# Safety Data Sheet
# Boron Xtreme

## SECTION 1: Identification

### 1.1 GHS Product identifier

| | |
|---|---|
| Product name | Boron Xtreme |

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

Agricultural Nutrient

### 1.3 Supplier's details

| | |
|---|---|
| Name | CAROLINA EASTERN, INC. |
| Address | 347 McAllister Mill Road<br>Scranton SC 29591<br>USA |
| Telephone | 843-389-2761 |

### 1.4 Emergency phone number

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

## 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.

| | |
|---|---|
| **Signal word** | **Warning** |
| **Precautionary statement(s)** | |
| P264 | Wash thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |

| | |
|---|---|
| P402 | Store in a dry place. |
| P404 | Store in a closed container. |

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Hazardous components**

**1. Boric acid**

| | |
|---|---|
| Concentration | > 7.5 % (weight) |
| CAS no. | 10043-35-3 |

- Toxic to reproduction (C.4.10), Cat. 1B

| | |
|---|---|
| H360FD | May damage fertility. May damage the unborn child. |
| SCLs/M-factors/ATEs | Repr. 1B; H360FD: C ≥ 5,5 % |

## 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 | 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

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

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

### 5.2 Specific hazards arising from the chemical.

Avoid inhaling fumes.

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary. Do not use direct water streams. May spread fire.

## 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. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

**6.3 Methods and materials for containment and cleaning up.**
Soak up with inert absorbent material (e.g., sand, silica gel). 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**
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 place. Store away from direct sunlight or ultraviolent light. Protect from atmospheric moisture.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**1. Boric acid (CAS: 10043-35-3 EC: 233-139-2)**
TWA: 2.000000, mg/m3; USA (ACGIH)
Upper Respiratory Tract irritation. Not classifiable as a human carcinogen varies.

STEL: 6.000000, mg/m3; USA (ACGIH)
Upper Respiratory Tract irritation. Not classifiable as a human carcinogen varies.

TWA: 2.000000, mg/m3; USA (ACGIH)
Upper Respiratory Tract irritation. Not classifiable as a human carcinogen varies.

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STEL: 6 mg/m3; USA (ACGIH)
Upper Respiratory Tract irritation. Not classifiable as a human carcinogen varies.

**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.

**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.

## SECTION 9: Physical and chemical properties

**Basic physical and chemical properties**

| | |
|---|---|
| Physical state | Liquid |
| Appearance | Amber |
| Color | Amber |
| Odor | Mild Odor |
| 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 | 7.5-8.5 |
| 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 | 10.25 lbs./gal, 1.23 (SG) |
| Relative vapor density | Not Available |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**
None under normal use conditions. Sensitive to extreme temperatures.

**10.2 Chemical stability**
Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**
None that are known.

**10.4 Conditions to avoid.**
Exposure to elevated temperatures can cause product to decompose. Avoid direct sunlight or ultraviolet sources.

**10.5 Incompatible materials**
Avoid contact with strong acids, strong bases, strong oxidizers.

**10.6 Hazardous decomposition products**
Boric acid: Hazardous decomposition products formed under fire conditions. - Borane/boron oxides
Other decomposition products will depend upon temperature, air supply and the presence of other materials.

## SECTION 11: Toxicological information

**Information on toxicological effects**

**Acute toxicity**
Boric acid
LD50 Inhalation - Rat - 2,660 mg/kg

**Skin corrosion/irritation**
May cause skin irritation.

**Serious eye damage/irritation**
May cause 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

## SECTION 12: Ecological information

**Toxicity**
No data available on product

**Persistence and degradability**
Material is readily biodegradable.

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available

**Other adverse effects**
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## 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**
Do not dump into any sewers, on the ground or into any body of water.

## SECTION 14: Transport information

**DOT (US)**
Not dangerous goods

**IMDG**
Not dangerous goods

**IATA**
Not dangerous goods

## SECTION 15: Regulatory information

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

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

**SARA 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

**Massachusetts Right To Know Components**
No components are subject to the Massachusetts Right to Know Act.

**New Jersey Right To Know Components**
Boric acid
CAS-No. 10043-35-3

**Pennsylvania Right To Know Components**
Boric acid
CAS-No. 10043-35-3

**California Prop. 65 Components**
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**Canadian Domestic Substances List (DSL)**
Chemical name: Boric acid
CAS: 11113-50-1

**Canadian Domestic Substances List (DSL)**
Chemical name: Boric acid (H3BO3)
CAS: 10043-35-3

**HMIS Rating**

| | |
|---|---|
| Health | 0 |
| Flammability | 1 |
| Physical hazard | 0 |
| Personal protection | |

**NFPA Rating**

| | |
|---|---|
| Health hazard | 0 |
| Fire hazard | 1 |
| Reactivity hazard | 0 |
| Special hazard | |

## 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