

Safety Data Sheet

SECTION 1: IDENTIFICATION

MANUFACTURED FOR: GreenTechnologies, LLC
6811 GreenEdge Trce
Jacksonville, FL 32234
(904) 289-4322

EMERGENCY TELEPHONE NO:
INFOTRAC 800-535-5053

TRADE NAMES AND SYNONYMS: *GreenEdge*® 8-2-1 Plus
CHEMICAL NAMES AND SYNONYMS: Slow Release Fertilizer with Organic Nitrogen
RECOMMENDED USE: Fertilizer for lawn, garden, agricultural, or professional applications.

SECTION 2: HEALTH AND HAZARD INFORMATION

This fertilizer is a homogenous granule of nitrogen and phosphates, and micro-ingredients which include metal salts such as iron, manganese, copper, and zinc. A review of the ingredients salts indicates that ingestion may cause diarrhea, purging, and flatulence. Nausea and vomiting could be expected upon larger dose ingestion. The acute effects of ingestion are described as nausea, chills, and diarrhea.

Eye or skin contact with these products could cause irritation (particularly to sensitive persons), and respiratory irritation could be expected from the unprotected breathing of fertilizer dust. Product users should avoid prolonged or repeated skin contacts and they should use eye protection when required by conditions of use. Product users should wash thoroughly after using or handling these fertilizers.

Since children could possibly ingest toxic doses of fertilizers, these products should be stored in a secure place and away from children.

OSHA/HCS STATUS: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

HAZARD CLASSIFICATION: Not Classified

HAZARD STATEMENTS: NA

HAZARD PICTOGRAM: NA

SIGNAL WORD: NA

PRECAUTIONARY STATEMENTS: NA

HAZARDS NOT OTHERWISE CLASSIFIED: NA

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

		<u>CAS No.</u>
Typical Composition:	70% - Biosolids by weight	8049-99-8
	20% Ammonium Sulfate by weight	57-13-6
	5% - Potassium and Magnesium by weight	7705-08-0
	5 % Water by weight	7732-18-5
	<0.01% - Polymerization Agents by weight (Note see product tag or label for specific ingredients)	

No hazardous ingredient exceeds 1% of mixture. Most of the trace metals and volatile organics make up less than 0.1% of this product. The biosolids in this product is a Class AA Exceptional Quality Biosolids under US EPA 40 CFR Part 503.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

Description of First Aid Measures

- Ingestion: Dilute with water or milk. If necessary, induce vomiting only if victim is conscious.
- Inhalation: Remove to fresh air. If not breathing give artificial respiration.
- Skin: Wash from skin with soap and water.
- Eyes: Flush with running water for at least 15 minutes until irritation subsides.

Call a physician immediately in all cases of suspected poisoning

Physicians: treat patients symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:

N/A

FLAMMABLE LIMITS (PERCENT BY VOLUME):

N/A

FIRE EXTINGUISHING MEDIA (Determined by surrounding fire): Foam, Water Spray, CO₂

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment and self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product can give off undefined fumes at high temperatures. Sulfur containing components may release oxides or sulfur. Do not breathe fumes. Under wet conditions bulk storage may generate heat. Concentrated fine dust dispersion in air may cause explosive mixture.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Do not walk through spilled material. Collect spilled material into a suitable container for disposal or reuse. Reuse material where applicable. Follow all local, state, and federal regulations for disposal procedures. Avoid dispersal of material into waterways, drains, or sewers.

SECTION 7: HANDLING AND STORAGE

HANDLING: Wear personal protective equipment as specified in Section 8.

Do not eat, drink, or smoke in areas where the material is stored or handled. Wash hands thoroughly after handling. This product is fertilizer. Do not eat it, and avoid breathing in its dusts. Avoid prolonged contact with the material, as it may irritate those with sensitive skin.

STORAGE: Store this product in a cool, dry place, away from sources of high heat and moisture.

Protect bags or other containers from damage. Keep bags or other containers closed when not in use. Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

ACGIH TLV/OSHA PEL: <10mg/M³

ENGINEERING CONTROLS:

Good ventilation should be available to reduce contact with fertilizer dust.

PERSONAL PROTECTIVE EQUIPMENT:

Use NIOSH approved particulate respirator if respirable dust is generated or is anticipated during product use. Use other protective

equipment (goggles, gloves, etc.) as required by conditions of product use.

