# Safety Data Sheet
# Crop Excellence® Row Marker

## SECTION 1: Identification

### 1.1 GHS Product identifier

| | |
|---|---|
| Product name | Crop Excellence® Row Marker |

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

Foam Maker

### 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

### 2.1 Classification of the substance or mixture

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

- Acute toxicity, inhalation (chapter 3.1), Cat. 5
- Acute toxicity, oral (chapter 3.1), Cat. 5
- Eye damage/irritation (C.4.5), Cat. 2A
- Skin corrosion/irritation (C.4.4), Cat. 2
- Flammable liquids (C.4.19), Cat. 3

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

**Pictograms**

1. Exclamation mark; 2. Flame

| | |
|---|---|
| **Signal word** | **Warning** |

**Hazard statement(s)**
Causes skin irritation.
Causes serious eye irritation.
Flammable liquid and vapor

**Precautionary statement(s)**

| | |
|---|---|
| P264 | Wash thoroughly after handling. |
| P280 | Wear eye protection/face protection/protective gloves. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P321 | Specific treatment (see on this label). |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting/equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P370+P378 | In case of fire: Use to extinguish. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P501 | Dispose of contents/container. |

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Hazardous components**

**1. Proprietary Mixture**

| | |
|---|---|
| Concentration | 80 % (weight) |

**2. Ethanol**

| | |
|---|---|
| Concentration | 5 - 10 % (weight) |
| CAS no. | 64-17-5 |

- Flammable liquids (C.4.19), Cat. 2

| | |
|---|---|
| H225 | Highly flammable liquid and vapor |

**3. Butoxyethanol**

| | |
|---|---|
| Concentration | 5 - 10 % (weight) |
| CAS no. | 111-76-2 |

- Eye damage/irritation (C.4.5), Cat. 2A
- Skin corrosion/irritation (C.4.4), Cat. 2
- Flammable liquids (C.4.19), Cat. 4
- Acute toxicity, dermal (C.4.2), Cat. 4

- Acute toxicity, inhalation (C.4.3), Cat. 4
- Acute toxicity, oral (C.4.1), Cat. 4

| | |
|---|---|
| H227 | Combustible liquid |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |

**Trade secret statement (OSHA 1910.1200(i))**
*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

## 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 | Rinse with plenty of water. Get medical attention if irritation develops and persists. |
| 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.<br><br>Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision. |
| If swallowed | Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur. |

### 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.

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

**Further information**
Use water spray to cool unopened containers.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment, and emergency procedures**
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. 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. Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up.**
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

**Reference to other sections**
For disposal see section 13.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**
Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. 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. Contents under pressure. Storage class (TRGS 510): Gases

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**1. Ethanol (CAS: 64-17-5)**
PEL (Inhalation): 1000 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1900 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1000 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1000 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): (ST) 1000 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 1000 ppm; 1880 mg/m3; Australia (AU/SWA)

**2. Butoxyethanol (CAS: 111-76-2 EC: 203-905-0)**
PEL (Inhalation): 50 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 240 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 20 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 20 ppm, 97 mg/m3
California permissible exposure limits for chemical contaminants
(Title 8, Article 107)/Skin

TWA (Inhalation): 50 ppm, 240 mg/m3; USA (OSHA)
USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air
Contaminants/Skin designation
The value in mg/m3 is approximate.

TWA (Inhalation): 5 ppm, 24 mg/m3; USA (NIOSH)
USA. NIOSH Recommended Exposure Limits/Potential for dermal absorption.

TWA (Inhalation): 20 ppm; USA (ACGIH)
USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract Irritation Eye irritation Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Confirmed animal carcinogen with unknown relevance to humans

TLV® (Inhalation): 20 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 20 ppm; 96.9 mg/m3; Australia (AU/SWA)
Other advisory: Sk

STEL (Inhalation): 50 ppm; 242 mg/m3; Australia (AU/SWA)
Other advisory: Sk

**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 | Liquid |

| | |
|---|---|
| Appearance | Clear |
| Color | Clear |
| Odor | Alcohol |
| Odor threshold | Not Determined |
| Melting point/freezing point | Not Determined |
| Boiling point or initial boiling point and boiling range | Not Determined |
| Flammability | Not Determined |
| Lower and upper explosion limit/flammability limit | Not Determined |
| Flash point | Not Determined |
| Auto-ignition temperature | Not Determined |
| Decomposition temperature | Not Determined |
| pH | 8.0-9.0 |
| Kinematic viscosity | Not Determined |
| Solubility | Not Soluble |
| Partition coefficient n-octanol/water (log value) | Not Determined |
| Vapor pressure | Not Determined |
| Evaporation rate | Not Determined |
| Density and/or relative density | 8.34 lbs./gal. |
| Relative vapor density | Not Determined |

## 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 under normal use conditions.

**10.4 Conditions to avoid.**
Avoid storing in direct sunlight and avoid extremes of temperature.

**10.5 Incompatible materials**
Alkali metals, Oxidizing agents, Peroxides
Strong oxidizing agents, Alcohols, Reacts violently with water, Carboxylic acid, Peroxides, Chlorinated solvents, Halogens.

**10.6 Hazardous decomposition products**
Heating to dryness may cause the release of carbon dioxide gas.

## SECTION 11: Toxicological information

**Information on toxicological effects**

**Acute toxicity**
Ethanol: ACGIH: A3 Confirmed animal carcinogen with unknown relevance to humans.
The ATE (gas inhalation) of the mixture is: 45000 ppmV
The ATE (oral) of the mixture is: 5000 mg/kg bw

**Skin corrosion/irritation**
No data available

**Serious eye damage/irritation**

Causes serious eye irritation.

**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**
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**
No data available on product

**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.

## 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)**

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

**New Jersey Right To Know Components**
Common name: ETHYL ALCOHOL
CAS number: 64-17-5

**Pennsylvania Right To Know Components**
Chemical name: Ethanol
CAS number: 64-17-5

**Massachusetts Right To Know Components**
Chemical name: Ethanol
CAS number: 64-17-5

**California Prop. 65 Components**
WARNING! This product contains a chemical known to the State of California to cause cancer.
CAS-No. 64-17-5: Ethanol

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
CAS-No. 64-17-5: Ethanol

**Canadian Domestic Substances List (DSL)**
Chemical name: Ethanol
CAS: 64-17-5

**Massachusetts Right To Know Components**
Ethylene glycol monobutyl ether
CAS: 111-76-2

**New Jersey Right To Know Components**
Ethylene glycol monobutyl ether
CAS: 111-76-2

**Pennsylvania Right To Know Components**
Ethylene glycol monobutyl ether
CAS: 111-76-2

**SARA 311/312 Hazards**
Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:
Ethylene glycol monobutyl ether
CAS: 111-76-2

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

**Canadian Domestic Substances List (DSL)**
Chemical name: Ethanol, 2-butoxy-
CAS: 111-76-2

**HMIS Rating**

| | |
|---|---|
| Health | 2 |
| Flammability | 1 |
| Physical hazard | 0 |
| Personal protection | B |

**NFPA Rating**

| | |
|---|---|
| Health hazard | 2 |
| Fire hazard | 3 |
| Reactivity hazard | 0 |
| Special hazard | |

## SECTION 16: Other information

Certification Date: February 13, 2025

**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