

**RENWEWRAP® STRAND SHEET ADHESIVE FB-E7S
PART B****Section 1. Product and Company Identification**

Product Name: RenewWrap® Strand Sheet Adhesive FB-E7S Part B
Supplier: GeoTree Solutions | 1733 Majestic Rd, Suite 101, Lafayette, CO 80026 | +1 855.655.6750
Emergency Phone Number: 800.424.9300 (CHEMTREC)
+1 703.741.5970 (Outside the US)
Product Description: Steel and Concrete Repair Adhesive Hardener
Product Use: Repairs
Chemical Name or Synonym: N/A

Section 2. Hazards Identification**Classification of the substance or mixture**

Acute toxicity / oral – Category 4
Acute toxicity / dermal – Category 3
Skin corrosion / irritation – Category 1B
Acute toxicity – Category 2
Eye damage/irritation – Category 1
Sensitization/skin – Category 1
Acute toxicity / inhalation – Category 3
Aquatic chronic – Category 2

Label Elements:**Hazard Statements:**

H302 Harmful if swallowed
H311 Toxic in contact with skin
H314 Causes severe skin burns and eye damage.
H330 Fatal if inhaled
H318 Causes serious eye damage
H317 May cause an allergic skin reaction
H331 Toxic if inhaled
H411 Toxic to aquatic life with long lasting effects.

Signal Word: DANGER**Precautionary Statements:**

P301+P312 IF SWALLOWED: Call a Poison Center / doctor if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED Remove person to fresh air and keep comfortable for breathing.
P302+P352 IF ON SKIN: Wash with plenty water.

**RENWEWRAP® STRAND SHEET ADHESIVE FB-E7S
PART B**

P333+P313 If skin irritation or rash occurs: Get medical advice/attention

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313: If exposed or concerned: Get medical advice/attention.

Section 3. Composition/ Information on Ingredients

Chemical Name	CAS-No	Weight %
2,2'-[oxybis(methylene)]bisoxirane	2238-07-5	30 – 40
Trimethylolpropane tris [poly(propylene glycol), amine terminated] ether	39423-51-3	30 – 40
M-Xylylenediamine	1477-55-0	1 – 2
Crystalline Silica	67762-90-7	5 – 15

Section 4. First Aid Measures**First Aid Measures for Accidental:**

Inhalation: If breathing is difficult, give oxygen. Get medical attention if any discomfort continues.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Get medical attention if any discomfort continues.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes and seek medical attention.

Skin contact: Wash the skin immediately with soap and water. Take off immediately all contaminated clothing. If skin irritation or an allergic skin reaction develops, get medical attention.

Most important symptoms/effects, acute and delayed:

Inhalation: Dust irritates the respiratory system and may cause coughing and difficulties in breathing.

Eye contact: Dust may be irritating to the eyes and respiratory tract and may cause a low-level inflammatory response in the lungs. Not known to cause permanent injury to eye tissue.

Skin Contact: Severely irritating to skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

Ingestion: Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Water fog. Alcohol resistant foam. Dry chemical. Carbon dioxide or dry powder.

Unsuitable Extinguishing Media: No data available

Special Fire Fighting Procedures: Wear complete firefighting gear and self-contained breathing apparatus to protect against potential harmful and/or irritating fumes. Use water to keep fire exposed containers cool. Do not use high volume water jet on the fire as this may spread the area of the fire.

Special Protective Equipment for Fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Specific Hazards Arising from the substance or mixture: No data available

**RENWEWRAP® STRAND SHEET ADHESIVE FB-E7S
PART B****Section 6. Accidental Release Measures**

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate personal protective equipment. The risk of inhalation of dust must be minimized as much as possible.

Environmental Precautions: Material should not be released into the environment. Prevent product from entering drains.

Methods and Materials for Containment and Cleaning Up: Dam and absorb spillages with sand, earth or other non-combustible material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labeled container. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

Section 7. Handling and Storage

Precautions for safe handling: No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. Wash promptly with soap and water if skin becomes contaminated. Practice good housekeeping. Avoid conditions which create dust.

Conditions for safe storage including any incompatibilities: Keep containers tightly closed. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Section 8. Exposure Controls / Personal Protection

Control Parameters (Exposure Limits): No Data Available

Appropriate Engineering Control: Ventilation must be adequate for most operations. Protection against nuisance dust must be used when the general level exceeds 10 mg/m³.

