

TECHNICAL BULLETIN

DESCRIPTION

SURFACT™ is a multi-purpose wetting agent and surfactant formula made with a powerful surface active agent that works synergistically to enhance irrigation efficiency and soil moisture levels as it buffers salts for maximum performance.

SURFACT™ also enhances fertilizer, herbicide and insecticide efficiency by enhancing penetration and absorption and by neutralizing mineral salts in the tank water.

APPLICATION

SHAKE WELL OR STIR BEFORE USE.

GENERAL WATER PENETRATION: Apply 1.0-3.0 quarts per acre via fertigation, water-run, or diluted in a sprayer followed by irrigation cycle or rainfall. Repeat as needed.

FERTILIZERS, HERBICIDES AND INSECTICIDES: Add 0.3-1.0 quart per 100 gallons of water while filling tank and before addition of chemicals. Use higher rate for mineralized or hard water sources.

IMPROVED SEEDLING EMERGENCE: Apply 0.5-1.0 quart per acre to improve seedling germination and emergence. Apply by fertigation, water-run or spray directly over seed row separately, or tank mixed with fertilizers.

TRANSPLANTING: Dilute 0.3-0.5 quarts per 100 gallons of transplant water. Deep water at planting.

FALLOW/PLANTING BED TREATMENT: Apply 0.5-1.0 quart per acre to fallow beds followed by irrigation or rainfall to improve water infiltration and reduce water run-off. Use higher rate in compacted or high sodium soils.

PHYSICAL CHARACTERISTICS

Weight: 9.1 lbs./gal.

pH Range: 8.0-9.0

Enzymatic activity may affect pH during storage.

AVAILABILITY

United States of America

- 2.5-gallon (9.46 L) jugs
- 30-gallon (113.56 L) drum
- 55-gallon (208.2 L) drum
- 275-gallon (1040.99 L) tote

Other Countries

- 10-Liter (2.64 gal) jug
- 20-liter (5.28 gal) pail
- 208-Liter (54.95 gal) drum
- 1040-Liter (274.74 gal) tote

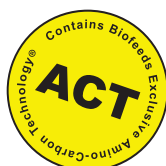
STORAGE AND CONTAINER DISPOSAL

STORAGE: Store in a cool, dry place. Store in original container. Keep tightly closed. Do not reuse empty container.

DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes may be disposed of on-site or at an approved waste disposal facility. Triple rinse (or equivalent) by adding rinse water to spray tank. Offer container for recycling or dispose of container in sanitary landfill, or by other procedures approved by appropriate authorities. 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.acrcycle.org.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.

Amino-Carbon Technology® (ACT) is our proprietary base additive that is tested and proven to improve nutrient absorption, and promote plant growth and crop production.



GUARANTEED ANALYSIS

CONTAINS NON-PLANT FOOD INGREDIENTS:

Active Ingredients:

Ammonium Lauryl Sulfate..... 45.0%

NOT RECOMMENDED FOR USE AS A FERTILIZER SUBSTITUTE

All ingredients are exempt from the requirements of a tolerance as specified in 40 CFR 180. Formulation may vary by region or country.

WARNING

⚠ WARNING: May cause irritation. Do not get in eyes. Avoid breathing vapors or mists. Avoid using product in a manner as to directly, or through drift, expose workers or other persons. Always consult the material safety data sheet for specific instructions. Applicators and other handlers must wear goggles or a facial splash shield; chemical resistant gloves, such as nitrile rubber greater than or equal to 14 mils or neoprene rubber greater than or equal to 14 mils; coveralls or long-sleeved shirt and long pants; shoes plus socks. Keep out of reach of children.

Applicators and other handlers should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove protective clothing and equipment after handling. Wash the outside of gloves before removing. Wash thoroughly and change into clean clothing.

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 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **If on skin or clothing:** 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 the 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.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL A POISON CONTROL CENTER OR DOCTOR IF IRRITATION PERSISTS. CALL 1-623-930-7510 FOR ADDITIONAL ASSISTANCE.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT, read the Directions for Use and the following buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of Biofeed Solutions, Inc. (BSI), or the SELLER is authorized to vary. BSI warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when the product is used in accordance with such Directions for Use under normal conditions of use. BSI makes no other warranty, express or implied, including but not limited to merchantability or fitness for any particular purpose. The BUYER'S or USERS exclusive remedy for any injury, loss, or damage resulting from the handling or use of this product shall be limited to one of the following, at the election of BSI or the SELLER: Direct Damages not exceeding the actual purchase price of the product or replacement of the product. BSI and the SELLER shall NOT be liable to the BUYER or USER of this product for any consequential, special, direct, or indirect damages, or damages in the nature of a penalty.

Innovation That Grows™