



## Safety Data Sheet Sulfur Xtreme

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### SECTION 1: Identification

#### 1.1 GHS Product identifier

Product name Sulfur Xtreme

#### 1.2 Recommended use of the chemical and restrictions on use

Agricultural Nutritional

#### 1.3 Supplier's details

Name CAROLINA EASTERN, INC.  
Address 347 McAllister Mill Road  
Scranton SC 29591  
USA

Telephone 843-389-2761

#### 1.4 Emergency phone number

CHEMTREC Administrative Office Telephone number: 1-800-262-8200

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### SECTION 2: Hazard identification

#### General hazard statement

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

#### 2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

#### 2.2 GHS label elements, including precautionary statements.

##### Hazard statement(s)

Causes eye irritation.  
Causes mild skin irritation.  
Harmful if swallowed or in contact with skin.

##### Precautionary statement(s)

P264 Wash thoroughly after handling.

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P280  
P337+P313  
P234  
P402

Wear protective gloves/protective clothing/eye protection/face protection.  
If eye irritation persists: Get medical advice/attention.  
Keep only in original container.  
Store in a dry place.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous components

##### 1. Ammonium thiosulfate

Concentration > 60 % (weight)  
CAS no. 7783-18-8

##### 2. Potassium thiosulfate

Concentration > 20 % (weight)  
CAS no. 10294-66-3

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### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if irritation develops or persists.  Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 4.2 Most important symptoms/effects, acute and delayed.

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

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### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

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### 5.2 Specific hazards arising from the chemical.

Ammonium thiosulfate: Not readily combustible. When heated to decomposition (as in fires) emits toxic fumes of ammonia, hydrogen sulfide, nitrogen oxides and sulfur oxides.

Do not use direct water streams. May spread fire.

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary. Heating to dryness may cause the release of carbon dioxide gas. Cool containers with water spray.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains, sewers, and public waters. Retain and dispose of contaminated water used for washing residues.

### 6.3 Methods and materials for containment and cleaning up.

Soak up with inert absorbent material and dispose of in accordance with local and national regulations. Keep in suitable, closed containers for disposal.

#### Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

### 7.2 Conditions for safe storage, including any incompatibilities.

Keep container tightly closed in a dry and well-ventilated place. Store away from direct sunlight or ultraviolet light. Protect from atmospheric moisture.

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## SECTION 8: Exposure controls/personal protection

### 8.2 Appropriate engineering controls

Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. 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.

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### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Environmental exposure controls

Do not let product enter drains.

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## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Color	Yellow
Odor	Mild
Odor threshold	Not Available
Melting point/freezing point	32°F
Boiling point or initial boiling point and boiling range	Not Available
Flammability	Not Available
Lower and upper explosion limit/flammability limit	Not Available
Flash point	Closed Cup 102°C
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
pH	8.9-9.0
Kinematic viscosity	Not Available
Solubility	Dispersible
Partition coefficient n-octanol/water (log value)	Not Available
Vapor pressure	Not Available
Evaporation rate	Not Available
Density and/or relative density	10.6 lbs./gal, 1.27 (SG)
Relative vapor density	Not Available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None under normal use conditions.

### 10.2 Chemical stability

Stable under recommended use conditions and storage

### 10.3 Possibility of hazardous reactions

None that are known.

### 10.4 Conditions to avoid.

Exposure to elevated temperatures can cause products to decompose. Avoid direct sunlight or ultraviolet sources.

### 10.5 Incompatible materials

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Ammonium thiosulfate: Seriously corrodes copper-based alloy. Avoid contact with strong acids, strong bases and strong oxidizers.

### 10.6 Hazardous decomposition products

Ammonium thiosulfate: Emits toxic fumes of ammonia, hydrogen sulfide, nitrogen oxides and sulfur oxides.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Ammonium thiosulfate: Skin: May cause skin irritation.

Eyes: Causes eye irritation.

Inhalation: Causes respiratory tract irritation.

Ingestion: May cause gastrointestinal tract irritation with diarrhea.

May affect behavior/central nervous system (somnolence, convulsions, ataxia). respiration (emphysema), Kidneys (acute renal failure, acute tubular necrosis), blood (hemorrhage). The toxicological properties of this substance have not been fully investigated.

#### Skin corrosion/irritation

May cause skin irritation.

#### Serious eye damage/irritation

Causes eye irritation.

#### Respiratory or skin sensitization

May cause an allergic skin reaction.

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

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

#### Reproductive toxicity

No data available

#### Specific target organ toxicity (STOT) - single exposure

No data available

#### Specific target organ toxicity (STOT) - repeated exposure

No data available

#### Aspiration hazard

No data available

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## SECTION 12: Ecological information

### Toxicity

No data available on product

### Persistence and degradability

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Ammonium thiosulfate: Hazardous short term degradation products are not likely to form. However, long term degradation products may arise. The material itself and its products of degradation are not toxic.

### **Bioaccumulative potential**

No data available on product

### **Mobility in soil**

No data available

### **Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## **SECTION 13: Disposal considerations**

### **Disposal methods**

#### **Product disposal**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

#### **Packaging disposal**

Dispose of as unused product.

#### **Other disposal recommendations**

Avoid releasing into the environment.

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## **SECTION 14: Transport information**

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

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## **SECTION 15: Regulatory information**

### **15.1 Safety, health, and environmental regulations specific for the product in question**

#### **SARA 311/312 Hazards**

No SARA hazards.

#### **Toxic Substances Control Act (TSCA) Inventory**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

#### **Pennsylvania Right To Know Components**

Chemical name: Thiosulfuric acid diammonium salt

CAS number: 7783-18-8

#### **Canadian Domestic Substances List (DSL)**

Chemical name: Thiosulfuric acid (H<sub>2</sub>S<sub>2</sub>O<sub>3</sub>), diammonium salt

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CAS: 7783-18-8

### Canadian Domestic Substances List (DSL)

Chemical name: Thiosulfuric acid (H<sub>2</sub>S<sub>2</sub>O<sub>3</sub>), dipotassium salt

CAS: 10294-66-3

### HMIS Rating

Health	0
Flammability	1
Physical hazard	0
Personal protection	

### NFPA Rating

Health hazard	0
Fire hazard	1
Reactivity hazard	0
Special hazard	

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## SECTION 16: Other information

Certification Date: November 29, 2023

### 16.1 Further information/disclaimer

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### 16.2 Preparation information

Prepared by IMS Labs, - Crop Excellence Regulatory Consultant