Personal Protective Equipment:

Respiratory Protection: Use a NIOSH approved organic vapor cartridge respirator. Self-contained breathing apparatus should also be available in case of emergency. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Eye / Face Protection: Wear safety glasses with side shields or chemical splash goggles when exposure is more likely.

Skin Protection: Wear suitable protective clothing as protection against splashing or contamination. Wash promptly with soap and water if skin becomes contaminated. Protective gloves should be used if there is a risk of direct contact or splash. Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. Wear rubber boots. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9. Physical and Chemical Properties



SAFETY DATA SHEET

RENWEWRAP® STRAND SHEET ADHESIVE FB-E7S PART B

Physical State:	Liquid Paste
Colour:	Blue
Odor:	Ammonia Odor
Melting Point/ Freezing Point:	No data available
Boiling point:	No data available
Flammability (solid, gas):	No data available
Lower and Upper Explosion limits/ Flammability Limits:	No data available
Flash Point:	189°C
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
pH:	No data available
Kinematic Viscosity:	No data available
Evaporation rate (ether=1):	No data available
Flammability Limits in Air:	No data available
Solubility:	Not soluble in water,
Solubility in other solvents:	Soluble in Acetone other organics
Partition coefficient (n-octanol/water):	No data available
Vapour Pressure:	No data available
Density and/or Relative Density:	No data available
Relative Vapour Density:	No data available
Specific Gravity:	1.1
Particle Characteristics:	No data available

Section 10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous reactions: Reacts with amines, acids and strong oxidizing agents and epoxy agents.

Conditions to Avoid: Excess heat and exotherms when mixed with large amount of FB-E7S Part A, do not mix with other epoxy resin but the designated resin and in designated amounts.

Incompatible Materials / Chemicals: Strong oxidants, acids, amines.

Hazardous Decomposition Products: Ammonia gas may be generated during thermal decomposition.

Section 11. Toxicological Information

Information in the likely route of exposure:

Potential Acute Health Effects:

Skin contact: Toxic in contact with skin.

Symptoms related to the physical, chemical and toxicological characteristics:

Target organs: No data available

Mutagenicity: No data available

Carcinogenicity: No data available

Reproductive Toxicity: No data available

Tetratogenicity: No data available

Specific Target Organ Toxicity - single exposure (STOT-se): No data available



**RENWEWRAP® STRAND SHEET ADHESIVE FB-E7S
PART B**

Specific Target Organ Toxicity - repeated exposure (STOT-re): No data available

Over-exposure signs / symptoms: No data available

Delayed and immediate effects and also chronic effects from short and long-term exposure:

Short term exposure: No data available.

Long term exposure: No data available

Numerical measures of toxicity: No data available

Section 12. Ecological Information

Ecotoxicity: No determined

Persistence and degradability: No determined

Bioaccumulative potential: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Mobility in soil: No determined

Other adverse effects: No determined

Section 13. Disposal Considerations

Waste treatment methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Uncleaned packaging: Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur. Dispose of container and unused contents in accordance with federal, state, and local regulations.

Section 14. Transport Information

US DOT

Proper Shipping Name: Corrosive liquid, toxic, n.o.s.

UN number: UN2922

Hazard Class: 8

Packing Group: PG III

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US. TSCA: On TSCA Inventory

DSL: This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.

AICS: Not in compliance with the inventory

NZIoC: Not in compliance with the inventory

ENCS: On the inventory, or in compliance with the inventory

KECI: Not in compliance with the inventory

PICCS: Not in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory



SAFETY DATA SHEET

RENWEWRAP® STRAND SHEET ADHESIVE FB-E7S PART B

Section 16. Other Information

Key Legend Information:

CAS – Chemical Abstracts Service

OSHA – Occupational Safety and Health Administration

NIOSH – National Institute for Occupational Safety and Health

The information contained herein is based on the data available to us and is believed to be accurate. The data is offered in good faith as typical values and not as product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. Spartan Acquisition, LLC (D/B/A GeoTree Solutions) makes no warranty either expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The recommended industrial hygiene and safe handling procedures are believed to be genuinely applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. Spartan Acquisition, LLC (D/B/A GeoTree Solutions) assumes no responsibility for injury from the use of the product described herein. The information is intended only to assist in the safe handling of this material. Spartan Acquisition, LLC (D/B/A GeoTree Solutions) DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR FREEDOM FROM PATENT INFRINGEMENT. Spartan Acquisition, LLC (D/B/A GeoTree Solutions) WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Date of issue: 01.05.2020

Revision date: 01.05.2020

Supersedes: 1.0

Version: 2.0