

Aero Dyne-Amic

BUFFERED OIL/ORGANOSILICONE BASED ADJUVANT FOR AERIAL AND GROUND APPLICATIONS

PRINCIPAL FUNCTIONING AGENTS:

Proprietary Blend of Ethoxylated Alkyl Phosphate esters, methyl esters of fatty acids and polyalkyleneoxide modified polydimethyl-siloxane	99.00%
Constituents ineffective as spray adjuvant	1.00%
TOTAL	100.00%

All ingredients are accepted for use under CFR 40, 180.1001 (c & d).
This product contains organosilicone surfactant.
This product contains patented technology.

KEEP OUT OF REACH OF CHILDREN

DANGER

Causes serious eye damage
Causes skin irritation
Harmful if inhaled
May be harmful if swallowed
May be harmful in contact with skin



CASN 050415G

CA Reg. No. 5905-50080-AA
NET CONTENTS:

MANUFACTURED FOR

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



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

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

Corrosive. Causes serious eye damage. Causes skin irritation. Harmful if inhaled. May be harmful if swallowed. May be harmful in contact with skin. 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

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 15 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

IF ON SKIN:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have the person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of

gastric lavage.

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) during mixing and loading. 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.acrecycle.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

AERO DYNE-AMIC® is a proprietary formulation of organosilicone surfactants, oils, emulsifiers, and buffering agents designed for use with insecticides and fungicides that are applied by aerial application. It may also be applied by ground application. **AERO DYNE-AMIC®** is an activator type adjuvant. The addition of **AERO DYNE-AMIC®** to a spray tank improves pesticide application by modifying the wetting and spreading characteristics of the applied spray mix. In addition, **AERO DYNE-AMIC®** acts as a buffer and can prevent the decomposition of those pesticide active ingredients that are affected by alkaline hydrolysis by adjusting the pH of alkaline water to a more favorable range. 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 **AERO DYNE-AMIC®** rates be adjusted accordingly.

DIRECTIONS FOR USE

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

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).

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.

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, and/or to optimize pH conditions in the spray mix.

WHEN USED FOR WETTING AND SPREADING:

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

In 4 to 10 gallons of total spray per acre, use 6 - 13 ounces. This is equivalent to 0.50% - 1.0% by volume, or 2 to 4 quarts/100 gallons of spray. By ground, use 2 to 8 quarts per 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 0.50% 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(s) label(s) directions when this occurs or monitor the spray and the effects and adjust the rates accordingly.

NOTE: 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 should 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™** to the spray tank before other components are added.

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

2. Add pesticides and/or fertilizers as directed by label or in the following sequence:
 - A. Micronutrients and fertilizers
 - B. Dry flowables and dispersible granules
 - C. Wettable powders
 - D. Flowables
 - E. Water soluble pesticides
 - F. 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: NEVER add AERO DYNE-AMIC® directly to undiluted pesticides! For optimum results, spray mixes containing AERO DYNE-AMIC® should be applied within 36 hours of preparation.

Terminology on this label is consistent with definitions approved by Subcommittee E-35.22 on Pesticide Formulations and Application Systems.

**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 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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