

# Safety Data Sheet

SDS # CHB-048-2

## Section 1 Identification

Product identifier  
Trade name: **Revline™ Late Season**  
Recommended use: To enhance shoot and root growth, photosynthesis, abiotic stress resistance, mineral uptake, and production of label listed crops  
Manufacturer: **Meristem Crop Performance Group, LLC**  
489 Village Park Drive, Powell, OH 43065  
Telephone: +1-833-637-4783  
Produced for: **PGR AgVantage, Inc.**  
8450 Remington Drive, Evansville, IN 47711  
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## Section 2 Hazard(s) identification

Classification according to 29 CFR 1910.1200



### Label elements

**Signal word**                      **WARNING**

Inhalation                              Category 4

### Hazard statement

H332                                      Harmful if inhaled

### Precautionary statement

#### Prevention

P261                                      Avoid breathing fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area.

#### Response

P304+P340+P312                      If inhaled: Remove victim to fresh air and keep comfortable for breathing. Call a poison center or doctor/physician, if you feel unwell.

#### Storage

None

#### Disposal

None

## Section 3 Composition/information on ingredients

<u>Identity</u>	<u>CAS #</u>	<u>Typical (% w/w)</u>
Kinetin	525-79-1	0.12
Choline chloride	67-48-1	1.95
Gamma aminobutyric acid	56-12-2	0.98
*Other ingredients		96.95

\*Ingredients not specifically listed are non-hazardous or are to be considered proprietary or confidential business information per 29 CFR 1910.1200 (i)

**Section 4 First-aid measures**

- If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.
- If on skin: Immediately wash material off the skin with plenty of soap and water. If unable to wash immediately or tingling, numbness or a burning sensation develops apply skin cream or an oil-based solution to the affected area. If irritation persists, get medical attention.
- If swallowed: Provided the patient is conscious, wash out mouth with water. Immediately contact medical personnel or an emergency facility. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water.
- If inhaled: Remove victim to fresh air. If not breathing, giving artificial respiration, preferably mouth to mouth. If breathing is labored, give oxygen. Obtain medical attention.

Most important symptoms/effects, acute and delayed: None

Get medical attention if symptoms occur.

**Section 5 Fire-fighting measures**

Extinguishing Media:

Use dry sand, dry chemical or alcohol foam. Do not use water jet as this will spread the fire.

Special protective equipment and precautions for firefighters:

Wear protective clothing and self-contained breathing apparatus

Specific hazards arising from the chemical:

No data available

**Section 6 Accidental release measures**

Personal precautions, protective equipment and emergency procedures: Avoid breathing vapors, mist or gas and contact with skin or eyes. For personal protection see section 8.

Environmental precautions: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

Methods and materials for containment and cleaning up: Large spills: stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal flush contaminated area thoroughly with water. Small spills: wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13.

**Section 7 Handling and storage**

Precautions for safe handling:

Avoid inhalation of mists, vapors/spray and contact with eyes, skin and clothing. Do not breathe mists or vapor. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains. Handle and open container with care. Use care in handling/storage. Wash before eating, drinking and/or smoking.

Conditions for safe storage:

Store in original container. Keep container tightly closed when not in use. Store in a cool, dry, locked place out of the reach of children and out of direct sunlight.

## Section 8 Exposure controls/personal protection

Control parameters:  
No data available

Exposure controls:

### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists. Provide eyewash station and safety shower.

### Personal protective equipment

#### **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**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Section 9 Physical and chemical properties

Appearance:	Colorless liquid
Odor:	No detectable odor
Odor threshold:	N/D
Boiling point:	N/D
pH:	3.55 (1% w/v, 25°C)
Density:	1.04 g/mL (20°C)
Flash point:	N/D
Freezing point:	N/D
Vapor pressure:	N/D
Vapor density:	N/D
Solubility:	Soluble in water
Partition coefficient, n-octanol/water:	N/D
Auto-ignition temperature:	N/D
Decomposition temperature:	N/D
Viscosity:	375.34 cSt (20°C)
Evaporation rate:	N/D
Flammability (solid, gas):	N/D
Upper/lower flammability or explosive limits:	N/D

## Section 10 Stability and reactivity

Reactivity:	Stable
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No data available
Conditions to avoid:	No data available
Incompatible materials:	Strong oxidizing agents

Hazardous decomposition products: No data available

In the event of fire: See section 5

### **Section 11 Toxicological information**

Acute Oral:	LD <sub>50</sub> > 5000 mg/kg (rats)
Acute Dermal:	LD <sub>50</sub> > 5000 mg/kg (rats)
Acute Inhalation:	LC <sub>50</sub> > 2.06 mg/L (rats)
Dermal Irritation:	Non-irritating (rabbits)
Eye Irritation:	Practically non-irritating (rabbits)
Dermal Sensitization:	Not a contact sensitizer (mice)
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity:	No data available
Aspiration Hazard:	No data available

### **Section 12 Ecological information**

No data available

### **Section 13 Disposal considerations**

Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at <http://www.acrecycle.org/>. Do not contaminate water, food or feed by storage or disposal.

### **Section 14 Transport information**

Land Transport

DOT Shipping Description: Not Regulated by USDOT

U.S. Surface Freight Classification: Inhibitors, Modifiers or Regulators, Plant Growth (NMFC 101685; CLASS: 65)

### **Section 15 Regulatory information**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### **CAUTION**

Hazard to humans and domestic animals.

### **Section 16 Other information**

Date of preparation:	December 28 <sup>th</sup> , 2020
Date of last revision:	December 28 <sup>th</sup> , 2020
Legend:	N/D = Not determined

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