



SAFETY DATA SHEET

DIAMOND-GRO® PRODUCTS



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION	SYNONYMS	CHEMICAL NAME
Diamond-Gro™ Products	Diamond-Gro™ Compost, Diamond-Gro™ Turf Topdressing, Diamond-Gro™ Custom Soil Blend	None
RECOMMENDED USE OR RESTRICTIONS Diamond-Gro products are organic blend compost humus soil conditioners from 100% natural agricultural components and processed by aerobic windrow composting. The products are used as a turf topdressing, landscape soil amendment, and as a component in root zone construction in landscaping applications.		
MANUFACTURER	ADDRESS	TELEPHONE NO.
New Enterprise Stone & Lime Co., Inc. or related brands: Martin Limestone, Inc.	PO Box 77, New Enterprise, PA 16664	814.766.2211
SDS PREPARED BY	ADDRESS	TELEPHONE NO.
New Enterprise Stone & Lime Co., Inc.	PO Box 77, New Enterprise, PA 16664	814.766.2211
IN CASE OF EMERGENCY CONTACT		EMERGENCY PHONE NO.
CHEMTREC		800.424.9300

SECTION 2: HAZARD(S) IDENTIFICATION

HAZARD CLASSIFICATION:
Nuisance Dust
Skin Irritant



SIGNAL WORD: Warning

HAZARDS OVERVIEW: Diamond-Gro products are organic blend compost humus soil conditioners derived from 100% natural agricultural components and processed by aerobic windrow composting. Agricultural input components are wood-based livestock bedding (shavings and sawdust), blended livestock manure, hay, straw, spent grain, and vegetative agricultural by-products. Windrow composting facilitates the decomposition and stabilization of these non-hazardous agricultural input components. Diamond-Gro Custom Soil is a blend of compost with natural soil and topsoil.

PRIMARY ROUTE(S) OF EXPOSURE: Inhalation

ADDITIONAL ROUTE(S) OF EXPOSURE: Skin and/or eye contact

EYE CONTACT: Nuisance dust

SKIN CONTACT: May be a minor skin irritant to sensitive individuals.

SKIN ABSORPTION: Non-hazardous

INGESTION: May cause temporary irritation.

INHALATION: May irritate mucous membranes.

See Section 8 for exposure thresholds.



SAFETY DATA SHEET

DIAMOND-GRO® PRODUCTS



SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

CAS No.	COMPONENT / CHEMICAL NAME	Wt.% (Approx.)
	None*	

*Product does not contain any hazardous components as defined by OSHA under 29 CFR 1910.1200.

SECTION 4 – FIRST-AID MEASURES

- INHALATION:** Remove person from exposure area to fresh air.
- EYES:** Rinse immediately with plenty of water. If irritation persists, seek medical attention.
- SKIN:** Wash with soap and water.
- INGESTION:** No special precautions – product is considered non-toxic in small amounts. If large amounts are ingested, seek medical attention since gastrointestinal irritation and/or blockage may result.

SECTION 5 – FIRE-FIGHTING MEASURES

- EXTINGUISHING AGENTS:** Product is not flammable, combustible, or explosive. Product contains a high percentage of organic matter and will slowly burn. Use extinguishing media appropriate for surrounding fire.
- SPECIAL FIRE FIGHTING PROCEDURES:** Use self contained breathing apparatus (SCBA) with full face mask. If product is packaged, packaging may be flammable. Treat plastic packaging as an oil fire.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** See Section 10 regarding Stability and Reactivity.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- Personal Precautions:** The personal protection and control measures identified in Section 8 of this SDS should be used as appropriate.
- Environmental Precautions:** No specific precautions. Mix extra product with soil for use or discard any product, residue, disposable container or liner in compliance with regulatory requirements.
- Cleanup procedures:** Sweep up and put into container or recycle.
- Special Procedures:** No special containment or evacuation procedures are necessary.

SECTION 7 – HANDLING AND STORAGE

Avoid excessive dust formation and breathing dust. Product is typically used outdoors which provides adequate natural ventilation. Follow the personal protection and control measures set forth in Section 8 of this SDS when handling this product.



