

## Helena

**Surfix®****NONIONIC SPRAY ADJUVANT FOR PESTICIDE SPRAYS****\*ACTIVE INGREDIENTS:**

Beta pinene polymers .....	96.0%
Components ineffective as adjuvants .....	4.0%

TOTAL ..... 100.00%

\*All ingredients are accepted for use under CFR 40, 180.1001(c)  
SN 1201/0202

**KEEP OUT OF REACH OF CHILDREN****CAUTION**

See Inside Panel for Additional Precautionary Statements.

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

Avoid contact with formulated product. Do not take internally. Avoid contact with or inhalation of the spray mist. Follow all precautionary statements on the accompanying pesticide(s) label(s).

**WHAT TO DO IN CASE OF CONTACT:**

**If on Skin:** Remove contaminated clothing and wash with soap and water. Call a physician if irritation persists.

**If Swallowed:** Do not induce vomiting. Immediately call a physician.

**If In Eyes:** Flush eyes with clean water for 15 minutes. Immediately call a physician.

**If Inhaled:** Move to fresh air and call a physician if irritation develops or persists. If contact is made with a spray solution containing pesticides, follow the "Statement of Practical Treatment/First Aid" on the pesticide label(s).

**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 and open flame. Do not store with oxidizing agents or ammonium nitrate.

**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**

**SURFIX®** is an emulsifiable, nonionic, spreader-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.**

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.

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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.

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