Safety Data Sheet
FOLI K X-TREME®

SECTION 1: Identification

1.1 GHS Product identifier

Product name	FOLI K X-TREME®

1.2 Recommended use of the chemical and restrictions on use

Fertilizer

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

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

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

- Oxidizing solids (C.4.27), Cat. 3
- Eye damage/irritation (C.4.5), Cat. 1
- Toxic to reproduction (C.4.10), Cat. 2

2.2 GHS label elements, including precautionary statements.

Pictograms

1. Flame over circle; 2. Corrosion; 3. Health hazard

Signal word **Danger**

Hazard statement(s)
May intensify fire, oxidizer.

Causes serious eye damage.
Suspected of damaging fertility or the unborn child [effect, route]

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P220	Keep/Store away from clothing, combustible materials.
P221	Take any precaution to avoid mixing with combustibles.
P280	Wear protective gloves/eye protection/face protection/protective clothing.
P370+P378	In case of fire: Use fire extinguisher to extinguish.
P501	Dispose of contents/container.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Potassium sulfate

Concentration	1 - 10 % (weight)
CAS no.	7778-80-5

2. Disodium tetraborate, anhydrous

Concentration	0.1 - 1 % (weight)
CAS no.	12179-04-3

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	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
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	Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do

so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor if you feel unwell.

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

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Use extinguishing media appropriate for surrounding fire, water spray.

5.2 Specific hazards arising from the chemical.
May intensify fire; oxidizers.

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
Ensure adequate ventilation, especially in confined areas. Keep away from combustible material. Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures
Ensure adequate ventilation. Use personal protective equipment. No flames, no sparks. Eliminate all sources of ignition. Evacuate area. 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.

6.3 Methods and materials for containment and cleaning up.
Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities.
Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Disodium tetraborate, anhydrous (CAS: 12179-04-3)
TWA (Inhalation): 1 mg/m3; Australia (AU/SWA)

8.2 Appropriate engineering controls
Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product.

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.

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).

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Solid
Appearance	While
Color	White
Odor	Characteristic
Odor threshold	Not Available
Melting point/freezing point	Not Available
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	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
pH	10% solution in water 3.6-5.6
Kinematic viscosity	Not Available
Solubility	Soluble
Partition coefficient n-octanol/water (log value)	Not Available
Vapor pressure	Not Available
Evaporation rate	Not Available
Density and/or relative density	1.2 kg/l
Relative vapor density	Not Available

SECTION 10: Stability and reactivity

10.1 Reactivity
None under normal use conditions.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
None that are known.

10.4 Conditions to avoid.
Extremely high or low temperatures, moisture, no flames, no sparks, eliminate all sources of ignition.

10.5 Incompatible materials
Reducing agents, sawdust, organic materials, alkalis, oxidation agents, strong acids, combustible materials, oxidizing materials, flammable materials.

10.6 Hazardous decomposition products
None under normal conditions of storage and use.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Dipotassium sulphate:
LD50 oral rat - >2000 mg/kg
LD50 dermal rat - >2000 mg/kg

Disodium tetraborate pentahydrate
LD50 oral rat - 3200 mg/kg
LD50 dermal rabbit - >2000 mg/kg
LC50 inhalation rat - >2mg/l

Skin corrosion/irritation
No data available

Serious eye damage/irritation
Risk of serious damage to eyes.

Respiratory or skin sensitization
No data available

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
Suspected of damaging fertility or the unborn child

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

SECTION 12: Ecological information

Toxicity
No data available on product

Persistence and degradability
Product is biodegradable.

Bioaccumulative potential
Not potentially bioaccumulable.

Mobility in soil
Small absorption, very mobile

Other adverse effects
May cause eutrophication at very low concentration.

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.

SECTION 14: Transport information

DOT (US)
UN Number: UN1479
Class: 5.1
Packing Group: III
Proper Shipping Name: Oxidizing solid, n.o.s.
Reportable quantity (RQ):
Marine pollutant:
Poison inhalation hazard:

IMDG
UN Number: UN1479
Class: 5.1
Packing Group: III
EMS Number:
Proper Shipping Name: Oxidizing solid, n.o.s.

IATA
UN Number: UN1479
Class: 5.1
Packing Group: III

Proper Shipping Name: Oxidizing solid, n.o.s.

SECTION 15: Regulatory information

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

Canadian Domestic Substances List (DSL)
Chemical name: Sulfuric acid dipotassium salt
CAS: 7778-80-5

Toxic Substances Control Act (TSCA) Inventory
All components of this product are on the TSCA Inventory

SECTION 16: Other information

Certification Date: November 27, 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