

**MATERIAL SAFETY DATA SHEET****SECTION 1 - MANUFACTURER INFORMATION****COMPANY ADDRESS:**

Southern Agricultural  
P. O. Box 218  
Palmetto, Fl 34220

**EMERGENCY TELEPHONE NUMBERS:**

(800) 424-9300 (CHEMTREC, transportation and spills)  
(800) 900-4044 (Poison Control Center, human health)  
(800) 345-4735 (ASPCA, animal health)

TRADE NAME/SYNONYMS : 40% INSECTICIDAL SOAP  
CHEMICAL NAME/SYNONYMS: See Hazardous Ingredients Below  
CHEMICAL FAMILY : Potassium salt  
FORMULA : Mixture  
PRODUCT CODE : Reg. # 51036-221

**SECTION 2 - HAZARDOUS INGREDIENTS**

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS: NO

<u>CHEMICAL/COMMON NAME</u>	<u>CAS-NUMBER</u>	<u>%</u>	<u>PEL-OSHA</u>	<u>TLV-ACGIH</u>
Potassium salt of fatty acids	10124-65-9	40.0	minimum	5mg/m3

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, or OSHA): NO

**SECTION 3 - HEALTH HAZARD DATA**

HEALTH EFFECTS (Acute and Chronic): Prolonged or repeated skin contact may cause skin irritation. Product contacting the eyes may cause eye irritation. Product has a low order of acute oral toxicity but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild pulmonary injury death.

Acute Oral LD50 (rat) = > 5,000mg/kg  
Acute Dermal LD50 (rabbit) = > 2,000mg/kg

PRIMARY ROUTES OF ENTRY: Inhalation, Ingestion, eye and skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

**EMERGENCY FIRST AID PROCEDURES:**

IF INHALED: Remove victim to fresh air.

IF IN EYES: Flush with water for 15 minutes. If irritation persists, call a physician.

IF ON SKIN: Remove any contaminated clothing and wash skin thoroughly with soap and water.

IF SWALLOWED: Drink large quantities of water.

**SECTION 4 - CHEMICAL DATA**

BOILING POINT (F) : 540F  
SPECIFIC GRAVITY (WATER=1) : 0.855  
VAPOR PRESSURE (mmHg) : < 0.01  
PERCENT VOLATILE BY VOLUME : Nil  
VAPOR DENSITY (AIR=1) : > 5.0  
EVAPORATION RATE (butyl acetate=1) : < 0.01

SOLUBILITY IN WATER: Emulsifiable.

APPEARANCE AND ODOR INFORMATION: Clear, viscous liquid with soapy odor.

#### **SECTION 5 - PHYSICAL HAZARD DATA**

FLASH POINT (Method Used): > 350F

EXTINGUISHING MEDIA: Small fires: Dry chemical, CO2, water spray or standard foam. Large fires: Water spray, fog or standard foam is recommended.

SPECIAL FIRE FIGHTING PROCEDURES: Use full protective equipment and self contained breathing apparatus. Spray or fogs are preferred over high pressure directed streams. Fight fire from maximum distance and upwind. Evacuate downwind. Dike area to prevent runoff.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Use water to keep fire-exposed containers cool. Minimize breathing gases, vapor, fumes or decomposition products. Use explosion proof equipment when transferring from containers.

INCOMPATIBILITY (Materials to avoid): None recognized.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes, smoke, carbon monoxide, aldehydes, and other decomposition products.

WILL HAZARDOUS POLYMERIZATION OCCUR: No.

IS THE PRODUCT STABLE: Yes, under normal storage conditions.

CONDITIONS TO AVOID FOR STABILITY: Avoid intense heat and cold.

#### **SECTION 6 - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Recover free product. Dike large spills. Add sand, earth, or other suitable absorbent to spill area. Keep product out of sewers and watercourses, or extensive land areas.

WASTE DISPOSAL METHODS: Dispose in accordance with State, Federal and local regulations.

#### **SECTION 7 - EXPOSURE CONTROL INFORMATION**

VENTILATION: Required for handling in enclosed areas with localized exhaust recommended.

RESPIRATORY PROTECTION: For handling in enclosed areas with limited ventilation, use a respirator with either an organic vapor removing cartridge.

OTHER PROTECTIVE EQUIPMENT:

- Shoes plus socks
- Waterproof gloves
- Protective eyewear such as safety goggles or a face shield
- Long-sleeved shirt and long pants

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**SECTION 8 - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry, well ventilated area; avoid areas with extreme heat. Avoid prolonged skin and eye contact. Avoid breathing mist or fumes.

OTHER PRECAUTIONS: KEEP AWAY FROM CHILDREN AND PETS. Use only in accordance with labeled directions. Do not contaminate waters by cleaning of equipment and/or disposal of wastes.

ADDITIONAL COMMENTS: The information and recommendations contained herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. Micro-Flo Company does not warrant or guarantee their accuracy or reliability, and Micro-Flo shall not be liable for any loss or damage arising out of the use thereof.

**SECTION 9 TRANSPORT INFORMATION**

D.O.T. Proper Shipping Name (49CFR 172.101): Agricultural Spray Adjuvant, Liquid, N.O.I.B.N.

D.O.T. Hazards Class: Non-Regulated

UN/NA Number: NA

Packing Group: NA

Label(s) Required: Primary - None  
Subsidiary - None

Placard(s) Required: Primary - None  
Subsidiary - None

Emergency Response Guide: NA

**SECTION 10 REGULATORY INFORMATION**

CERCLA Reportable Quantity: NA

RCRA Status: Not Regulated

SARA TITLE III:

Section 302 Extremely Hazardous Substance: NO

Section 311 Hazard Categories: NO

Section 313 Toxic Chemicals: NO

Revised: 7/14/99 - addition of Poison Control Emergency Numbers