



Safety Data Sheet Planter Pack Plus

SECTION 1: Identification

1.1 GHS Product identifier

Product name Planter Pack Plus

1.2 Recommended use of the chemical and restrictions on use

Plant nutrient/supplement for agricultural use

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

General hazard statement

KEEP OUT OF REACH OF CHILDREN

2.1 Classification of the substance or mixture

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

This product is not classified as a Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

2.2 GHS label elements, including precautionary statements.

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification.

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

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3.2 Mixtures

Components

1. Manganese (II) Sulfate

Concentration >10 % (weight)
CAS no. 7785-87-7
- Specific target organ toxicity (repeated exposure) (C.4.12), Cat. 2
- Hazardous to the aquatic environment, long-term (chronic) (chapter 4.1), Cat. 2

H373 May cause damage to organs [organs] through prolonged or repeated exposure [route]
H411 Toxic to aquatic life with long lasting effects

2. Zinc sulfate

Concentration >10 % (weight)
CAS no. 7733-02-0
- Acute toxicity, oral (C.4.1), Cat. 4
- Eye damage/irritation (C.4.5), Cat. 1
- Hazardous to the aquatic environment, short-term (acute) (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic) (chapter 4.1), Cat. 1

H302 Harmful if swallowed.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

3. Sodium molybdate

Concentration >0.5 % (weight)
CAS no. 7631-95-0

4. Ferrate(1-), [[alpha,alpha'-[1,2-ethanediyl]di(imino-kappaN)]bis[2-(hydroxy-kappaO)benzeneacetato-kappaO]](4-)-, sodium (1:1)

Concentration >1 % (weight)
CAS no. 16455-61-1

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	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. 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 thoroughly with plenty of water for at least 15 minutes and consult a physician.

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If swallowed

Call a poison center or doctor if you feel unwell. 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.

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.

5.2 Specific hazards arising from the chemical.

None that are known.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. For personal protection see section 8.

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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not eat, drink, or smoke while handling. Wash hands with soap and water after handling. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities.

Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Not normally required. 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

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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

Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): In case of insufficient ventilation wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Solid
Appearance	Powder
Color	Clear/Cloudy
Odor	Mild
Odor threshold	Not Applicable
Melting point/freezing point	32°F
Boiling point or initial boiling point and boiling range	Not Applicable
Flammability	Not Applicable
Lower and upper explosion limit/flammability limit	
Flash point	Closed Cup 102°C
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Applicable
pH	Not Applicable
Kinematic viscosity	Not Applicable
Solubility	Dispersible
Partition coefficient n-octanol/water (log value)	Not Applicable
Vapor pressure	Not Applicable
Evaporation rate	Not Applicable
Density and/or relative density	Not Applicable
Relative vapor density	Not Applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

None, material is non-reactive.

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

None that are known.

10.4 Conditions to avoid.

None that are known.

10.5 Incompatible materials

None that are known.

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10.6 Hazardous decomposition products

None that are known.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

None that are known.

Skin corrosion/irritation

May cause skin irritation.

Serious eye damage/irritation

Causes eye irritation.

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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 on product.

SECTION 13: Disposal considerations

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Disposal methods

Product disposal

Offer surplus and non-recyclable solutions to a licensed disposal company.

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

SARA 302 Components

No SARA hazards.

SARA 311/312 Hazards

No SARA hazards.

SARA 313 Components

No SARA hazards.

Toxic Substances Control Act (TSCA) Inventory

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

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: October 30, 2023

16.1 Further information/disclaimer

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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