

# AD-SPRAY™ SC

Wetting Agent For Soil And Horticultural Growing Media

## ACTIVE INGREDIENTS:

25.00%	Ammonium Lauryl Sulfate
7.00%	Butanol
3.00%	Glycerine
65.00%	Inert Ingredients
100.00%	TOTAL

KEEP OUT OF REACH OF CHILDREN

## DANGER

May be harmful if swallowed  
May be harmful in contact with skin  
Causes serious eye damage  
Causes mild skin irritation  
May be harmful if inhaled  
Combustible liquid



NET CONTENTS: 2.5 Gallon (9.46 Liters)

GSN 040215

Information regarding the contents and levels of metals in this product is available on the Internet at: <http://www.aapfco.org/metals.htm>

F224

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.

May be harmful if swallowed. May be harmful in contact with skin. Causes serious eye damage. Causes mild skin irritation. May be harmful if inhaled. Combustible liquid. Keep away from heat/sparks/open flames/hot surfaces. 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 eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
IF ON SKIN:	Wash with plenty of soap and water. Get medical attention if irritation persists.
IF SWALLOWED:	Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.
IF INHALED:	Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention if irritation persists.

### STORAGE AND DISPOSAL

Store in original container only in a well-ventilated place. Keep cool. 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. Do not store with oxidizing agents.

**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.

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

## GENERAL INFORMATION

AD-SPRAY™ SC is a unique blend of surfactants designed to enhance the penetration of water-based sprays through plant foliage and soil. AD-SPRAY™ SC is an effective wetting agent for potting, growing media, and difficult-to-wet soils.

## DIRECTIONS FOR USE

### AS A GENERAL WETTING AGENT:

AD-SPRAY™ SC may be used with products designed for the following applications: Agricultural, aquatic, forestry, industrial, non-cropland, ornamental, rights-of-way, turf, and others.

### USE RATES (General):

Use 1-4 pints per acre in sufficient water to ensure penetration of water-based sprays through foliage and soil.

### AS A WETTING AGENT FOR HORTICULTURAL GROWING MEDIA:

AD-SPRAY™ SC is intended for incorporation into growing media used for horticulture.

### USE RATES:

For media used in flats, pots, hanging baskets and nursery containers: Apply 0.5 to 1 teaspoon per 2 gallons of water into each cubic yard of media. It is recommended that the solution be sprayed onto media while the media is blending to ensure even application. (Note: 0.5 to 1 teaspoon in 2 gallons is equal to 4 to 8 ounces per 100 gallons.)

### FOR USE IN INJECTION SYSTEMS:

For constant daily feeding of container plants: Use 10 ppm of AD-SPRAY™ SC in injection water (1-¼ oz. per 1000 gallons).

For weekly feeding of container plants: Use 100 ppm of AD-SPRAY™ SC in injection water (12-½ oz. per 1000 gallons).

### AD-SPRAY™ SC Maintenance Program

Rate of AD-SPRAY™ SC	Injector ratio desired				
	1:300	1:200	1:150	1:100	1:5
(ounces of AD-SPRAY™ SC per gallon of stock solution)					
10 ppm	0.4	0.3	0.2	0.1	0.06
100 ppm	3.8	2.6	1.9	1.3	0.6

### SOIL WETTING:

For use as an aid in wetting compacted or crusted soils, use 4 ounces of AD-SPRAY™ SC per acre. For heavy clay soils, two applications of 4 ounces per acre are recommended.

## 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.

This label is believed to be reliable and must be followed carefully. 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 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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