SAFETY DATA SHEET

DIAMOND-GRO® PRODUCTS



SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CAS No.	COMPONENT / CHEMICAL NAME	Wt.% (Approx.)	IDLH (mg/m ³)	EXPOSURE LIMITS ^{(a),(b)}			
				TYPE	OSHA PEL (8-HR TWA)	NIOSH REL (TWA)	ACGIH (TWA)
None	Inert or Nuisance Dusts	Varies ^(c)	NE ^(d)	Respirable fraction ^(e)	5 mg/m ³ or 15 mppcf	NE	NE
				Total dust ^(f)	15 mg/m ³ or 50 mppcf		

Notes:

- (a) OSHA PEL (permissible exposure limits) taken from 29 CFR 1910.1000, Table Z-1. Proposed MSHA PEL withdrawn in 2002 and 2004; therefore, assume the OSHA PEL to represent any MSHA PEL. NIOSH and IDHL values obtained from the Centers for Disease Control and Prevention (CDC) NIOSH Pocket Guide. ACGIH values obtained from www.acgih.org where available.
- (b) TWA = 8-Hour Time Weighted Average. No ceiling or short-term exposure limits (STEL) have been designated for the above ingredient(s).
- (c) Composition varies naturally.
- (d) NE = Not Established
- (e) "Respirable fraction" refers to the amount of airborne dust in sizes capable of passing through the upper respiratory system to reach the lower lung passages; i.e., the amount of dust small enough to be inhaled into the lungs during periods of exposure to a product. Not all dust is respirable.
- (f) "Total dust" refers to the total amount of all airborne particulate generated for a particular component.
- (g) mppcf = million of particles per cubic foot of air, based on impinger samples counted by light field techniques.

ACGIH – American Conference of Governmental Industrial Hygienists
 IDLH – Immediately Dangerous to Life and Health
 MSHA – Mine Safety and Health Administration
 NIOSH – National Institute for Occupational Safety and Health
 OSHA – Occupational Safety and Health Administration
 PEL – Permissible Exposure Limit
 REL – Recommended Exposure Limit
 STEL – Short Term Exposure Limit
 TLV – Threshold Limit Value
 TWA – Time Weighted Average

EXPOSURE LIMIT VALUES: None

ENGINEERING CONTROLS: If used in an enclosed area, provide adequate local exhaust ventilation. Wetting the material will help prevent excessive dust.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: For dusty conditions use an approved dust mask.

VENTILATION: Typically used outdoors with natural ventilation.

SKIN PROTECTION: Wearing of protective gloves and clothing is not required but may help prevent skin dryness and irritation.

EYE PROTECTION: Safety glasses with side shields or dust goggles may be worn to prevent potential eye irritation when excessively (visible) dusty conditions are present or are anticipated. The employer should provide a source of clean water within the immediate working area for emergency use.

HYGIENE: Wash exposed skin with soap and water before eating, drinking, and smoking. Wash work clothes after each use. Product may stain clothing.

OTHER CONTROL MEASURES: Engineering controls, including, but not limited to, wet suppression, ventilation, etc., should be used as needed when working in enclosed areas to reduce exposure to dust and particulates.



SAFETY DATA SHEET

DIAMOND-GRO® PRODUCTS



SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Dark brown, soil-like, earthy “forest soil” aroma

pH: 6.9 to 9

SPECIFIC GRAVITY (H₂O = 1): 2.6

MELTING POINT/FREEZING POINT: Not Applicable

BOILING POINT (AT 1 ATM): Not Applicable

FLASHPOINT (Method Used): None

FLAMMABLE LIMITS IN AIR: Not flammable LFL - NA UFL – NA

EVAPORATION RATE (ETHER = 1): Not Applicable

VAPOR DENSITY IN AIR (AIR = 1): Not Applicable

VAPOR PRESSURE: Not Applicable

BULK DENSITY: 30-31 lbs/ft³

SOLUBILITY IN WATER: Negligible

DECOMPOSITION TEMPERATURE: 1750°F to 1950° F

AUTOIGNITION TEMPERATURE: Not Applicable

VISCOSITY: Not Applicable

PARTITION COEFFICIENT: Not Applicable. The partition coefficient does not apply to solids.

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY AND REACTIVITIES:
(MATERIALS TO AVOID): None

HAZARDOUS DECOMPOSITION PRODUCTS: Slight residual ammonia odor from the aerobic composting decomposition process.

HAZARDOUS POLYMERIZATION: None

SECTION 11 – TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE OVEREXPOSURE:

EYE CONTACT: Direct contact with dust may cause mechanical irritation of the eyes.

SKIN CONTACT: Direct contact may cause dryness or mild irritation.

INGESTION: This material is considered to be harmless and inert when ingested.