HYGIENE MEASURES:

Wash hands, forearms, and face thoroughly after handling material, and before eating, drinking, smoking, or using the bathroom. Wash contaminated clothing before reusing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: Black granular, with earthy scent

UPPER/LOWER FLAMMABILITY LIMITS: NA

VAPOR PRESSURE: N/A

ODOR THRESHOLD: N/A

VAPOR DENSITY: N/A

pH: Slightly Acidic

SPECIFIC GRAVITY: >1

MELTING/FREEZING POINT: N/A

BOILING POINT: N/A

SOLUBILITY-WATER: Slowly soluble

FLASH POINT: N/A

EVAPORATION RATE: N/A

FLAMMABILITY: Not flammable

PARTITION COEFFICIENT: N/A

AUTO-IGNITION TEMPERATURE: N/A

DECOMPOSITION TEMPERATURE: N/A

VISCOSITY: N/A

SECTION 10: STABILITY AND REACTIVITY DATA

REACTIVITY:

No reactivity data available for this material.

CHEMICAL STABILITY:

The material is stable.

CONDITIONS TO AVOID:

Avoid excessive heat or moisture.

INCOMPATIBLE MATERIALS:

Strong oxidizers.

HAZARDOUS REACTIONS:

Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCT:

Similar to other organic materials

HAZARDOUS POLYMERIZATION:

Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

LD50 Information:

Oral: Not Determined

Acute: Not Determined

Inhalation: Not Determined

Dermal: Not Determined

Carcinogen/Teratogen/Mutagen: Not listed (NTP)

Possible Carcinogen: Not listed (OSHA/IARC)

ACUTE HEALTH EFFECTS

Ingestion

May cause diarrhea, purging, and flatulence. Nausea and vomiting could be expected upon larger dose ingestion. The acute effects of ingestion are described as nausea, chills, and diarrhea.

Inhalation	Respiratory irritation could be expected from the unprotected breathing of fertilizer dust.
Skin Contact	No known significant effects or hazards
Eye Contact	Irritation (particularly to sensitive persons)

CHRONIC EXPOSURE EFFECTS

Pre-existing respiratory conditions may be aggravated by exposure to dusts.

SECTION 12: ECOLOGICAL INFORMATION

Keep out of waterways, drains, and sewers.

SECTION 13: DISPOSAL INFORMATION

Recover spills for reuse or place recovered material in a state approved landfill or incinerator. Follow Federal, state, and local regulation for disposal.

SECTION 14: TRANSPORT INFORMATION

UN Number: Not Regulated.
UN Proper Shipping Name: NA
Transport Hazard Classes: NA
Packing Group Number: NA
Environmental Hazards: NA
Guidance on Transport in Bulk:
Special Precautions: NA

SECTION 15: REGULATORY INFORMATION

SARA TITLE III HAZARD CATEGORY

- | | |
|------------------|-----|
| • IMMEDIATE | No |
| • SUDDEN RELEASE | No |
| • FIRE | Yes |
| • DELAYED | No |
| • REACTIVE | No |

SUBSTANCES REGULATED UNDER SARA TITLE III, SEC.313: None listed

SECTION 16: OTHER INFORMATION

DATE OF ISSUE: 5/30/15
SUPERSEDES: NEW

All information in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be

necessary or desirable when particular exceptional, or variable conditions or circumstances exist or because of applicable laws or governmental regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and safety and health of employees. Accordingly, no warranty of merchantability, fitness for any purpose, or any other warranty, expressed or implied is made as concerns the information provided herein.

NEPA HAZARD RATING:

Health=1	0-Least
Flammability=0	1-Slight
Reactivity=0	2-Moderate
	3-High
	4-Severe

Acronyms Used:

NTP:	National Toxicology Program
IARC:	International Agency for Research on Cancer
OSHA:	Occupational Safety and Health Administration
EPA:	Environmental Protection Agency
ACGIH:	American Conference of Governmental Industrial Hygienists
PEL:	Permissible Exposure Limit
TLV:	Threshold Limit Value
NIOSH:	National Institute for Occupational Safety and Health
SARA:	Superfunds Amendments and Reauthorization Act
N/A:	Not Available