SAFETY DATA SHEET

FloridaGreen Rootstart 6-3-3

Revision Date: October 16, 2026 | Version 1.0

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Form
Pelletized Mixture

Product Name
FloridaGreen Rootstart 6-3-3

Synonyms
Fertilizer, Class A Biosolids

1.2 Intended Use of the Product

Use of the substance/mixture
Fertilizer for landscape beds, transplants and turf establishment; soil augmentation; improve nutrient quality in soils

1.3 Name, Address, and Telephone of the Responsible Party/Company

MB Distribution
14555 Softwind Lane
Spring Hill, FL 34610
800-663-8830

Emergency Telephone Number
800-663-8830

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture (GHS-US Classification)

Irritant: GHS07
Skin Irritant 2 H315 Causes skin irritation
Eye Irritant 2A H319 Causes serious eye irritation
STOT SE 3 H335 May cause respiratory irritation
Aquatic Acute 2 H401 Toxic to aquatic life

2.2 Label Elements (GHS-US Labeling)

Hazard Pictograms (GHS-US)



GHS07

Signal Word (GHS-US)
Warning

Hazard Statements (GHS-US)
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
Toxic to aquatic life

Precautionary Statements (GHS-US)
Avoid breathing dusts.

Use only outdoors or in well ventilated areas.
Wear protective gloves.
Wear eye and face protection.
Wash skin thoroughly after handling.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If skin or eye irritation persists: Get medical advice.
Store in a dry, well ventilated place. Keep container closed.
Avoid unmanaged release into the environment.
Dispose of contents and container in accordance with local, state and federal regulations.

2.3 Other Hazards

Material may generate heat if it becomes wet and is stored in bulk. Fine dust may form combustible dust concentrations in air.

2.4 Unknown Acute Toxicity (GHS-US)

Less than 1% of the mixture consists of ingredients of unknown acute toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable. This product is a mixture.

3.2 Mixture (Include percentage of components)

Component	CAS No.	% by Weight	GHS-US Classification
Class A (exceptional quality) Biosolids, pelletized	Not assigned	80 to 90	Skin Irrit. 2 (H315), Eye Irrit. 2A (H319), STOT SE 3 (H335), Aquatic Acute 2 (H401)
Potassium Magnesium Sulfate (Langbeinite)	14977-37-8	10 to 15	Not classified
Urea, polymer coated	57-13-6	1 to 5	Not classified
Seaweed Extract (Ascophyllum nodosum)	84775-78-0	0.1 to 0.5	Not classified
Mycorrhizal Inoculant	Proprietary	0.05 to 0.5	Not classified
Manganese Sulfate Monohydrate	10034-96-5	Less than 0.1	Eye Dam. 1 (H318), STOT RE 2 (H373), Aquatic Chronic 2 (H411)
Water	7732-18-5	2 to 5	Not classified

Full text of H phrases: see Section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

INHALATION: In the event breathing becomes difficult, move to fresh air and keep at rest in a position comfortable for breathing. If normal breathing does not return or symptoms persist, seek medical attention.
EYE CONTACT: Do not rub eyes. Flush eyes with clean water continuously for at least 15 minutes. Lift eyelids while flushing to allow water in and dust particles out. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.
SKIN CONTACT: Wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse. Seek medical attention if irritation develops or persists.
INGESTION: This is not an anticipated route of exposure. Rinse mouth with water. Do not induce vomiting. If a significant quantity is ingested, consult a physician.

4.2 Most Important Symptoms and Effects Both Acute and Delayed

Dust may cause irritation of the eyes, skin, nose and throat and may cause coughing. Asthmatics exposed to dust may experience breathing difficulties. Frequent inhalation of dust over a long period of time may increase the risk of developing lung disease.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Water spray, dry chemical, foam, CO2. Avoid direct high pressure water jet, which may scatter dust.

5.2 Special Hazards Arising From the Substance or Mixture

Combustible organic solid. Wet material stored in bulk may self heat. Combustion may produce carbon, nitrogen and sulfur oxides and ammonia.

