



SAFETY DATA SHEET

Mirimichi Green
418 Hermitage Rd.
Castle Hayne, NC 28429

In Case of Emergency, Call
Information: +1-910-602-1681
CHEMTREC: 1-800-424-9300

1. CHEMICAL IDENTIFICATION

Product Name: EMPRO Soil Enhancer
Principal Functioning Agents: Pine wood Biochar, Humate, Sunflower Hull Ash, Silicon
Recommended Use: Granular Soil Amendment
Manufacturer Address: Mirimichi Green
418 Hermitage Road
Castle Hayne, NC 28429

Manufactured for: Ewing Irrigation
3441 East Harbour Drive
Phoenix, AZ 85034
Phone Number: +1 602-437-9530

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS Label Elements, including precautionary statements

This product contains no substances which, at their given concentration, are considered to be hazardous to health.

Precautionary Statements – Prevention

P202 - Do not handle until all safety precautions have been read and understood.

P281 - Use personal protective equipment as required.

Precautionary Statements – Storage

P402 - Store in a dry place.

Other Information:

May form combustible dust concentrations in air. Mild eye irritation. May cause respiratory irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material	% by weight	CAS#	ACGIH TLV	OSHA-PEL
Biochar/Carbon	45%	7440-44-0	Not Established	Not Established
Humate	25%	1415-93-6	Not Established	Not Established
Sunflower Hull Ash	15%	N/A	Not Established	Not Established
Amorphous Silica	5%	7631-86-9	Not Established	Not Established

4. FIRST AID MEASURES

Eye Contact:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin Contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Wash contaminated clothing before reuse. Call a poison control center or doctor for further treatment advice.
Inhalation:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion:	Call poison control center or doctor immediately for treatment advice

5. FIRE FIGHTING MEASURES

Flash Point:	Not applicable.
Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Procedures:	Use water spray to keep fire exposed containers cool. Fight fire from protected location or maximum possible distance. Dike area to prevent water runoff. Firemen should wear self-contained breathing apparatus and protective clothing.
Unusual Fire Hazards:	None.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear personal protective equipment.
Environmental Precautions:	None
Methods for Containment:	None
Methods for Cleaning Up:	Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Do not contaminate water, food or feed by storage or disposal.

Handling:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Avoid generation of dust.
Storage Conditions:	Keep in a dry and cool place. Keep out of reach of children and animals. Keep/store only in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	None under normal use conditions. Ensure adequate ventilation, especially in confined areas.
Eye Protection:	No special technical protective measures are necessary.
Respiratory Protection:	No special technical protective measures are necessary.
Dermal Protection:	Handle in accordance with good industrial hygiene and safety practice.

Other Precautions: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash thoroughly with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor:	Earthy Smell.
Physical State:	Granular
Color:	Brown
Vapor Pressure:	No information available.
Bulk Density:	No information available
Molecular Weight:	No information available
Viscosity:	No information available
Melting Point:	No information available
Flash Point:	N/A
Specific Gravity:	No information available
pH:	6.7
Water solubility:	Slightly Soluble
Refractive Index:	No information available

10. STABILITY AND REACTIVITY

Chemical Stability:	This product is stable under recommended storage conditions.
Incompatibility:	None known.
Decomposition Products:	None known.
Hazardous polymerization:	None known.

11. TOXICOLOGICAL DATA

Ingestion:	Non-toxic natural bacteria.
Skin Contact:	May cause minor irritation.
Eye Contact:	May cause minor irritation.
Inhalation LC ₅₀ :	May cause minor irritation.
Allergy Sensitization:	No information available.
Carcinogenicity:	Non-Carcinogenic.

12. ECOLOGICAL DATA

Aquatic:	No information available.
Avian:	No information available.
Invertebrates:	No information available.
Algae:	No information available.
Bees:	No information available.
Degradability:	Product is readily biodegradable.

13. DISPOSAL CONSIDERATION

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in accordance with applicable federal, state or local procedures.

Containers: Procedures in accordance with state and local regulations must be observed.

14. TRANSPORTATION DATA

DOT:	Not Regulated.
TDG:	Not Regulated.
ICAO/IATA:	Not Regulated.
IMDG/IMO:	Not Regulated.
UN CLASSIFICATION:	Not classified as a hazardous material for transport.

15. REGULATORY DATA

U.S. Federal Regulations:

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden release of pressure hazard:	No
Reactive Hazard:	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122-42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

Threshold Limit Value:	OSHA PEL – N/A
	ACGIH TLV – N/A

NOTE: Threshold limit values defined by local regulations must be observed.

U.S. State Regulations:

California Proposition 65 – This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations – N/A

International Inventories – N/A

EPA Pesticide Registration Number - N/A

16. OTHER INFORMATION

Date of Last Revision: April 12, 2022

NFPA and HMIS ratings assigned to this product are based on the hazards of its ingredient (s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product SDS.

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