

WHITE LABEL™ Field Crop Mix

Material Safety Data Sheet (rev.10/16)

**SECTION I**
**PRODUCT IDENTIFICATION**

<b>NFPA HAZARD RATINGS</b>	
HEALTH HAZARD 1	FIRE HAZARD 0
REACTIVITY 0	
Based on the National Fire Protection Association rating system (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Severe)	
<b>SARA/ TITLE III HAZARD CATEGORIES (See Section IX)</b>	
Immediate (ACUTE) Health: NO	Reactive Hazard: NO
Delayed (Chronic) Health: Not known	Fire Hazard: NO
Sudden Release of Pressure: NO	
Company Name:	STOLLER USA, INC.
Address:	4001 W. Sam Houston Parkway, N., Suite 100 Houston, Texas 77043-1226 U.S.A.
Emergency Phone Number:	CHEMTREC: In the U.S. and Canada call Toll-free: 1 (800) 424-9300 From other countries call collect: 1 (703) 527-3887
Phone Number for Information:	1 (800) 539-5283 or 1 (713) 461-1493
Chemical Family:	solution of chelated metallic sulfates.
Chemical Name & Synonyms:	Micronutrient liquid fertilizer
Formula:	Proprietary
Trade name & Synonyms:	<b>WHITE LABEL™ Field Crop Mix or WHITE LABEL™ Texas Micronutrient Mix</b>

**SECTION II**
**COMPOSITION/ INFORMATION ON INGREDIENTS**

<b>INGREDIENTS:</b>	<b>CAS#</b>	<b>Approx. %</b>	<b>TLV</b>
Manganese Sulfate	10034-96-5	3.7%	5 mg/ m <sup>3</sup> ceiling limit as Mn
Zinc sulfate	7733-02-0	8.6%	1 mg/ m <sup>3</sup> as Zn
Ferrous Sulfate		5.0%	1 mg/ m <sup>3</sup> as Fe
Copper Sulfate	7758-98-7	5.0%	1 mg/ m <sup>3</sup> as Cu

**SECTION III**
**HAZARD IDENTIFICATION**

- A. EXPOSURE LIMITS:**
1. OSHA Permissible Exposure Limit (PEL): Not Established
  2. Threshold Limit Value (TLV): Not Established
- B. CARCINOGEN OR POTENTIAL CARCINOGEN:**
- C. EFFECTS OF OVEREXPOSURE:**
1. **ACUTE:**  
**EYES:** May cause moderate to severe eye irritation, may cause corneal injury if exposed for long periods.  
**SKIN:** Prolonged or repeated exposure may cause skin irritation, rashes, eruptions, dryness and cracking of skin.  
**INHALATION:** Mists may cause irritation to upper respiratory tract, nausea.  
**INGESTION:** May cause gastrointestinal irritation or ulceration, abdominal pain.
  2. **CHRONIC:** N/ E

**SECTION IV**
**FIRST-AID MEASURES**

- A. EMERGENCY FIRST AID PROCEDURES:**
- EYES:** IMMEDIATELY flush eyes with a direct stream of water for at least 15 minutes; if irritation occurs, get medical attention.
- SKIN:** Wash thoroughly with soap and water. Rinse thoroughly. Seek medical attention if inflammation occurs. Do not attempt to neutralize with chemicals.
- INHALATION:** Remove from exposure area. If irritation exists from mists or, in the event of massive inhalation, seek medical attention.
- INGESTION:** If swallowed, IMMEDIATELY induce vomiting by drinking two glasses of water and sticking finger down throat. Call a physician or a poison control center.
- B. ANIMAL TOXICITY DATA:** Not Established

## SECTION V

## FIRE AND EXPLOSION DATA

<b>FLASH POINT:</b>	Not Applicable (N/ A)	
<b>FLAMMABLE LIMITS:</b>	<b>LEL: N/ A</b>	<b>UEL: N/ A</b>
<b>EXTINGUISHER MEDIA:</b>	Use any means to fight surrounding fire, water, CO <sub>2</sub> , or dry chemicals. Product is non- flammable.	
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Wear protective clothing and self- contained breathing apparatus.	
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	Toxic fumes may be generated under fire conditions. Container may bloat and leak under fire conditions.	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	N/ A	

## SECTION VI

## ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:** Collect and contain product in appropriate container for salvage or disposal. Absorb waste on inert media and dispose of as solid waste. Ventilate and wash area.

## SECTION VII

## HANDLING AND STORAGE

Keep containers closed and dry. Avoid unnecessary contact with skin or clothing. Wash hands thoroughly after using. Store away of food, feed, clothing and incompatible materials.

## SECTION VIII

## SPECIAL PROTECTION / CONTROL MEASURES

**RESPIRATORY PROTECTION:** As required by conditions. Use and OSHA or NIOSH approved respirator if required.

**VENTILATION:** General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions.

**WORK/ HYGIENIC PRACTICES:** Wash thoroughly after handling. Do not smoke when handling chemicals.

## SECTION IX

## PHYSICAL AND CHEMICAL CHARACTERISTICS

<b>BOILING POINT:</b>	Not Established (N/ E)	<b>VAPOR PRESSURE (mm/ Hg):</b>	<1 mmHg @ 20°C
<b>MELTING POINT:</b>	N/ A	<b>VAPOR DENSITY (air = 1):</b>	<1
<b>SPECIFIC GRAVITY:</b>	1.27 gr/ ml	<b>REACTIVITY IN WATER:</b>	N/ A
<b>SOLUBILITY IN WATER:</b>	Soluble	<b>EVAPORATION RATE:</b>	<1
<b>APPEARANCE AND ODOR:</b>	Dark brown opaque liquid; characteristic odor.		
<b>PERCENT VOLATILE BY VOLUME:</b>	N/ E		

## SECTION X

## PHYSICAL HAZARDS (REACTIVITY DATA)

<b>STABILITY:</b>	Stable: Yes	Unstable:
<b>CONDITIONS TO AVOID:</b>	N/ A	
<b>INCOMPATIBILITY, MATERIALS TO AVOID:</b>	Acid anhydrides, strong acids, oxidizing agents.	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Fumes of SO <sub>2</sub> , SO, CO <sub>2</sub> , and CO may evolve during burning.	
<b>MAY OCCUR: X</b>	<b>WILL NOT OCCUR:</b>	

**SECTION XI****TOXICOLOGICAL INFORMATION**

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- A. **TOXICITY DATA:**
- B. **CARCINOGENICITY:**
- C. **MUTAGENICITY:**
- D. **REPRODUCTIVE TOXICITY:**

**SECTION XII****ENVIRONMENTAL EFFECTS DATA**

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Available data on the raw materials does not indicate an undue hazard to the environment under anticipated conditions of storage and use. Any waste due to spillage or leakage should be contained and disposed of as a Fertilizer (see above under Waste Disposal Methods). Due to its nutritional value, may contribute to eutrophication in bodies of water. To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section I. If the word "YES" appears next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370. Please consult those regulations for details.

**SECTION XIII****DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHODS:** Dispose of product in compliance with all federal, state and local laws concerning health and environment.

**SECTION XIV****TRANSPORTATION DATA**

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**PROPER SHIPPING NAME:** Not applicable (Trade Name: WHITE LABEL™ Field Crop Mix)

**DOT HAZARD CLASS:** Non- Regulated Material

**PLACARD:** Not Applicable

**IATA Proper Shipping Name:** Not Applicable