



Safety Data Sheet

1. IDENTIFICATION

Product identifier

Product Name: SILICA X-TREME®
Product Code:

Recommended use of the chemical and restrictions on use

Recommended Use: Complex blended fertilizer for foliar application
Recommended Restrictions: Workers (and your customers or users in the case of resale) should be informed of the need to observe all standard safety procedures for handling liquid products to avoid spills and potential contact with the material.

Details of the supplier of the safety data sheet

Supplier Name: Carolina Eastern, Inc., Crop Excellence®
Supplier Address: 347 McAllister Mill Road
Scranton, SC 29591
Supplier Phone Number: (843) 389-2761
Contact Phone: (843) 389-2761

Emergency telephone number CHEMTREC (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification

Physical hazards: Not classified.
Health hazards: Not classified.
Environmental hazards: Not classified.
OSHA defined hazards: Not classified.

GHS Label elements, including precautionary statements

Pictogram:



Signal word:	None
Hazard statement(s):	This product is not hazardous and does not meet the criteria for classification.
Appearance:	Liquid
Physical State:	Characteristic
Odor:	
Precautionary statements:	<p>Prevention: Prevention: Obtain the instructions before use. Do not handle before reading and understanding all safety precautions. Keep away from heat, sparks, open flames, hot surfaces, and other ignition sources. No Smoking. Avoid breathing in gases or aerosols. Avoid all contact with eyes, skin, and clothing. Do not eat, drink, or smoke while handling this product. Wear gloves, Avoid release into the environment, Wear gloves, protective clothing, and protective equipment for eyes, face, and ears.</p> <p>Response: Wash hands after handling.</p> <p>Disposal: Dispose of waste and residues in accordance with local authority requirements.</p>
Hazards not otherwise classified (HNOC):	None known.
Other information:	None.

3. COMPOSITION OF PRODUCT/INFORMATION ON INGREDIENTS

Ingredients	CAS-No.	Weight %	Trade Secret
Potassium silicate	1312-76-1	80-95%	*
Xanthan gum	11138-66-2	0-5%	
Other components below reportable levels		4.0 – 5.5%	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice: Non-hazardous material. If discomfort, irritation or reaction of any kind occurs, seek immediate medical advice from a qualified physician. Make sure that medical professionals are aware of the material(s) involved.

In case of eye contact: Immediately flush eyes with water for at least 20 minutes, holding eyelids open to ensure the entire eye and lid tissues are flushed. Rinsing the eyes within seconds of contact is essential for maximum effectiveness. Remove contact lenses after the first 5 minutes if they are present and can be done easily, then continue rinsing the eyes. Seek medical advice.

In case of skin contact: Wash immediately after contact with plenty of soap and water for at least 20 minutes. Take off contaminated clothing, and wash before reuse. Call the doctor.

If inhaled: Move victim and get them fresh air. Keep them calm. If not breathing, provide mouth-to-mouth resuscitation. If they are in respiratory distress, administer oxygen. Call the doctor.

If swallowed: DO NOT INDUCE VOMITING. Give water to drink. Never give anything by mouth to an unconscious person. Call the doctor. If vomiting occurs spontaneously, turn victim on their side to reduce risk of aspiration.

Most important symptoms and effects, both acute and delayed: Irritation.

Indication of any immediate medical attention and special treatment needed: No specific data. Follow the instructions in the clause 4.1

Note to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

This product is not flammable. Use normal firefighting techniques using water and other available fire suffocating agents.

Extinguishing media

Suitable extinguishing media: Coordinated firefighting measures in the environment using: water, foam, alcohol-resistant foam, dry extinguishing powder, ABC powder.

Unsuitable extinguishing media:

Special hazards arising from the substance or mixture: No specific fire or explosion hazard. Non-flammable substance. Avoid breathing dust, vapors, or fumes from burning materials. In case of inhalation of decomposition products in a fire, symptoms may be delayed.

Advice for firefighters: In case of fire, evacuate the area and extinguish the fire from a safe distance. Avoid all contact. Wear an encapsulating suit with a self-contained breathing apparatus (SCBA) to prevent contact with high concentrations of vapor or fumes in the air. If it is not possible to move the container from the fire area.

Further information: Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid contact with the spilled product, using the appropriate personal protection elements as specified in Section 8. Isolate and ventilate the contaminated area.

Environmental precautions: Prevent from entering sewers and public waters. Retain and dispose of contaminated water used for washing residues.

Methods and materials for containment and cleaning up:

Localization: Remove unauthorized persons. Keep to windward. Lock down the emergency zone. Large-scale spills near water should be blocked with a mound of earth to prevent contamination of aquifers, water sources, and other important water objects. Collect spilled product in suitable containers and send away for use, processing, or disposal as restricted by local/national regulations (see section 13).

After Spill and/or Leakage: Sweep up or shovel dry product into suitable containers. Wash thoroughly after handling.

Cleaning: The affected area should be washed and cleaned with plenty of water. The wastewater after washing and cleaning should be sent to the sewage treatment plant.

Reference to other sections: For disposal see Section 13.

7. HANDLING AND STORAGE

Precautions for safe handling. Wear the recommended personal protective equipment (see Section 8). Avoid contact with skin and eyes. Do not breathe in vapors. Only use the product outdoors or in a well-ventilated place. Minimize the generation and accumulation of vapors. Keep container tightly closed. Do not mix with incompatible substances (see Section 10). When transferring, remember to label. Avoid release to the environment. Do not ingest. Do not eat, drink, or smoke when handling this product. Wash hands carefully after handling, and before eating, drinking, or smoking.