5.3 Advice for Firefighters

Wear normal full protective gear with self contained breathing apparatus as with any firefighting scenario. Do not breathe fumes. Prevent runoff from entering drains, sewers or bodies of water. Material becomes slippery when wet.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid creating and breathing dust. Gloves, eye protection and NIOSH approved particulate respirators are recommended.

6.1.1 For Nonemergency Personnel

Gloves, eye protection and NIOSH approved particulate respirators are recommended.

6.1.2 For Emergency Personnel

Gloves, eye protection and NIOSH approved particulate respirators are recommended.

6.2 Environmental Precautions

Prevent material from entering storm drains, sewers and bodies of water.

6.3 Methods and Materials for Containment and Cleaning Up

Sweep, vacuum and shovel dry material into a properly labeled container for use, or follow all local, state and federal regulations for disposal. Remove product from sidewalks, driveways and other impervious surfaces. Large spills may injure vegetation.

6.4 Reference to Other Sections

See Section 7: Handling and Storage and Section 8: Exposure Controls/Personal Protection

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Minimize dust. Avoid breathing dusts. Avoid contact with eyes and skin. Wash hands after handling and before eating, drinking or smoking.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store in a cool, dry, well ventilated location. Avoid getting wet during storage. Keep away from strong oxidizers, nitric acid, nitrites and hypochlorites (chlorine bleach).

7.3 Specific End Use(s)

Store in original container. Keep away from children and pets. Material may generate heat if it becomes wet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Particulates Not Otherwise Regulated/Specified	15 mg/m³ TWA (total); 5 mg/m³ TWA (respirable)	10 mg/m³ TWA (inhalable); 3 mg/m³ TWA (respirable)	Not established
Manganese Sulfate Monohydrate (as Mn)	5 mg/m³ (ceiling)	0.1 mg/m³ TWA (inhalable); 0.02 mg/m³ TWA (respirable)	1 mg/m³ TWA; 3 mg/m³ STEL

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls
Proper ventilation in bulk handling areas. Eyewash station in work area.

8.2.2 Personal Protective Equipment (PPE)
Gloves
Eye Protection
NIOSH approved particulate respiratory protection (N95 or better) in dusty environments

8.2.3 Materials for Protective Clothing
Long sleeved shirts and long pants. Disposable coveralls may be preferred.

8.2.4 Environmental Exposure Controls
Ventilation for dusts
Run off controls in the event of a spill

8.2.5 Other Information
If respirators are used, a program meeting OSHA 29 CFR 1910.134 should be followed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State
Solid, pelletized and granular

Appearance
Gray/Brown/Black pellets with white to pink granules and colored coated granules

Odor
Earthy / Organic

pH
6.5 to 7.5 (10% slurry)

Bulk Density
Approximately 51 lb/ft³ (820 kg/m³)

Solubility in Water
Partially soluble

Evaporation Rate
N/A

Melting Point
N/A

Freezing Point
N/A

Boiling Point
N/A

Flash Point
Did not flash

Auto Ignition Temperature

501 °C

9.2 Other Information

Guaranteed Analysis: Total Nitrogen (N) 6%, Available Phosphate (P2O5) 3%, Soluble Potash (K2O) 3%

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under normal conditions of storage and use.

10.2 Chemical Stability

Stable under normal conditions. Product is hygroscopic and will absorb moisture from the air.

10.3 Possibility of Hazardous Reactions

Urea reacts with hypochlorites to form explosive nitrogen trichloride. Hazardous polymerization will not occur.

10.4 Conditions to Avoid

Moisture, high temperatures and bulk storage of wet material. Avoid storing or mixing with oxidizers, as they may enhance combustibility.

10.5 Incompatible Materials

Strong oxidizing agents, hypochlorites (chlorine bleach), nitric acid, nitrites and strong acids.

10.6 Hazardous Decomposition Products

Carbon/Sulfur/Nitrogen oxides and ammonia may be formed as a result of combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Primary Routes of Exposure: Inhalation (dust), Eye & Skin Contact, Ingestion.

