Safety Data Sheet

According to 29 CFR 1910.1200 App D

Completion date: 2/17/2026 Version number: 1

SECTION 1: IDENTIFICATION

1.1 Product identifier: **Homestretch GreenCharge**

Other means of identification: Not applicable.

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses: Agricultural use. Refer to product label.

Uses advised against: None known.

1.3 Name, U.S. address, and U.S. telephone number of the manufacturer, importer, or other responsible party:

Meristem Crop Performance Group
489 Village Park Drive
Powell, OH 43065
Telephone Number: +1 (833) 637-4783

1.4 Emergency phone number:

Incident, Spill, Leak, Fire, Exposure or Accident
Call CHEMTREC Day or Night
Within USA and Canada: +1 (800) 424-9300
Outside USA: +1 (703) 741-5970

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture:

29 CFR 1910.1200:

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

2.2 Label elements:

29 CFR 1910.1200:

Hazard statements:

Non-applicable

Precautionary statements - Prevention:

Keep out of reach of children. Do not eat, drink or smoke when using this product.

Precautionary statements - Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Hazards not otherwise classified (HNOC):

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Non-applicable

3.2 Mixtures:

Components:

None of the substances constituting the product are found in concentrations that would cause the product to be classified

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation,however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

In case of consumption, seek immediate medical assistance showing the SDS of this product.

4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Non-applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...).

Additional provisions:

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and materials for containment and cleaning up:

For accidental releases in excess of reportables quantities (RQ) (Table 302.4), refer to 40 CFR 302 for detailed instructions concerning reporting requirements and notify the National Response Center (800) 424-8802.

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.
Spillages in water or sea:
Small spillages:
Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.
Large spillages:
If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:
Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6). It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products. It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2

7.2 Conditions for safe storage, including any incompatibilities:
Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

7.3 Specific end use(s):
Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits	
Proprietery component	TLV-TWA	0.02 mg/m³
	TLV-STEL	

8.2 Biological limit values:
No biological exposure limits noted for the ingredient(s).

8.3 Appropriate engineering controls:
Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide easy access to water supply and eye wash facilities.

8.4 Individual protection measures, such as personal protective equipment:

Eye/face protection:
Wear safety glasses with side shields (or goggles). Wear a face shield if there is risk of splashing.

Skin protection:

Hand protection:
Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other:
Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection:
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

Thermal hazards:
Wear appropriate thermal protective clothing when necessary.

Environmental exposure controls:
Use appropriate containers to avoid environmental contamination. Keep away from drains, surface, and ground water.

General hygiene considerations:
When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:

Physical state:	Liquid
Color:	Dark red
Odor:	Stale; slightly fermented
Odor threshold:	Data not available

Volatility:

Boiling point at atmospheric pressure:	Data not available
Vapor pressure:	Data not available
Evaporation rate:	Data not available

Product description:

Density:	1.192 g/mL
Relative density:	Data not available
Dynamic viscosity:	6.34 cPs
Kinematic viscosity:	Data not available
pH:	Data not available
Vapor density:	Data not available
Partition coefficient n-octanol/water:	Data not available
Solubility in water:	Complete
Solubility properties:	Data not available
Decomposition temperature:	Data not available
Melting point/freezing point:	Data not available

Flammability:

Flash Point:	Data not available
Flammability (solid, gas):	Data not available
Autoignition temperature:	Data not available
Lower flammability limit:	Data not available
Upper flammability limit:	Data not available

Particle characteristics:

Median equivalent diameter:	Data not available

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Data not available
Oxidizing properties:	Data not available
Corrosive to metals:	Data not available
Heat of combustion:	Data not available
Aerosols-total percentage (by mass) of flammable components:	Data not available

Other safety characteristics:

Surface tension:	Data not available
Refraction index:	Data not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Information on likely routes of exposure:
Test data are not available for the complete mixture.

Ingestion (acute effect):
Data not available.

Inhalation (acute effect):
Data not available.

Contact with the skin (acute effect):
Data not available.

Contact with the eyes (acute effect):
Data not available.

11.2 Symptoms related to physical, chemical, and toxicological characteristics:
Symptoms and effects are not known to date.

Information on toxicological effects:

Acute toxicity:
Not expected to be acutely toxic.

Product-specific toxicological information:
Test data are not available for the complete mixture.

Skin corrosion/irritation:
Not a skin irritant.

Eye damage/irritation:
Not an eye irritant.

Skin sensitization:
Not a skin sensitizer.

Respiratory sensitization:
Data not available.

Carcinogenicity:
This product is not considered to be a carcinogen by IARC, NTP, or OSHA.

- International Agency for Research on Cancer (IARC) Monographs on the Evaluation of Carcinogenic Risks to Humans
Not listed.

- National Toxicology Program (NTP) Report on Carcinogens
Not listed.

-OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Mutagenicity:
Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect.

Reproductive toxicity:
Data not available.

Specific target organ toxicity (STOT):

-Specific target organ toxicity - single exposure:
Not classified.

-Specific target organ toxicity - repeated exposure:
Not classified.

Aspiration hazard:
Not classified.

Chronic effects:
Prolonged inhalation may be harmful.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:
The experimental information related to the eco-toxicological properties of the product is not classified for environmental hazards under 29

CFR 1910.1200. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Persistence and degradability:
No data is available on the degradability of this product.

12.3 Bioaccumulative potential:
Data not available.

12.4 Mobility in soil:
Data not available.

12.5 Results of PBT and vPvB assessment:
Data not available.

12.6 Endocrine disrupting properties:
Data not available.

12.7 Other adverse effects:
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations:
Dispose in accordance with all applicable regulations.

Hazardous waste code:
The waste code should be assigned in discussion between the user, the producer, and the waste disposal company.

Waste from residues/unused products:
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal methods).

Contaminated packaging:
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

14.1 Transport of dangerous goods by land (DOT): Not regulated as dangerous goods.

14.2 Transport of dangerous goods by sea (IMDG): Not regulated as dangerous goods.

14.3 Transport of dangerous goods by air (IATA/ICAO): Not regulated as dangerous goods.

14.4 Transport in bulk (according to IMO instruments): Non-applicable.

SECTION 15: REGULATORY INFORMATION

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

Specific provisions in terms of protecting people or the environment:
It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product. Take into consideration other applicable federal, state, and local laws and local regulations.

California Proposition 65:
This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

Advice related to training:

According to 29 CFR 1910. 1200, training on chemical hazards is necessary for employees using this product. This training will facilitate their understanding and interpretation of the safety data sheet, as well as the product label.

Principal bibliographical sources:

Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:

IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
CL50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
IARC: International Agency for Research on Cancer

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End of SDS