



GEOLINER[®]

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Material Name	GeoLiner [®]
Version	01
Revision Date	02-2019
CAS#	Mixture
Product Use	Infrastructure Repair
Manufacturer	Parson Environmental Products, Inc.
Address	PO Box 25, Wernersville, PA 19565
Contact Name	Craig S. Gaul
Email	craig4@ptd.net
Hours of Operation	8:30am - 5:00pm
Parson General Assistance	610-582-6060
24 Hour Emergency	Infotrac: 800-535-5053

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communications).
Potential Health Effects	
Routes of exposure	Inhalation. Eye Contact. Skin Contact.
Eyes	Contact may irritate or burn eyes. Do not get this product in contact with eyes.
Skin	Avoid contact with skin.
Inhalation Ingestion	Prolonged inhalation may be harmful. Avoid breathing any dust.
Ingestion	Do not ingest.
Target Organs	Eyes, skin, respiratory system, and lungs.
Chronic effects	Not available.
Signs and Symptoms	Irritation, of eyes and skin.
Potential Environmental Effects	Unknown

3. COMPOSITION / INFORMATION ON INGREDIENTS

On Ingratiates	
Hazardous Components	ACGIH TLV
Calcium Oxide	2 mg/M ³
Silica Amorphous	10 mg/M ³ SiO ₂
Admixtures	2 mg/M ³

4. FIRST AID MEASURE

First aid procedures	
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Seek medical attention immediately.



Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention immediately.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Notes to physician	Symptoms may be delayed.

5. FIRE FIGHTING MEASURES

Flash point	Does not flash.
Auto ignition temperature	Not applicable.
Lower explosion limit	Not applicable.
Upper explosion limit	Not applicable.
Suitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire. Keep containers and surroundings cool with water spray.
Fire and explosion hazards	Not applicable.
Special Fire-fighting Procedures	As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Keep unnecessary personnel away. Keep upwind.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.
Methods for cleaning up	Shovel into labeled waste container for reuse or disposal. Wear adequate protective equipment. Area may be washed down with water.

7. HANDLING AND STORAGE

Handling	Do not get this material in contact with eyes. Avoid contact with skin. Do not empty into drains.
Storage	Store in dry place and keep sealed until ready to use.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Calcium Oxide CaO	TWA	2 mg/m ³	
Admixtures	TWA	10 mg/m ³ SiO ₂	
Silica Amorphous	TWA	10 mg/m ³	
Polypropylene	TWA	10 mg/m ³	



US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
N/A			

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
N/A			

Engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

Eye / face protection

Do not get in eyes. Chemical goggles are recommended. Avoid contact with the skin. Wear protective gloves. Wear suitable Protective clothing as protection against splashing or contamination.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use NIOSH/MESHA respirators.

General hygiene considerations

Do not get in eyes. Avoid contact with skin.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Not available.
Physical state	Powder
Form	Viscous Powder
Color	Grey
Odor	Odorless
Odor threshold	Not available.
pH	Not available.
Vapor Pressure	Not available.
Vapor Density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Slight (0.01 - 1.0%)
Specific Gravity	Not available.
Relative density	Not available.
Flash point	Not available.
Flammability limits in air upper, % by volume	Not available.
Flammability limits in air lower, % by volume	Not available.
Auto-ignition temperature	
Other data	



10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability	Stable under normal conditions.
Conditions to avoid	Although no hazardous reactions will occur, product should be kept dry.
Incompatible materials	Not available.
Hazardous decomposition Products	None

11. TOXICOLOGICAL INFORMATION

Toxicological data	
Components	Test Results / None
Local effects	Irritating to skin. Contact may irritate or burn eyes.
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
Carcinogenicity	None

12. ECOLOGICAL INFORMATION

Toxicological data	
Components	Test Results / Not available
Ecotoxicity	Not available.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Aquatic toxicity	No data available for this product.
Persistence and Degradability	Not available.

13. DISPOSAL CONSIDERATIONS

Disposal Instructions	Dispose in sanitary landfill in accordance with federal, state, and local regulations.
Waste from residues / unused products	Not applicable unused products.

14. TRANSPORT INFORMATION

DOT	Not regulated as dangerous goods.
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15. REGULATORY INFORMATION

US federal regulations	This product is considered a non "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. CERCLA/SARA Hazardous Substances - Not applicable.
Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2)	Not regulated.
DEA Essential Chemical Code Number	Not regulated.
Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))	Not regulated.
DEA Exempt Chemical Mixtures Code Number	Not regulated.
CERCLA (Superfund) reportable qty	None



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous Chemical	No

16. OTHER INFORMATION

Further information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 2 Flammability: 0 Physical hazard: 0

NFPA ratings	Health: 2 Flammability: 0 Instability: 0
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Disclaimer	To the best of our knowledge, the information provided in this Safety Data Sheet is correct at the date of its publication. The information provided is meant only to be a guide for for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, or in any process, unless specified in the text.
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Issue date	Not available.
This data sheet contains	Product and Company Identification: Synonyms changes from the previous Physical & Chemical Properties: Multiple Properties version in section(s): Transport Information: Material Transportation Information Regulatory Information: United States.