INHALATION: Exposure to a large concentration of dust may cause mechanical irritation of the mucous membranes and respiratory tract. Odor may cause irritation if used in enclosed areas without sufficient natural ventilation.

EFFECTS OF CHRONIC OVEREXPOSURE:

EYE CONTACT: Repeated exposure may cause conjunctive inflammation.

SKIN CONTACT: Prolonged contact may cause dryness or mild irritation.

INGESTION: Not expected to occur.

INHALATION: May cause more serious irritation or inflammation of the mucous membranes and respiratory tract.

CARCINOGENICITY: None.



SAFETY DATA SHEET

DIAMOND-GRO® PRODUCTS



SECTION 12 – ECOLOGICAL INFORMATION

Product is not ecotoxic or harmful to aquatic life or plant life.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Not a RCRA hazardous waste. Collect and reuse clean materials. Dispose of waste material in accordance with applicable federal, state, and local laws and regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT HAZARD CLASS: Not restricted. Not hazardous under U.S. Department of Transportation regulations.

UN NUMBER OR SHIPPING NAME: None

PACKING GROUP: NA

PLACARD REQUIRED: None

LABEL REQUIRED: Label as required by the OSHA Hazard Communication standard [29 CFR 1910.1200(f)] and applicable state and local laws and regulations.

ENVIRONMENTAL HAZARDS: None. Product is not expected to be ecotoxic or harmful to aquatic life

SPECIAL PRECAUTIONS: None

SECTION 15 – REGULATORY INFORMATION

US FEDERAL REGULATIONS:

Occupational Health and Safety Administration (OSHA)

OSHA requires carcinogens as defined on the following lists to be reported when present at quantities of 0.1% or greater:

National Toxicology Program (NTP) Annual Report on Carcinogens: None

International Agency for Research on Cancer (IARC) Monographs: None

Signal word: WARNING Pictogram(s):

Toxic Substance Control Act (TSCA)

TSCA Status: This product contains no listed Toxic Substances Control Act substance. Export of the product may be subject to premanufacture notice (PMN) requirements.

Superfund Amendments and Reauthorization Act (SARA) Title III / Emergency Planning and Community Right to Know Act (EPCRA)

Section 302/304: This product is not listed under Section 302/304.

Section 311/312: Not subject to SARA Title III (EPCRA) Section 311 requirements.

Section 313: This product is not subject to the reporting requirements of SARA Title III (EPCRA), Section 313 relating to Toxic Release Inventory (TRI) Reporting.



SAFETY DATA SHEET

DIAMOND-GRO® PRODUCTS



Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

This product is not a CERCLA hazardous substance so releases of this product, in quantities equal to or greater than their reportable quantity (RQ), are not subject to reporting to the National Response Center under CERCLA or to state and local emergency planning committees under Section 304 of SARA Title III (EPCRA).

US STATE REGULATIONS:

State Right-to-Know Regulations

User should consult state or local authorities for specific regulations that may apply.

Other State Listings

California Proposition 65

The Safe Drinking Water and Toxic Enforcement Act of 1986, commonly known as Proposition 65, is a California law which requires any manufacturer, packager, or producer who conducts business in California to comply with the provisions of Proposition 65 by adding specific warnings to products and shipments that are sent to California. This product is not listed on Proposition 65.

Delaware Air Quality Management List

This product is not listed under Delaware's *Reporting of a Discharge or Air Contaminant* (7 Del. C., Section 6028) regulation for reporting the discharge of a pollutant or air contaminant meeting or exceeding a "Delaware Reportable Quantity" (DRQ).

New Jersey TCPA EHS List

This product contains no chemicals currently listed on the TCPA EHS List. New Jersey's Toxic Catastrophe Prevention Act (TCPA) (N.J.S.A. 13:1K-19 et seq.) verifies compliance with state and federal accidental release prevention (ARP) requirements, including mandates to have a DEP-approved risk management program (RMP) if an extraordinarily hazardous substance (EHS) is handled, used, manufactured, stored, or generated over the specific quantities listed in the Act.

SECTION 16 – OTHER INFORMATION

Date of Preparation: 08/15/14
Updated: 05/20/15
Supersedes: all previous versions

The information in this SDS, including but not limited to product composition, recommended industrial hygiene, and safe handling procedures, was obtained from sources believed to be reliable and is offered in good faith as generally applicable; however, exact compositions may vary. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. No warranty, either express or implied, is hereby made. Once this product leaves this facility, the conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product. The recipient of this material should be aware of the possible existence of additional local regulations which may be applicable to this material.