Acute Toxicity (component data)

Component	Test	Result
Urea	LD50 Oral, Rat	14,300 mg/kg
Manganese Sulfate Monohydrate	LD50 Oral	2,150 mg/kg

Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Causes serious eye irritation.
Respiratory or Skin Sensitization: Not classified.
Germ Cell Mutagenicity: Not classified.
Carcinogenicity: No component present at or above 0.1% is listed as a carcinogen by IARC, NTP or OSHA.
Reproductive Toxicity: Not classified.
Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.
Specific Target Organ Toxicity (Repeated Exposure): Not classified.
Aspiration Hazard: Not applicable.

US EPA 40 CFR Part 503 (Biosolids Rule):

Under the Clean Water Act, the U.S. Environmental Protection Agency (EPA) conducted an extensive multimedia risk assessment, beginning in the mid 1970s, to establish specific regulations for the use and disposal of biosolids. Part 503 establishes numerical limits on pollutant concentrations to protect public health and the environment. Manufacturers are required to meet Class A pathogen reduction limits, metal limits and vector control requirements before land application for crops or vegetation fertilization. Using data from extensive risk assessment, the EPA estimates the risk of cancer to be very low for those exposed to biosolids products.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Component	Species	Result
Urea	Fish (Leuciscus idus), LC50 96 hr	Greater than 6,810 mg/L
Manganese Sulfate Monohydrate	Fish, LC50	14.5 mg/L
Manganese Sulfate Monohydrate	Daphnia, EC50	5.7 to 9.8 mg/L

12.2 Persistence and Degradability

Organic components are biodegradable.

12.3 Bioaccumulative Potential

Not expected to bioaccumulate.

12.4 Mobility in Soil

Urea, potassium and sulfate are water soluble and mobile in soil.

12.5 Other Adverse Effects

Avoid unmanaged release into the environment. Nutrients entering surface water may contribute to algae growth. Do not apply near water, storm drains, drainage ditches or impervious surfaces.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose of in a safe manner, which is in accordance with local, state and federal regulations. Avoid unmanaged release into the environment. Empty bags may retain product residue.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name: FloridaGreen Rootstart 6-3-3, Fertilizer (Non Regulated Material)
Hazard Class: Non Regulated Material
Identification Number: N/A
Label Codes: N/A
Packing Group: N/A
ERG Number: N/A

14.2 In Accordance with IMDG

Proper Shipping Name: FloridaGreen Rootstart 6-3-3, Fertilizer (Non Regulated Material)
Hazard Class: Non Regulated Material
Subsidiary Risk(s): N/A
Identification Number: N/A
Packing Group: N/A
Label Codes: N/A
Marine Pollutant: No

14.3 In Accordance with IATA

Proper Shipping Name: FloridaGreen Rootstart 6-3-3, Fertilizer (Non Regulated Material)
Hazard Class: Non Regulated Material
Identification Number: N/A
Packing Group: N/A
Label Codes: N/A
Subsidiary Risk(s): N/A

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

OSHA Hazard Communication Standard (29 CFR 1910.1200): Hazardous
US 40 CFR Part 503 (Biosolids Rule): Biosolids component meets Class A requirements
TSCA: Urea, potassium magnesium sulfate and manganese sulfate are listed on the TSCA Inventory. Biosolids, seaweed extract and mycorrhizal inoculant are exempt.
CERCLA Hazardous Substances (40 CFR 302.4): Not listed
SARA 302 Extremely Hazardous Substances: Not listed
SARA 311/312 Hazard Categories: Skin corrosion or irritation; Serious eye damage or eye irritation; Specific target organ toxicity (single exposure)
SARA 313 (TRI Reporting): Contains manganese compounds and zinc compounds below the 1.0% de minimis concentration

15.2 US State Regulations

No additional information available.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Other Information

Date of Preparation: October 16, 2026
Version: 1.0
NFPA Ratings: Health 1, Flammability 1, Instability 0
HMIS Ratings: Health 1, Flammability 1, Physical Hazard 0

GHS Full Text Phrases

H315 Causes skin irritation
H318 Causes serious eye damage
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H373 May cause damage to organs through prolonged or repeated exposure
H401 Toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.