SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Form

Pelletized Mixture

Product Name

FloridaGreen 5-3-0

Synonyms

Fertilizer, Class A Biosolids

1.2 Intended Use of the Product

Use of the substance/mixture

Soil Augmentation; Improve nutrient quality in soils

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

Merrell Bros., Inc.
8811 North 500 West
Kokomo, IN 46901
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)



Photo 1

Signal Word (GHS-US)

Warning

Hazard Statements (GHS-US)

May cause skin irritation
May cause serious eye irritation
May cause respiratory irritation
Could be toxic to aquatic life
Auto-Ignition Temperature: 501*C

Precautionary Statements (GHS-US)

Avoid breathing dusts.
Use only in outdoors or in well-ventilated areas
Wear protective gloves
Wear eye & face protection
Wash skin thoroughly after handling
Avoid unmanaged release into the environment

2.3 Other Hazards

None known

2.4 Unknown Acute Toxicity (GHS-US)

None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Pelletized mixture of Class A sewage sludges

3.2 Mixture (Include percentage of components)

Class A (exceptional quality) Sewage Sludge: 95-98%
Water: 2-5 %

Component (include percentage & GHS-US classification)

Chemical component

Chemical component 1

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. If normal breathing does not return or symptoms of illness occur, seek medical attention.
EYE CONTACT: Flush eyes with clean water continuously for at least 15 minutes. Lift eyelids while flushing to allow water in and dust particles out. (contact lenses must be removed) Seek medical attention is condition(s) persist.
SKIN CONTACT: Wash skin thoroughly with soap and water.
INGESTION: This is not an anticipated route of exposure. However, if a significant quantity is ingested, consult with a physician.

4.2 Most Important Symptoms and Effects Both Acute and Delayed

Asthmatics exposed to dust may experience breathing difficulties.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

No relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Water, dry chemical, foam, CO2

5.2 Special Hazards Arising From the Substance or Mixture

None. Normal full protective gear with self-contained breathing apparatus as with any firefighting scenario.

5.3 Advice for Firefighters

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

Gloves and NIOSH approved HEPA masks are recommended.

6.1.1 For Non-Emergency Personnel

Gloves and NIOSH approved HEPA masks are recommended.

6.1.2 For Emergency Personnel

Gloves and NIOSH approved HEPA masks are recommended.

6.2 Environmental Precautions

Prevent material from entering bodies of water.

6.3 Methods and Materials for Containment and Cleaning Up

Sweep, vacuum and shovel dry material into properly labeled container for use, or follow all local, state and federal regulations for disposal of non-hazardous, dried, pasteurized sewage sludges.

6.4 Reference to Other Sections

See Section 7: Handling and Storage

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Minimize dust. Avoid breathing dusts. Store in dry location. Avoid getting wet during storage.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

None known

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

No exposure limit concerns are known to be associated with this product.

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls

Proper ventilation in bulk handling areas.

8.2.2 Personal Protective Equipment (PPE)

Gloves
Eye Protection
HEPA grade respiratory protection - in dusty environments

Include photos or pictograms of PPEs

8.2.3 Materials for Protective Clothing

None needed. 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

None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State

Solid - pelletized

Appearance

Gray/Brown/Black small pellet

Odor

Earthy / Organic

pH

N/A

Evaporation Rate

N/A

Melting Point

N/A

Freezing Point

N/A

Boiling Point

N/A

Flash Point

Did not flash

9.2 Other Information

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No relevant information available.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

None known.

10.4 Conditions to Avoid

Avoid storing or mixing with oxidizers, as they may enhance combustibility.

10.5 Incompatible Materials

None known

10.6 Hazardous Decomposition Products

Carbon/Sulfur/Nitrogen oxides 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.
US EPA 40 CFR Part 503 (Biosolids Rule):
Under the Clean Water Act, the U.S. Environmental Protection Agency (EPA) did an extensive multimedia risk assessment, beginning in the mid-1970's, to determine and state specific regulations regarding the usage and disposal of biosolids. Part 503 establishes numerical limits on pollutant concentrations to protect public health and the environment. The Rule also provides comfort to the public in knowing that the biosolids product is safe to use and beneficial to their environment. Manufacturers are required to meet Class A pathogen reduction limits, metal limits, and vector control requirements. These specific requirements must be met in order before any of the following occur: land application for crops or vegetation fertilization; surface disposal; incineration. Many revisions have been made to Part 503, including standards for dioxin compounds. Using data from extensive risk assessment done over the years, the EPA estimates the risk of cancer to be very low for those who are exposed to large amounts of the biosolid products. Please refer to http://www.biosolids.com/regs.shtml for more information.
Based on available data, no toxicological classification criteria are met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No additional information available

12.2 Persistence and Degradability

Not established.

12.3 Bioaccumulative Potential

Not established.

12.4 Mobility in Soil

No additional information available

12.5 Other Adverse Effects

Avoid unmanaged release into the environment.

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.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name

Florida Green All Purpose Fertilizer 6-8-1
Class A Biosolids Pellet
(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

Florida Green All Purpose Fertilizer 6-8-1
Class A Biosolids Pellet
(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

EmS-No. (Fire)

EmS-No. (Spillage) S-C

N/A

MFAG Number

N/A

14.3 In Accordance with IATA

Proper Shipping Name

Florida Green All Purpose Fertilizer 6-8-1
Class A Biosolids Pellet
(Non-Regulated Material)

Packing Group

Non-Regulated Material

Identification Number

N/A

Hazard Class

N/A

Label Codes

N/A

Subsidiary Risk(s)

N/A

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

US Part 40 CFR Part 503 (Biosolids Rule)

15.2 US State Regulations

No additional information available.

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

Other Information

GHS Full Text Phrases

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.