

Helena

**Kinetic®**

MOLECULAR ZIPPERING ACTION™ BRAND  
A NONIONIC WETTER/SPREADER/PENETRANT ADJUVANT  
CPDA Certified

## ACTIVE INGREDIENTS:

\*Proprietary blend of polyalkyleneoxide modified polydimethylsiloxane and polyoxypropylene-polyoxyethylene copolymers ..... 99.00%  
CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANT..... 1.00%

TOTAL ..... 100.00%

Surfactant Content: ..... 99.00%

All ingredients are exempt from the requirements of a tolerance as specified in CFR 40,180.

\* This product contains organosilicone surfactant.

CAS#37281-78-0, 9003-11-6

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

See Below for Additional Precautionary Statements

SN 0902/1205

NET CONTENTS:  1 Gallon (3.785 Liters)

Patent No. 5,104,647

 55 Gallons (208.18 Liters)

MANUFACTURED FOR  
HELENA CHEMICAL COMPANY  
225 SCHILLING BOULEVARD, SUITE 300  
COLLIERVILLE TENNESSEE 38017

**PRECAUTIONARY STATEMENT**

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

Harmful if inhaled. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes, or clothing. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. In addition, follow precautionary statements on the accompanying pesticide(s) label.

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

**IF INHALED:** Move victim to fresh air. Give artificial respiration if needed. See a physician.

**IF SWALLOWED:** Give a large amount of water to drink, make person vomit and immediately call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF IN EYES:** Immediately flush eyes with clean water for at least 15 minutes. See a physician.

**IF ON SKIN:** Remove contaminated clothing and wash skin with soap and water. Call a physician if irritation persists.

If contact is made with the spray solution containing pesticides, follow the "Statement of Practical Treatment/First Aid" on the pesticide(s) label.

**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.

**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**

**KINETIC®** is a unique and superior nonionic wetting agent. **KINETIC®** allows for the rapid spreading and absorption of pesticide and nutritional sprays into the plant leaves and stems and is especially effective with water based herbicide formulations. Subject to the cautionary use statements set forth in the Directions for Use, **KINETIC®** may be used with other pesticide and/or fertilizer products. Optimum application and consequent effects can be influenced by many factors. Consequently, it is recommended that careful observation of the spray deposit be made and adjuvant rates be adjusted accordingly. Applications should be made to insure thorough coverage without excessive runoff of the application spray. **KINETIC®** can positively affect pesticide spray application and pesticide efficacy. **KINETIC®** is recommended for use with those pesticides whose label recommends a nonionic wetter/spreader type 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 spray 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

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applicator. Consult your local and state agricultural authorities for information regarding avoiding or minimizing spray drift.

**DIRECTIONS FOR USE**

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

Ground, CDA: For optimum results use 12 ounces to 64 ounces per 100 gallons of spray.

Aerial: Use 32 ounces to 64 ounces per 100 gallons of spray.

Aquatic: Use 8 ounces to 32 ounces per 100 gallons of spray.

General Wetter/Spreader: Use 6 ounces to 12 ounces per 100 gallons of spray.

**KINETIC®** is also recommended for use with non-selective herbicides and other pesticides including those used to desiccate or defoliate.

**Note:** Do not use **KINETIC®** in spray tank mixes with Gibberellin or Gibberellic acid products to be used on any citrus crop (citrus spp., fortunella spp.) grown for fresh market.

The crop and rate guidelines are for use with pesticides whose labels recommend the use of a nonionic surfactant. Some pesticides, however, may require higher or lower surfactant rates for optimum effect. Follow the pesticide label directions when this occurs. Prior to the addition of **KINETIC®** to spray tank mixes or use with a pesticide or fertilizer where a nonionic adjuvant is not specifically recommended but not prohibited by the manufacturer, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial.

For improved water penetration of hard to wet soils and the uniform distribution of applied moisture:

Lawns and Turf: Use **KINETIC®** at .05%-.125% v/v concentration.

Greens and Tees: Use **KINETIC®** at .05%-.125% v/v concentration.

Deep Feeding Trees: Use **KINETIC®** at .10%-.20% v/v concentration.

Applications of **KINETIC®** through irrigation injection systems are possible provided that recommended use rates and dilutions are maintained and local, state, and federal guidelines are followed.

**MIXING**

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

- To prevent or minimize foaming fill tank to  $\frac{2}{3}$  to  $\frac{3}{4}$  full of water. If foaming is anticipated the addition of an antifoaming agent, such as **FOAM BUSTER™**, should be added before pesticides, nutrients, or **KINETIC®** is added.
- Add pesticides and/or fertilizers as directed by label or in the following sequence:
  - Micronutrients and fertilizers
  - Dry flowables and dispersible granules
  - Flowables
  - Water soluble pesticides
  - Emulsifiable concentrates
- Continue agitation.
- Add **KINETIC®** and mix for 1 to 2 minutes with lower than normal agitation.
- Continue filling tank maintaining minimal agitation.
- For optimum results, spray mixes containing **KINETIC®** should be applied within 36 hours after mixing. Application should be made sooner when the spray mixture is greater than pH 8.0 or lower than pH 6.0.

**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 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, 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 the 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. 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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FOAM BUSTER™ is a trademark of Helena Holding Company.

**Disclaimer:** Always refer to the label on the product before using Helena or any other product. VID 12.16.05