

ZANDAR™

Penetrant – Acidifier – Surfactant



PRINCIPAL FUNCTIONING AGENTS:

Phosphatidylcholine, methylacetic acid and alkyl polyoxyethylene ether 80.0%

CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANT: 20.0%

TOTAL 100.0%

Ingredients exempt from tolerance under 40 CFR 180.

KEEP OUT OF REACH OF CHILDREN

DANGER

May be harmful if swallowed
May be harmful in contact with skin
Causes severe skin burns and eye damage
May be harmful if inhaled



NET CONTENTS:

SN 011314/0415

MANUFACTURED FOR

HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TENNESSEE 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.

May be harmful if swallowed. May be harmful in contact with skin. Causes severe skin burns and eye damage. May be harmful if inhaled. 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 ON SKIN OR CLOTHING:

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

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have 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 or convulsing person.

IF INHALED:

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

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: 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 near heat or open flame. Do not store with oxidizing agents or ammonium nitrate. Keep locked up and out of the reach of children

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading and add rinse water to spray tank. 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.

ENVIRONMENTAL HAZARDS

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

USE INFORMATION

ZANDAR™, when used as a surfactant, enhances activity and the effectiveness of agricultural chemicals such as acaricides, defoliants, desiccants, fungicides, foliar nutrients, herbicides, insecticides and plant growth regulators. When this product is used as a penetrant, a more uniform coverage is provided by decreasing surface tension of spray solutions. This product can be used as an acidifier to lower pH of spraying solutions to prevent alkaline hydrolysis of pesticides sensitive to high pH.

DIRECTIONS FOR USE

ZANDAR™ may be used on a wide variety of crops including fruits, vegetables, row crops, tree nut crops, citrus, small grains, forage crops, vine crops, turf or in non-crop sites, aquatic (including wetlands), forestry, industrial, grasslands, rights-of-way, turf, and ornamentals. Application may be done by ground or aerial equipment. For all applications of this product, read and follow the "Directions for Use" on the pesticide(s) label(s). Always refer to the pesticide and additive label(s) for additional directions or precautions. Follow the most restrictive label. Prior to use with any pesticide, all spray mixing and application equipment should be thoroughly cleaned. Observe all cleaning instructions on the label(s) of the pesticide(s) to be used. The use of test areas is recommended where field or use experience is limited. Do not add adjuvant to a level that exceeds 5% of the finished spray volume.

USE RATES

Defoliants, Desiccants, Herbicides: Apply 1 to 4 pints of this product per 100 gallons of spray mixture when used as a surfactant or penetrant.

Apply 12 to 32 ounces of this product per acre when used in place of crop oil concentrates.

Acaricides, Fungicides, Insecticides, Plant Growth Regulators and Foliar Nutrients:

Apply 8 to 32 ounces of this product per 100 gallons of spray mixture.

Industrial Spraying, Ornamentals, Turf: Apply 1 to 3 ounces of this product per 5 gallons of spray mixture. All ornamentals and turf species have not been tested with this product. Before treating a large area, test on a small area and observe for 48 hours prior to full scale application.

Non Crop Sites: 1 to 6 ounces of product per 5 gallons of spray mixture.

Acidifier: Apply 4 to 8 ounces of this product per 100 gallons of spray mixture for mildly alkaline or acid water (pH 6.5 to 8). Apply 8 to 16 ounces of this product per 100 gallons of spray mixture for highly alkaline water (pH 8 or higher).

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 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 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:

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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SPECIMEN LABEL

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