

## SECTION 1: Product and Company Identification

<b>Product identifier</b>	Essential Minor Elements
<b>Other means of identification</b>	None
<b>Synonym(s)</b>	None
<b>Recommended use</b>	Micro-Nutrient Fertilizer
<b>Recommended restrictions</b>	None known.
<b>Company</b>	Southern Agricultural Insecticides, Inc. P.O. Box 218 Palmetto, FL 34220
<b>Company Telephone/Fax:</b>	(941) 722-3285/(941) 723-2974
<b>Emergency Telephone Number:</b>	(800) 424-9300 (CHEMTREC)

## SECTION 2: Hazard(s) Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Not a hazardous substance or mixture.

**GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

None

## SECTION 3: Composition/Information on Ingredients

This product is to be considered as a mixture

**Substances**

Ingredient Name	CAS Number	%
Magnesium Sulfate Anhydrous	7487-88-9	50
Sulfur blended with Bentonite Clay	7704-34-9 (sulfur), 1032-78-9 (clay)	9
Iron Sulfate 30% Granules	7782-63-0	17
Manganese Sulfate	7785-87-7	6
Iron Sulfate 5% EDTA	15708-41-5	2
Gypsum Micro Pellet	-	9

## SECTION 4: First-aid Measures

**Description of necessary first-aid measures**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

Remove from exposure. In severe cases, or if recovery is not rapid or complete seek medical attention.

**In case of skin contact**

Rinse with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention.

**In case of eye contact**

Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.

**If swallowed**

Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention

**Most important symptoms and effects, both acute and delayed**

In case of accident, or if you feel unwell, seek medical advice.

**Indication of immediate medical attention and special treatment needed**

Treat symptomatically. No specific product related symptoms are known.

**SECTION 5: Fire-fighting Measures****Extinguishing media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Ferrous oxalate in mixture will decompose at 160° C. Use water spray, CO<sup>2</sup> or dry chemical. Excess water should be contained.

**Specific hazards arising from the chemical**

Sulphur oxides, Magnesium oxide

**Special protective equipment and precautions for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary. Follow standard procedure for chemical fire.

**SECTION 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**SECTION 7: Handling and Storage****Precautions for safe handling**

Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place. Avoid temperatures above 300°.

**SECTION 8: Exposure controls/personal protection****Control parameters****Components with workplace control parameters**

Magnesium Sulfate Anhydrous	7487-88-9	TLV (as Mn)	5 mg/m <sup>3</sup>
Sulfur blended with Bentonite Clay	7704-34-9 (sulfur), 1032-78-9 (clay)	TWA	3.33 mg/m <sup>3</sup> Respirable
Iron Sulfate 30% Granules	7782-63-0	TLV (as Fe)	1 mg/m <sup>3</sup>
Manganese Sulfate	7785-87-7	TWA	1.000000 mg/m <sup>3</sup>
Iron Sulfate 5% EDTA	15708-41-5	TWA	none
Gypsum Micro Pellet	-	TLV-TWA	0.05 mg respirable quarts dust m <sup>3</sup>

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of work-day.

## Individual protection measures, such as personal protective equipment

### Eye/face protection

Eye/face protection requirements vary depending upon work environment conditions. Wear Safety glasses if conditions require protection.

### Skin protection

Handle with gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### Respiratory protection

No personal respiratory protective equipment normally required.

## SECTION 9: Physical and chemical properties

Appearance:	Form: granular	Color: light yellow
Odor:	Slightly musty	
Odor threshold:	no data available	
pH:	no data available	
Melting point/freezing point:	no data available	
Initial boiling point and boiling range:	no data available	
Flash point:	335°F	
Evaporation rate:	no data available	
Flammability (solid, gas):	non flammable	
Upper/lower flammability or explosive limits:	Lel 35 Uel 1400	
Vapor pressure:	no data available	
Vapor density:	no data available	
Relative density:	no data available	
Solubility(ies) :	approx 60 grams/100 ml	
Partition coefficient n-octanol/water:	no data available	
Auto-ignition temperature:	no data available	
Decomposition temperature:	160°C (302 °F)	
Viscosity:	no data available	

## SECTION 10: Stability and Reactivity

<b>Reactivity</b>	in water: salts ionize
<b>Chemical stability</b>	Stable
<b>Possibility of hazardous reactions</b>	no data available
<b>Conditions to avoid</b>	Heat.
<b>Incompatible materials</b>	Strong oxidizing agents. Acids, particularly nitric acid, strong alkalies.
<b>Hazardous decomposition products</b>	Carbon monoxide, carbon dioxide, metallic oxides, oxides of sulfur.

## SECTION 11: Toxicological Information

### Information on toxicological effects

#### Acute toxicity:

Oral:	no data available
Inhalation:	no data available
Dermal:	no data available

<b>Skin corrosion/irritation:</b>	no data available
<b>Serious eye damage/irritation:</b>	no data available
<b>Respiratory or skin sensitization:</b>	no data available
<b>Germ cell mutagenicity:</b>	no data available

**Carcinogenicity:**

**IARC:** No component of this product present at levels greater than or equal to 0.1 is identified as a known or anticipated carcinogen by IARC

**OSHA:** No component of this product present at levels greater than or equal to 0.1 is identified as a carcinogen or potential carcinogen by OSHA.

**NTP:** No component of this product present at levels greater than or equal to 0.1 is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity:** no data available

**STOT -single exposure:** no data available

**STOT-repeated exposure:** no data available

**Aspiration hazard:** no data available

**SECTION 12: Ecological Information****Toxicity**

Toxicity to fish no data available

Toxicity to daphnia and other no data available

Aquatic invertebrates: no data available

Toxicity to algae: no data available

Toxicity to microorganisms: no data available

**Persistence and degradability** no data available

**Bioaccumulative potential** no data available

**Other adverse effects** no data available

**SECTION 13: Disposal Considerations**

**Product Offer surplus and non-recyclable solutions to a licensed disposal company.**

**Contaminated packaging** Dispose of as unused product.

**SECTION 14: Transport Information**

**DOT (US)** Not dangerous goods.

**IMDG** Not dangerous goods.

**IATA** Not dangerous goods.

**SECTION 15: Regulatory Information****TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory**

Listed or exempted.

**SARA Title III (EPCRA) 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA Title III (EPCRA) 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Chronic Health Hazard.

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**US State Regulations**

- New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL) Not listed.
- Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL) Not listed.
- Pennsylvania RTK - HAZARDOUS SUBSTANCE LIST Not listed.

## SECTION 16: Other Information

### **Training Advice**

Provide sufficient information, guidance and training to operating personnel.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Southern Agricultural Insecticides, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Southern Agricultural Insecticides, Inc. has been advised of the possibility of such damages.

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