

# SURFIX®

## DISPERSIBLE STICKER ADJUVANT FOR PESTICIDE SPRAYS

### \*PRINCIPAL FUNCTIONING AGENT:

Beta pinene polymers .....	96.00%
Constituents ineffective as an adjuvant .....	4.00%
TOTAL .....	100.00%

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

KEEP OUT OF REACH OF CHILDREN

### WARNING

May be harmful if swallowed  
May be harmful in contact with skin  
Causes eye irritation  
Causes mild skin irritation  
May be harmful if inhaled

NET CONTENTS: SN 040715

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

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### WARNING

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

May be harmful if swallowed. May be harmful in contact with skin. Causes eye irritation. Causes mild skin irritation. 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

<b>IF IN EYES:</b>	<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>
<b>IF SWALLOWED:</b>	<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>
<b>IF INHALED:</b>	<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>
<b>IF ON SKIN OR HAIR:</b>	<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

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

**STORAGE:** Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate. Keep locked up and out of the reach of children

**CONTAINER DISPOSAL:** Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading and add rinse water to spray tank. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at [www.acrcycle.org](http://www.acrcycle.org). Decontaminated containers may also be disposed of in a sanitary landfill.

For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

### GENERAL INFORMATION

SURFIX® is an emulsifiable, dispersible sticker adjuvant. SURFIX® is designed to improve the application efficiency of pesticides by modifying the contact, wetting and adhesion of the pesticide onto the plant surfaces and can be used with a broad range of pesticides and nutrients. SURFIX® can positively affect pesticide spray application and pesticide efficacy. Optimum application and effects, however, can be influenced by the crop, pest, spray equipment, spray volume, pressure, droplet size, spray mixture and environmental factors. Consequently, it is recommended that careful observations of the spray deposit be made and adjuvant concentrations be adjusted accordingly. Under most conditions, apply spray containing SURFIX® at least one hour, during daylight, before an anticipated rain. Rinse tank, lines and nozzles immediately after spraying, with water. After rinsing, there may still be a small amount of sticky residue in the tank. This will help to prevent rusting and corrosion. It will not clog nozzles when spray is next used. If spray happens to land onto undesired surfaces, such as windows, cars, application equipment or others, it can be removed with soap and water before the spray deposit is dry, with premium grade or white kerosene after film has dried or set. To remove dried deposits from painted car surfaces, use standard tar remover products designed for use on painted car finishes.

### DIRECTIONS FOR USE

**FOR USE WITH PRODUCTS REGISTERED FOR: AGRICULTURAL, FORESTRY, INDUSTRIAL, MUNICIPAL, NON-CROPLAND, ORNAMENTAL, RIGHTS-OF-WAY, TURF AND OTHER USES. NOT FOR AQUATIC 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 the addition of SURFIX® to spray tank mixes and/or prior to the application of SURFIX® with a pesticide and/or fertilizer where a spreader/sticker adjuvant is not specifically recommended but not prohibited by the products' label, the user or application advisor must have experience with the combination under similar environmental and crop cultural conditions and/or have conducted a phytotoxicity trial under similar environmental and crop cultural conditions.

SURFIX® may be applied by ground or air spray equipment. In most applications, use enough SURFIX® to allow for uniform wetting and deposition of the spray onto leaf surfaces without undue runoff.

**GROUND:** Dosage per 100 gallons of spray solution for dilute applications. For concentrate applications, apply the dosage on a per acre basis using a maximum of 200 gpa. Use 4 to 6 oz. per acre for maximum effect.

Defoliants and Desiccants	4 oz. to 1 pt.
Fungicides, Insecticides, Acaricides	4 oz. to 1 pt.
Herbicides	4 oz. to 1 pt.

**AIR:** For maximum effect use 4-6 oz. per acre. For general application rates use 1-2 pts per 100 gallons of spray solution.

**NOTE:** The above use recommendations are considered to be adequate for most uses. Some pesticides, however, may require higher or lower rates for optimum effect. Follow the pesticide label directions when this occurs.

### MIXING

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

Fill spray tank one-half full with water and begin agitation. Add pesticide and/or fertilizers as directed by labeling or in the following sequence:

1. Dry flowables or water dispersible granules
2. Wettable powders
3. Flowables
4. Solutions
5. Emulsifiable concentrates

and continue filling. Add SURFIX® last and continue agitation.

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

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**CONDITIONS OF SALE–LIMITED WARRANTY  
AND LIMITATIONS OF LIABILITY AND REMEDIES**

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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:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. 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. 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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