Recommendations on the conditions for safe storage: Packaged or in bulk, it must be stored in closed storage spaces sheltered from atmospheric precipitation and humidity. Storage facilities must be well ventilated. The amount of product in storage is not restricted. Plastic packaging materials (PE). Keep away from: organic materials, oils, and fats. Keep away from incompatible products (see section 10.5).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Permissible Exposure Limits

Not applicable/Not established

Exposure Controls

Appropriate engineering controls: The production area must be well ventilated (general combined air suction and air supply ventilation system). Personal protective equipment must be available on site. A running water source and shower must be provided on site.

Personal Protective Equipment

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Eye/face protection: Safety glasses with side-shields or safety goggles.

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. Use nitrile reinforced PVC gloves.

Body protection: Wear suitable protective clothing.

Respiratory protection: Wear NIOSH/MSHA approved air-purifying respirator with cartridges/canisters if there is a risk of exposure to fumes or mists at levels that might cause discomfort. In case of insufficient ventilation or if the exposure limit is exceeded, use a mask with cartridges for organic vapors up to the maximum concentration specified by the supplier.

Control of environmental exposure: Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State:	Liquid
Appearance:	Reddish-brown opaque fluid

Odor: Characteristic
 Odor Threshold: N/A

<u>Property</u>	<u>Values</u>
pH at 10%	5.5
Freezing point	No data available
Boiling point	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	Non-flammable
Flammability Limit in Air	
Upper flammability limit	No data available
Lower flammability limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity	1.28 gr/ml
Water solubility	Soluble in water

<u>Property</u>	<u>Values</u>
Solubility in other solvents	N/A
Partition coefficient: n-octanol/water	N/A
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	N/A
Oxidizing properties	N/A

10. STABILITY AND REACTIVITY

Reactivity: Non-reactive under normal conditions of use and storage.

Chemical Stability: Stable under recommended conditions of use and storage.

Possibility of Hazardous Reactions: Violent reaction with: highly oxidizing substances.

Hazardous: Non-Hazardous

Conditions to Avoid: No additional information.

Incompatible Materials: No additional information.

Hazardous Decomposition Products: If heated, it can give off irritating vapors. In case of fire, see Section 5.

Other

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Spray mist, vapors or fumes could be inhaled. No known hazard from inhalation.
Eye contact	Product could splash or leak and come into eye contact.
Skin contact	Direct product could come in contact with skin if product is mishandled and the appropriate protective clothing is not worn.

Oral

Not toxic dermally.
Product could accidentally be ingested.

Information on toxicological effects

Acute Toxicity	Information not available for the product.
Skin corrosion/irritation	May cause skin dryness.
Serious eye damage/eye irritation	May cause irritation from mechanical abrasion.
Respiratory or skin sensitization	
Respiratory sensitization	May cause irritation.
Skin sensitization	May cause skin dryness.

Delayed and immediate effects as well as chronic effects from short & long-term exposure

No information is available on any component of this product, at levels greater than or equal to 0.1%, as a probable, possible, or confirmed human carcinogen by IARC (International Agency for Research on Carcinogens).

Mutagenic effects:	No data available.
Carcinogenicity:	No data available. This product is not listed as a carcinogen by OSHA, ACGIH, IARC or NTP
STOT-single exposure:	Not classified.
STOT-repeated exposure:	Not classified.
Chronic toxicity:	No data available.
Target organ exposure:	No data available.
Aspiration hazard:	Mild irritant.

Numerical measure of toxicity product information

Acute Toxicity	No data available
Dermal:	mb

No additional data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulation:	No data available.
Other adverse effects:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**Disposal methods**

Avoid releasing into the environment. Dispose of contents and container in accordance with local regulations. Handle the container and its contents with due precautions (see Section 8). The use, the mixtures, or the pollution may change the disposal options for this product. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Decontaminate containers immediately after use. Once decontaminated, do not use the container to hold drinking water or food.

Packaging**14. TRANSPORT INFORMATION**

DOT (Land)	Not regulated as dangerous goods. Shipping Class 70 Trade name: SILICA X-TREME®
DOT (Vessel)	Not regulated as dangerous goods. Trade name: SILICA X-TREME®
IMO/IMDG (Vessel)	Not regulated as dangerous goods. Trade name: SILICA X-TREME®
IATA (Air)	Not regulated as dangerous goods. Trade name: SILICA X-TREME®
IBC Code:	“OS”. Not regulated.
Reportable quantity (RQ):	Not applicable
Placard:	Not applicable
Emergency response guide	Not applicable

15. REGULATORY INFORMATION

US Federal Regulations This product is not known to be a “hazardous chemical” defined by OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not Regulated.

SARA of 1986:

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

SARA 304: Not regulated.
SARA 311/312 Hazard Categories Not regulated.
SARA 313 Not regulated.
OSHA (29 CFR 1910.1001-1050) Not listed.
CERCLA (40 CFR 302.4) Components are not listed.

US State Regulations**US Clean Water Act.**

The components of this product are not listed as toxic pollutants nor as priority pollutants.

16. OTHER INFORMATION**Further information**

This SDS summarizes to the best of our knowledge at the date of issue, the chemical health and safety hazards of the product and general guidance on how to safely handle the product in the workplace. Since Carolina Eastern, Inc. cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions.

It does not represent any guarantee of the properties of the product. Carolina Eastern, INC. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. Neither Carolina Eastern, Inc. nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or the other persons from handling, storage or use of this material, not in accordance with the directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions. See www.cropexcellence.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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