>Immediately rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>Immediately call a poison control center or doctor.</li> </ul>
If inhaled:	<ul style="list-style-type: none"> <li>Remove person to fresh air and keep comfortable for breathing.</li> </ul>
If swallowed:	<ul style="list-style-type: none"> <li>Rinse mouth.</li> <li>DO NOT induce vomiting.</li> <li>Call a poison control center or doctor if you feel unwell.</li> </ul>
<p><b>Have the product container with you when calling a poison control center or doctor, or going for treatment. You may also contact EMERGENCY TELEPHONE NUMBERS:</b>            (800) 424-9300 CHEMTREC (transportation and spills)            (800) 222-1222 Poison Control Center (human health)            (888) 426-4435 ASPCA (animal health)</p>	

## GENERAL INFORMATION

BRIMSTONE® is a special formulation of buffers, activators, and water conditioners designed to enhance the degree and speed of herbicide performance.

BRIMSTONE can improve both pesticide spray application and pesticide efficacy. BRIMSTONE can eliminate the antagonistic effects of hard water on herbicide efficacy. BRIMSTONE is designed primarily to be applied with herbicides which utilize glyphosate as the active ingredient. BRIMSTONE will adjust solutions to a low pH and tie up metal ions which can deactivate glyphosate and other sensitive pesticides. However, it is suitable and effective for most pesticides and nutritional products which can be used with wetter/spreader type adjuvants. Optimum application coverage and results can be influenced by many factors. Therefore, it is recommended that the applicator carefully observe the spray deposit and adjust the adjuvant rate accordingly to ensure thorough coverage with minimal plant runoff.

## DIRECTIONS FOR USE

The addition of an adjuvant to some pesticides or pesticide tank mix combinations may cause phytotoxicity to the foliage and/or fruit of susceptible crops. Prior to adding BRIMSTONE to spray tank mixes, the user or application advisor must have experience with the combination or must have conducted a trial to test for phytotoxicity. BRIMSTONE may be applied by ground or aerial spray equipment. For most applications, use enough BRIMSTONE to allow for uniform wetting and coverage of the spray onto leaf surfaces without undue plant runoff.

Not for Aquatic Use.

**MIXING:** Prior to making any pesticide application, all spray mixing and application equipment must be thoroughly cleaned. Carefully observe all cleaning directions on the pesticide label. Before mixing the individual components, always perform a compatibility jar test.

1. Fill spray tank one-half full with water and begin agitation.
2. Add BRIMSTONE and continue agitation.
3. Add pesticides and/or fertilizers as directed by the product label or use the following sequence:
  - A. Micronutrients and fertilizers
  - B. Dry flowables and water dispersible granules
  - C. Flowables
  - D. Water soluble pesticides
  - E. Emulsifiable concentrates
4. Continue agitation and complete filling of the spray tank.

Do not mix BRIMSTONE with undiluted pesticides.

Do not tank mix BRIMSTONE with 2,4-D Amine, Flexstar®, Flexstar® GT 3.5 or fomesafen as nozzle plugging could occur.

Do not mix BRIMSTONE with products that are based on DSMA or sulfonyleurea chemistry.

## USE RATES

**General Use:** Use 2-8 pints of BRIMSTONE per 100 gallons of spray by ground or air.

**Glyphosate or Sulfosate type Herbicides:** Use 2-8 pints of BRIMSTONE per 100 gallons of spray solution. When applying BRIMSTONE, over-the-top, to glyphosate-tolerant alfalfa, canola, corn, cotton, soybeans and sugar beets, do not exceed 4 pints per 100 gallons of spray solution.

**Water Conditioning:** Use 3-8 pints of BRIMSTONE per 100 gallons of spray solution when used as a substitute for 8.5-17 pounds of ammonium sulfate.

**Buffering:** To obtain an initial buffering effect, use a minimum of 3 pints per 100 gallons of spray. Rates may be adjusted to adapt to water condition variables. The use of a pH measuring device is recommended to determine a suitable BRIMSTONE rate.

**NOTE:** The above use recommendations are considered to be adequate for most uses. Some herbicides may require higher or lower rates for optimum effect. Follow the pesticide label directions when this variability occurs. Do not add BRIMSTONE at a level that would exceed 5% v/v of the finished spray volume.

## USE RESTRICTIONS

Do not tank mix BRIMSTONE with 2,4-D Amine, Flexstar<sup>®</sup>, Flexstar<sup>®</sup> GT 3.5 or fomesafen as nozzle plugging could occur.

Do not mix BRIMSTONE with products that are based on DSMA or sulfonyleurea chemistry.

Do not mix BRIMSTONE with undiluted pesticides.

Not for Aquatic Use

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

**STORAGE:** Store in a corrosive resistant container with a resistant liner. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**PRODUCT DISPOSAL:** Dispose of contents in accordance with all government regulations. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. Wastes resulting from the use of this product may be disposed of onsite or at an approved waste disposal facility.

**CONTAINER HANDLING:** Dispose of container in accordance with all government regulations. Triple rinse (or equivalent), then offer for recycling, if available, or reconditioning, if appropriate. Alternatively, puncture and dispose of the container in a sanitary landfill, or by other procedures approved by state and local authorities. Recycling cleaned containers is the best option of container disposal. ACRC (Agricultural Container Recycling Council) operates a national recycling program. To contact your state or local ACRC recycler, visit the ACRC web page at [www.acrecycle.org](http://www.acrecycle.org).

### Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using the product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

**ALL STATEMENTS MADE HEREIN ARE SUBJECT TO APPLICABLE LAW, AND TO THE EXTENT THERE IS ANY INCONSISTENCY OR CONTENTION, APPLICABLE LAW SHALL GOVERN.**

The Directions for Use of the product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of many different factors including, without limitation, manner of use or application, weather, combination with other products, or crop conditions. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Manufacturer and Seller harmless from any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label. EXCEPT FOR THIS WARRANTY, THE PRODUCT IS FURNISHED "AS-IS", AND NEITHER SELLER NOR MANUFACTURER MAKES ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER AND MANUFACTURER SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE BEYOND WHAT IS STATED ON THE LABEL. Buyer and User accept all risks arising from any use of this product, including without limitation, uses contrary to label instructions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or Manufacturer.**

Neither Manufacturer nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT.

These Conditions of Sale and Limitation of Warranty and Liability shall be interpreted, unless otherwise required by the law of the state of purchase, in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

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**In Case of Emergency, Call CHEMTREC:  
(800) 424-9300**

**WILBUR-ELLIS COMPANY LLC**  
P.O. BOX 16458 • FRESNO, CALIFORNIA 93755  
(559) 442-1220

**NET CONTENTS: \_\_\_\_\_ GALLON(S)**