

Nonionic Surfactant

PRINCIPAL FUNCTIONING AGENTS

Alkyl Polyethoxy Ethers, Ethoxylated Derivatives and IPA.....	90%
Constituents ineffective as spray adjuvant	10%
TOTAL.....	100%

All ingredients are approved for use under 40 CFR 180

KEEP OUT OF REACH OF CHILDREN WARNING

PRECAUTIONARY STATEMENTS

Causes eye irritation. If medical advice is needed, have product container or label at hand. Read label before use. Wash protective equipment and work clothes thoroughly after handling. Specific treatment is given in the First Aid section on this label or on the SDS.

PERSONAL PROTECTIVE EQUIPMENT (PPE)



Applicators or other handlers of this product must wear: long-sleeved shirt; long pants; socks; shoes; barrier laminate, neoprene rubber, nitrile rubber or viton gloves and protective eyewear. Consult the SDS for further information.

FIRST AID

If Swallowed: Call a POISON CENTER/doctor or Chemtrec if person feels unwell. Rinse mouth. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any fluids to an unconscious person.

If In Eyes: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER/doctor or Chemtrec if person feels unwell.

If On Skin: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention.

If Inhaled: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER/doctor or Chemtrec if person feels unwell.

GENERAL INFORMATION

ASTUTE is a nonionic surfactant formulated to offer superior wetting, spreading and handling characteristics when compared to first generation nonionic surfactants. It significantly reduces the surface tension of aqueous solutions which enhances spreading on the leaf surface and reduces runoff. The wetting characteristics of ASTUTE aid in the penetration, absorption and translocation of herbicides within the plant. It is easy to use and is compatible with a wide range of pesticide combinations. It also contains a defoaming system that eliminates foam during mixing.

DIRECTIONS FOR USE

The addition of adjuvants to some pesticides and/or fertilizers and their tank mixes may cause phytotoxicity to the foliage and/or fruit of desirable crops. Before using ASTUTE, the applicator or crops

advisor must have experience with the pesticide combination, including ASTUTE, or must have conducted a phytotoxicity test.

SHAKE WELL BEFORE USING.

FOR USE WITH PESTICIDES REGISTERED FOR AGRICULTURAL, AQUATIC, FORESTRY, INDUSTRIAL, MUNICIPAL, NONCROPLAND, RIGHTS-OF-WAY, AND OTHER APPROPRIATE USES

USE RATES

0.0675–0.5% v/v (0.5–4 pints per 100 gallons of spray solution).

MIXING

In the absence of specific mixing instructions found on the pesticide label, fill the spray tank with at least 50% of the desired finished carrier volume. When premixing in a mixing vessel or inductor, fill with at least 20% of the desired finished carrier volume. While the carrier is agitating, add tank mix ingredients in the following order:

1. Compatibility agent and/or antifoam, if needed
2. AMS, dry formulations (WP, DF, WDG, SP), and dry drift retardants
3. Dry soluble and suspension fertilizers / micronutrients
4. Liquid drift retardants and flowable formulations (F & FL)
5. Liquid concentrates, suspension and microencapsulated (LC, SC, ME)
6. Emulsifiable concentrates (E, EL or EC)
7. Solutions and soluble liquids (S or SL)
8. Liquid micronutrients and fertilizers
9. Water conditioners and other adjuvants (COC, HSOC, MSO, NIS)
10. Finish filling to desired spray volume level and continue agitation

STORAGE AND DISPOSAL

Protect product from freezing. *If product freezes, warm to room temperature before use.* Keep containers sealed when not in use. Store in original container only. Do not reuse empty container. 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 and materials must be disposed of in a manner allowed by local, state and federal laws and regulations.

CONDITIONS OF SALE

MFA Incorporated warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the complete Directions For Use ("Directions") when used in accordance with those Directions under the conditions described herein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

Upon opening and using this product, buyer and all users are deemed to have accepted the terms of this Warranty and Limitation of Damages which may not be varied by any verbal or written agreement. If terms are not acceptable, return at once unopened.

S P E C I M E N L A B E L