

Laying the Foundation

# GROUND<sup>ED</sup>

## SPRAY APPLICATION DEPOSITION AID WITH DRIFT REDUCTION TECHNOLOGY

### PRINCIPAL FUNCTIONING AGENTS:

Proprietary Blend of Aliphatic Hydrocarbons, Hexahydric Alcohol Ethoxylates and C <sub>18</sub> -C <sub>20</sub> Fatty Acids and Alkanolamides	99.00%
<b>Components ineffective as adjuvant</b>	1.00%
<b>TOTAL</b>	100.00%

All ingredients are accepted for use under CFR 40, 180.0  
Patent No. 5,906,961

## KEEP OUT OF REACH OF CHILDREN WARNING

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

See Inside Panel for Additional Precautionary Statements

SN 020515

- NET CONTENTS:  2.5 Gallons (9.46 Liters)  
 30 Gallons (113.55 Liters)  
 55 Gallons (208.18 Liters)  
 250 Gallons (946.25 Liters)

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.**

Causes mild skin irritation. Causes eye irritation. May be harmful if inhaled. May be harmful if swallowed. May be harmful in contact with skin. Avoid contact with eyes and prolonged contact with skin to avoid irritation. Avoid breathing spray mist. 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 the spray mist. 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.

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

## FIRST AID

<b>IF ON SKIN:</b>	<ul style="list-style-type: none"><li>Remove contaminated clothing and wash skin with soap and water.</li><li>Call a physician if irritation persists.</li></ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>Do not induce vomiting.</li><li>Immediately call a physician.</li></ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>Flush eyes with clean water for 15 minutes.</li><li>Call a physician if irritation persists.</li></ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"><li>Move to fresh air and call a physician, if irritation develops or persists.</li></ul>

If contact is made with the spray solution containing pesticides, follow the "Statement of Practical Treatment/First Aid" on the pesticide 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 store with oxidizing agents or ammonium nitrate.

Do not contaminate water sources by cleaning of equipment or disposal of rinse-water.

Dispose of empty containers by triple rinsing (or equivalent) with water and pouring rinsate into spray tank. Recycle rinsed containers whenever possible or puncture and discard empty containers in a landfill in accordance with current local, state, International and federal regulations.

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

## GENERAL INFORMATION

**GROUND<sup>ED</sup>**® is a specialized blend of surfactants and aliphatic hydrocarbons designed to enhance the deposition and absorption of both ground and aerial spray applications. Subject to the cautionary statements set forth in the Directions for Use, **GROUND<sup>ED</sup>**® may be used with both pesticide and/or fertilizer products. The addition of **GROUND<sup>ED</sup>**® to a spray tank may improve the spray application by reducing splash and subsequent scattering of the spray droplets on equipment and nontarget surfaces. Efficacy of fertilizer and pesticide products may be improved by increasing adsorption of the applied spray mix by soil resulting in a reduced potential for leaching away of the active ingredient. **GROUND<sup>ED</sup>**® is particularly effective with some herbicides in sandy soils that are low in organic content. **GROUND<sup>ED</sup>**® is compatible with all nozzles and has been shown not to negatively affect nozzle pattern. It may also be useful in increasing the rate and degree that the applied pesticides and/or fertilizers are absorbed by plant surfaces. **GROUND<sup>ED</sup>**® is particularly effective with some herbicides in sandy soils that are low in organic content. Optimum application and effects, however, can be influenced by the crop, pest, spray equipment, soil type, spray volume, pressure, droplet size, and environmental and other factors. Consequently, it is recommended that careful observations of the spray application be made and **GROUND<sup>ED</sup>**® rates adjusted accordingly.

## DIRECTIONS FOR USE

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

The addition of additives to some pesticides, fertilizers, and tank mixes may cause phytotoxicity to the foliage and/or fruit of susceptible plants. Prior to the addition of **GROUND<sup>ED</sup>**® to fertilizers and pesticides where the addition of surfactants 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 ground applications of **GROUND<sup>ED</sup>**® with ground applied pesticides, use 1-4 pints per acre in 5-30 gallons of spray.

For aerial applications of **GROUND<sup>ED</sup>**®, use 6-16 oz/acre. A minimum of 1.0% by volume is recommended for Aerial and Low Volume spray applications.

**DRIFTABLE FINE MINIMIZATION:** For all applications - a minimum of 1.0% by volume (or 1 gallon per 100 gallons of spray mix) must be used.

**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.

**CAUTION:** Do not mix oxidizing agents unless oxidizing agents are in solution.

## 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 pesticides 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 **GROUND<sup>ED</sup>**® 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 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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