



MATERIAL SAFETY DATA SHEET

GEOTERRA STRUCTURAL MAT SYSTEM

EMERGENCY NUMBER: 920-738-1269

PRODUCT INFORMATION &
PRODUCT APPLICATIONS 800-548-3424

SECTION I - IDENTIFICATION

PRODUCT: GeoTerra

CHEMICAL FAMILY: Polyolefin

PRODUCT DESCRIPTION: Fabricated polymer article

SECTION II - HAZARDOUS INGREDIENT INFORMATION

This product is not a hazardous chemical as defined in 29 CFR 1910.1200.

SECTION III - HEALTH INFORMATION

SWALLOWING: No evidence of adverse effects.

SKIN CONTACT: Molten or heated material can cause serious burns to unprotected skin.

EYE CONTACT: Particulates and fines may cause mechanical irritation to the eyes.

INHALATION: Dust can be caused by handling and some operations. Thermal decomposition may generate fumes which may be irritating to the respiratory tract.

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SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

PEL/TWA (OSHA Permissible Exposure Limit/Time-Weighted Average): No OSHA PEL for this mixture. For particulates not otherwise regulated (dust): 15 mg/m³ for total dust and 5 mg/m³ for respirable dust.

TLV/TWA (ACGIH Threshold Limit Value/Time-Weighted Average): No ACGIH TLV for this mixture. For particulates not otherwise classified (dust): 10 mg/m³ for total dust.

SECTION V - EMERGENCY FIRST AID PROCEDURE

FOR OVEREXPOSURE BY:

SWALLOWING: This product is not known to be harmful by oral ingestion.

SKIN CONTACT: If contacted by molten polymer, immediately flush area with large amounts of water, call for prompt medical attention.

EYE CONTACT: This product is an inert solid. If in eye, remove as one would any foreign object.

INHALATION: In case of adverse exposure to fumes formed at elevated temperatures, immediately remove the individual from exposure. If breathing has stopped, give immediate artificial respiration, call for prompt medical attention.

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SECTION VI - PHYSICAL DATA

BOILING POINT	Does not apply.
MELTING POINT:	250-280° F (121-138° C)
VAPOR PRESSURE:	Does not apply.
SPECIFIC GRAVITY:	0.91 to 0.96 g/cc
VAPOR DENSITY (AIR = 1):	Does not apply.
SOLUBILITY IN WATER:	Insoluble
APPEARANCE AND ODOR:	Black polymer article, no odor

SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT & METHOD USED:	Does not apply.
AUTO-IGNITION TEMPERATURES:	Does not apply.
FLAMMABLE LIMITS IN AIR, % BY VOL.	LOWER: Does not apply. UPPER: Does not apply.

FIRE FIGHTING PROCEDURES: (Note: Individuals should perform only those fire-fighting procedures for which they have been trained.) Use water spray, dry chemical, foam, or carbon dioxide. Respiratory and eye protection required for fire-fighting personnel.

UNUSUAL FIRE & EXPLOSION HAZARDS: Combustion may produce carbon monoxide and irritating smoke.

SECTION VIII - REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS & MATERIALS TO AVOID: May burn or react violently with fluorine/oxygen mixtures. May be decomposed by strong oxidizing agents such as nitric and sulfuric acids, and chlorinating agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition products may include CO, CO₂, and organic vapors.

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SECTION IX - EMPLOYEE PROTECTION

VENTILATION: Engineering controls should be used whenever feasible to maintain concentrations below dust exposure limits (Section IV), including but not limited to enclosures, local ventilation and dilution ventilation. Provide adequate ventilation at locations where polymer is at elevated temperatures.

RESPIRATORY PROTECTION: Where engineering controls are not feasible or sufficient to achieve full conformance with dust exposure limits (Section IV), use NIOSH/MSHA approved respiratory protection equipment.

PROTECTIVE CLOTHING: Generally, no need anticipated. Wear heat protective gloves and clothing if there is potential contact with molten material.

EYE PROTECTION: If necessary, wear safety glasses meeting specifications of ANSI Standard Z87.1

SECTION X - ENVIRONMENTAL PROTECTION

WASTE DISPOSAL: All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible. This product, if disposed in its pure state, is not a RCRA hazardous waste.

SECTION XI - REGULATORY CONTROLS

DEPARTMENT OF TRANSPORTATION:

DOT CLASSIFICATION:	Non-regulated commodity
DOT PROPER SHIPPING NAME:	Non-regulated commodity
OTHER DOT INFORMATION:	Non-regulated commodity

OTHER REGULATORY REQUIREMENTS:

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Toxic Substance Control Act:

The components of this product are listed in the TSCA Inventory of Chemical Substances.

SARA Title III (Sections 311/312) Hazard Categories:

This product does not meet the criteria of any SARA hazard categories.

SECTION XII - STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD: Not applicable

STORAGE TEMPERATURE (F):	Ambient
STORAGE PRESSURE (mmHg):	Atmospheric
LOADING TEMPERATURE (F):	Not applicable
LOADING VISCOSITY (cSt @ F):	Not applicable

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PREPARED BY: Gary Bach

ORIGINATION DATE: Jan 1, 2008

REVISION DATE:

SUPERSEDES:

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