

SAFETY DATA SHEET (SDS)

TERRALOCK® ANCHORING & SUBGRADE STABILIZATION MATRIX

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	TERRALOCK®
Product Use:	Subgrade Stabilization, Anchor Binding, and Structural Earth Retention Matrix
Manufacturer/Distributor:	GeoCHEM, Inc. Anchorage, AK / Graham, WA
Emergency Contact:	Infotrac / Corporate Office: (907) 206-6858
Website:	www.geocheminc.com

2. HAZARD(S) IDENTIFICATION

Classification:	Non-hazardous liquid polymer dispersion under normal handling and application conditions.
Signal Word:	Caution
Potential Health Effects:	• Eyes: May cause mild, transient irritation upon direct contact. Flush thoroughly with water. • Skin: Prolonged contact may cause slight skin irritation. Wash thoroughly with soap and water. • Ingestion: May cause minor gastrointestinal irritation. Do not induce vomiting without medical advice. • Inhalation: Vapors or mist from heated or atomized product may cause respiratory irritation. Ensure adequate ventilation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity:	Proprietary aqueous synthetic resin and elastomeric polymer blend.
CAS Number:	Proprietary / Trade Secret
Percentage:	100% proprietary formulation blend. Contains no hazardous components under OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST-AID MEASURES

Eyes:	Immediately flush eyes with gently flowing water for at least 15 minutes, holding eyelids open. Remove contact lenses if present. Seek medical attention if irritation persists.
Skin:	Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before reuse.
Ingestion:	Rinse mouth thoroughly with water. Drink 1–2 glasses of water. Do not induce vomiting unless directed by medical personnel. Seek medical attention if symptoms develop.

Inhalation:	Move affected individual to fresh air. If breathing is difficult, administer oxygen. Seek medical attention if respiratory discomfort continues.
--------------------	--

5. FIRE-FIGHTING MEASURES

Flash Point:	Non-combustible (aqueous system).
Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or foam appropriate for surrounding fire conditions.
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus (SCBA) and full protective gear for firefighting. Dried polymer film is combustible.
Hazardous Combustion Products:	Thermal decomposition may yield carbon monoxide, carbon dioxide, and various hydrocarbon fragments.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use appropriate personal protective equipment (PPE). Slippery when spilled; exercise caution to prevent falls.
Environmental Precautions:	Prevent entry into municipal sewers, waterways, or uncontained soil environments.
Clean-Up Procedures:	Contain spill with absorbent material (e.g., sand, earth, or commercial absorbent). Scoop up and place into suitable closed containers for disposal in accordance with local, state, and federal regulations. Flush area with water.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation during handling. Wash thoroughly after handling.
Storage:	Store in original closed containers between 40°F and 95°F (5°C to 35°C). Protect from freezing. Keep containers tightly sealed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Use general mechanical ventilation or local exhaust to maintain exposures below occupational limits.
Personal Protective Equipment (PPE):	• Eye/Face: Safety glasses with side shields or chemical splash goggles. • Skin/Body: Impervious chemical-resistant gloves (neoprene, nitrile, or rubber) and long-sleeved work clothing. • Respiratory: Not required under normal operational use with adequate ventilation. Use a NIOSH-approved respirator if mist or aerosol is generated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white to amber liquid emulsion
Odor:	Mild characteristic polymer odor

pH:	6.0 – 8.0
Boiling Point:	Approx. 212°F (100°C)
Freezing Point:	Approx. 32°F (0°C)
Specific Gravity:	1.02 – 1.06
Solubility:	Dilutable in water

10. STABILITY AND REACTIVITY

Stability:	Stable under normal storage and handling conditions.
Reactivity / Incompatibility:	Avoid strong oxidizing agents, strong acids, or strong alkalis.
Hazardous Polymerization:	Will not occur.
Decomposition Products:	Thermal decomposition products as noted in Section 5.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Low systemic toxicity based on component data.
Carcinogenicity:	Not listed as a carcinogen by IARC, NTP, or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Low acute toxicity to aquatic life when diluted and applied as directed. Prevent uncontained bulk release into waterways.
Persistence & Degradability:	The polymeric components cure to form a chemically stable, inert soil-binding matrix.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Dispose of in accordance with local, state, regional, and national environmental regulations. Do not discharge untreated bulk waste into natural waterways or municipal sewer systems.
-------------------------------	--

14. TRANSPORT INFORMATION

DOT Classification:	Not regulated as a hazardous material for transport by the U.S. Department of Transportation (DOT).
Proper Shipping Name:	Non-regulated liquid polymer mixture.
Packing Group:	N/A

15. REGULATORY INFORMATION

TSCA Inventory:	All components are listed or exempt from listing on the TSCA chemical inventory.
SARA Title III:	Contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act.

16. OTHER INFORMATION

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release.