

## SAFETY DATA SHEET

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Chemical Product

Common Name: SULFUR UP

Chemical Description: Proprietary mixture of manganese and zinc lignosulfonates.

TSCA/CAS No.: There is no specific CAS number because this product is a mixture.

Manufactured For

Custom Ag Formulators, Inc

3430 S. Willow

Fresno, CA 93725

Emergency Telephone Numbers

Emergency Telephone: (559) 435-1052

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

**SECTION 2. HAZARD(S) IDENTIFICATION**

Signal Word: CAUTION

Response:

In Case of Fire: Media as needed to control primary source of fire.

**If Swallowed: Nausea, gastric distress may result from swallowing large amounts of product. If person is conscious, give large amounts of water and induce vomiting. Call physician.**

If on Skin or Hair: Wash thoroughly with soap and water until all material is removed. If irritation persists, get medical attention.

If in Eye: Wash eye for at least 15 minutes, occasionally lifting the upper and lower lids. If irritation persists, get medical attention.

If Inhaled: Inhalation of spray mist may be irritating to respiratory tract.

Storage:

Store in a dry cool place away from children as well as animals, food and feed products.

Disposal:

Dispose of all waste material and containers according to local, state and federal regulations.

**HEALTH: 4****REACTIVITY: 5****FLAMMABILITY: 5****ENVIRONMENT: 4**

(5=Insignificant 4=Slight 3=Moderate 2=High 1=Extreme)

**SECTION 3. HAZARDOUS INGREDIENTS**

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
N/A				

SECTION 4. FIRST AID
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**Eyes:** Flush out eyes immediately with water for at least 15 minutes occasionally, lifting the lower and upper lids. If irritation persists, get medical attention.

**Skin:** Wash thoroughly with soap and water until all material is removed. If irritation persists, get medical attention.

**Ingestion:** **Nausea, gastric distress may result from swallowing large amounts of water and induce vomiting. Call physician.**

**Inhalation:** Remove from contaminated atmosphere. Inhalation of spray mist may be irritating to respiratory tract.

SECTION 5. FIRE AND EXPLOSION HAZARDS
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**Unusual Fire & Explosion Hazards:** N/A.

**Extinguishing Media:** Media as needed to control primary source of fire.

**Special Firefighting Procedures:** Wear respirator, contain runoff: If carbon dioxide is released, use an approved, self contained breathing apparatus.

SECTION 6. SPILLS AND LEAKS
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**Containment:** Keep material out of water source and sewers. Build dikes to contain flow as necessary.

**Clean Up:** Wear appropriate clothing and equipment. Absorb inert material. Place in disposable container. Flush cleaned area with water to dilute to harmless solution.

**Evacuation:** N/A

SECTION 7. STORAGE AND HANDLING
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**Storage:** Store in a cool dry place away from children as well as animals, food and feed products.

**Transfer Equipment:** During product transfer use a chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

**Work/Hygienic Practices:** Keep out of the reach of children. Abstain from contact with eyes, skin and clothing. Avoid inhalation of spray mists. After handling thoroughly wash with soap and water.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT
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**Eyes:** Wear splash-proof safety goggles. Face shield is advised. Contact lenses

should not be worn when working with this product.

Skin: Wear full length clothing and rubber gloves.

Respiratory: Avoid breathing spray mist. Inhalation may be minimized by wearing an approved respirator.

Ventilation: No TLV established but would recommend.

SECTION 9. PHYSICAL AND CHEMICAL DATA
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Appearance:	Dark Brown, liquid.
Specific Gravity:	1.282.
Odor:	N/A.
pH:	N/A.
Vapor Pressure:	N/A.
Vapor Density (Air=1):	N/A.
Boiling Point:	N/A.
Freezing Point:	N/A.
Water Solubility:	Soluble.
Density:	11.37 lbs/gal.
Evaporation Rate:	N/A.
Viscosity:	N/A.
% Volatile:	N/A.
Octanol/Water Partition Coefficient:	N/A.
Saturated Vapor Concentration:	N/A.
Flash Point:	Non-Flammable.
Upper Explosive Limit:	N/A.
Lower Explosive Limit:	N/A.

SECTION 10. STABILITY AND REACTIVITY
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Stable:	Yes.
Avoid:	N/A.
Incompatibility:	When combined with acid, this material may liberate hazardous quantities of carbon dioxide.
Hazardous Decomposition Products:	N/A.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTS
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Acute Effects:

Eyes:	Contact with eyes may cause irritation.
Skin:	Prolonged skin contact may result in irritation.
Ingestion:	May result in irritation, burns, nausea and vomiting.
Inhalation:	Causes irritation of the nose, throat and upper respiratory tract.

Subchronic Effects: N / A .

Chronic Effects: None noted.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition: N/A.  
Toxicity to Fish and Invertebrates: N/A.  
Toxicity to Plants: N/A.  
Toxicity in Birds: N/A.

**SECTION 13. DISPOSAL**

Dispose of waste materials and containers according to local, state and federal regulations. Entering or leading to surface waters that cause a sheen must also be reported.

**SECTION 14. TRANSPORTATION**

D.O.T.: Not D.O.T. Regulated.  
Other Shipping Description: Ag Adjuvant, Liquid.  
NMFC Item 42652, Class 60

**SECTION 15. REGULATORY INFORMATION**

CERCLA: N/A

SARA TITLE III, Section 313 Toxic Chemicals: N/A

PROPOSITION 65 (CA): Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**SECTION 16. OTHER**

The above information is based on data of which the manufacturer is aware and is believed to be correct as of the date hereon. Since the information contained herein may be applied under conditions beyond the manufacturer's control and which may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, the manufacturer does not assume any responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.