

## SPECIMEN LABEL

# Aero Dyne-Amic®

## BUFFERED OIL/ORGANOSILICONE BASED ADJUVANT FOR AERIAL APPLICATIONS

### ACTIVE INGREDIENTS\*: (BY WEIGHT):

Proprietary Blend of Ethoxylated Alkyl Phosphate esters, polyalkyleneoxide modified polydimethyl-siloxane, nonionic emulsifiers, and methylated vegetable oils.....	98.00%
Ingredients ineffective as spray adjuvant .....	2.00%
<b>TOTAL</b> .....	<b>100.00%</b>

\*All ingredients are accepted for use under CFR 40, 180.1001 (c & d).

This product contains organosilicone surfactant.

This product contains patented technology.

Patent Numbers 5,558,806•RE 37,313•5,741,502•5,580,567

### KEEP OUT OF REACH OF CHILDREN

## DANGER

**Causes irreversible eye damage. Causes skin irritation**

SEE INSIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

SN: 1004/0405

NET CONTENTS:

### MANUFACTURED BY

HELENA CHEMICAL COMPANY  
225 SCHILLING BOULEVARD, SUITE 300  
COLLIERVILLE, TN 38017

### PRECAUTIONARY STATEMENTS

## DANGER

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

Formulated product causes irreversible eye damage. Causes skin irritation. Do not get in eyes. Avoid contact with skin and clothing. Always wear goggles or face shield when handling this product. Wash exposed areas of skin thoroughly after use. May be harmful if swallowed or absorbed through skin. Avoid breathing spray mist. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The degree of spray application drift hazards varies with type of pesticide, application conditions, and vegetation near the spray area. Drift minimization is the responsibility of the applicator. Always consult your local and state agricultural authorities for information regarding avoiding or minimizing spray drift. In addition, follow precautionary statements on accompanying pesticide label(s).

### 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 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 packages tightly closed and do not allow water to be introduced to container contents. Do not store this product near heat or open flame. Do not store or ship this product with oxidizing agents.

**Container Disposal:** Triple rinse (or equivalent) and add rinsate to spray application equipment. Empty packaging should be offered for recycling or disposal in accordance with Federal, State, and Local authorities. If packaging is 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

**AERO DYNE-AMIC®** is a proprietary formulation of organosilicone surfactants, oils, emulsifiers, and buffering agents specifically designed for use with insecticides and fungicides that are applied by aerial application. The addition of **AERO DYNE-AMIC®** to a spray tank improves pesticide application by modifying the wetting, spreading, penetration, and deposition characteristics of the applied spray mix. In addition, **AERO DYNE-AMIC®** acts as a buffer and can prevent the decomposition of pesticide active ingredients by adjusting the pH of alkaline water to a more favorable range. **AERO DYNE-AMIC®** is an activator type adjuvant and can positively affect pesticide spray application and pesticide efficacy. Optimum application and effects, however, can be influenced by the crop, pest,

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

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 **AERO DYNE-AMIC®** rates be adjusted accordingly.

### DIRECTIONS FOR USE

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

The addition of a spray adjuvant to some pesticides, pesticide combinations, and/or fertilizers may cause phytotoxicity to the foliage and/or fruit of susceptible crops or non-targeted vegetation. Prior to the application of **AERO DYNE-AMIC®** to a spray mix, the user or applicator must have experience with the combination or must have conducted a phytotoxicity trial.

**AERO DYNE-AMIC®** is designed for use in aerial spray equipment. In most cases use enough **AERO DYNE-AMIC®** to allow for uniform deposition and wetting of the spray mix onto leaf surfaces without undue runoff, evaporation, and/or to optimize pH conditions.

### WHEN USED FOR DEPOSITION WETTING, SPREADING, AND PENETRATION:

Use 2 - 3 ounces in 1 to 3 gallons of total spray per acre. This is equivalent to 0.50% - 2.0% by volume, or 2 to 8 qts./100 gallons of spray.

Use 6 - 13 ounces in 4 to 10 gallons of total spray per acre. This is equivalent to 0.50% - 1.0% by volume, or 2 to 4 qts./100 gallons of spray.

In spray applications greater than 10 gallons per acre, **AERO DYNE-AMIC®** should be used at a minimum of .50% by volume or 2 quarts per 100 gallons of spray mix.

### WHEN USED AS A BUFFERING AGENT:

A minimum of .5% by volume or 2 quarts/100 gallons of water is recommended when **AERO DYNE-AMIC®** is used as a buffering agent. Generally, optimum pesticide activity is achieved when the spray mix is in the 4 - 7 pH range or slightly acidic. The use of a pH measuring device is recommended.

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 all pesticide label directions when this occurs or monitor the spray and the effects and adjust the rates accordingly.

CAUTION: Do not add **AERO DYNE-AMIC®** to spray mixes that contain fixed copper fungicides, DSMA, sulphonyl urea herbicides, or any product that should not be mixed with acidic materials. Do not mix with oxidizing agents unless these materials are in solution.

**AERO DYNE-AMIC** may not economically lower the pH of a spray mix containing an alkaline buffer.

### MIXING

(1) 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 2/3 to 3/4 full of water and add an anti-foaming agent, such as **FOAM BUSTER™** or **COMBAT PLUS®** to the spray tank before other components are added.

(2) Add pesticides and/or fertilizers as directed by label or in the following sequence:

- Micronutrients and fertilizers
- Dry flowables and dispersible granules
- Wettable powders
- Flowables
- Water soluble pesticides
- Emulsifiable concentrates

(3) Continue agitation

(4) Add **AERO DYNE-AMIC®** and mix for 1 to 2 minutes with lower than normal agitation to minimize foam generation. Continue filling tank with the remaining amount of required water.

NOTES: For optimum results, spray mixes containing **AERO DYNE-AMIC®** should be applied within 36 hours of preparation.

**NEVER** add **AERO DYNE-AMIC®** directly to undiluted pesticides!

Terminology on this label is consistent with definitions approved by Subcommittee E-35.22 on Pesticide Formulations and Application Systems under the jurisdiction of ASTM Subcommittee E-35.

### 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

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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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