



Safety Data Sheet

Date Revised: 8/3/2015

Supersedes:

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Five Star® Elastomeric Grout/Component A

Synonyms: Not available

Product Use: Binder for light rail, elastomeric grouting, vibration dampening.

Restrictions on Use: To be used with Elastomeric Grout/Component B

Manufacturer/Supplier: Five Star Products, Inc.
60 Parrott Drive
Shelton, CT 06484 USA

Phone #: 203-336-7900

Emergency Phone #: **CHEM-TEL 1-800-255-3924**
(Outside the U.S. 1-813-248-0585)

SECTION 2: HAZARD(S) IDENTIFICATION-GHS INFORMATION

Classification: Acute toxicity(inhalation), Category 4
Respiratory Sensitizer, Category 1

Label Elements/Hazard Pictograms:



Signal Word: Danger

Hazard Statements: Harmful if inhaled, H332.
May cause allergy or asthma symptoms or breathing difficulties if inhaled, H334.

Precautionary Statements/Prevention: Do not breathe dust, fume, gas, mist, vapors, or spray, P260.
Wash thoroughly after handling, P264.
Do not eat, drink or smoke when using this product, P270.
Contaminated work clothing should not be allowed out of the workplace, P272.
Wear protective gloves, protective clothing, eye protection and face protection, P280.
[In case of inadequate ventilation] wear respiratory protection, P284.

Response: If swallowed: Rinse mouth. Do NOT induce vomiting, P330, P331.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower, P361, P353.
If inhaled: Remove person to fresh air and keep comfortable for breathing, P340.
If in eyes: Rinse cautiously with water for several minutes, P351. Remove contact lenses, if present and easy to do. Continue rinsing, P338.



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Immediately call a poison center or doctor, P310.
If skin irritation or rash occurs, P333: Get medical advice/attention, P313.
If experiencing respiratory symptoms, P342: Call a poison center or doctor, P310. Wash contaminated clothing before reuse, P363.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with applicable regional, national, and local laws and regulations.

Hazards Not Otherwise Classified: Not applicable

Ingredients with Unknown Toxicity: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	Common Name/Synonyms	CAS No.	% wt/wt
Polyurethane prepolymer	Not available	TS	> 99.9

SECTION 4: FIRST AID MEASURES

Inhalation: If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms call poison center or doctor.

Eye Contact: If in eyes: Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

Skin Contact: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Immediately call a poison center or doctor if irritation develops. Wash contaminated clothing before reuse.

Ingestion: If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Note to Physicians: Symptoms may not appear immediately.



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SECTION 5: FIRE-FIGHTING MEASURES

Flammability and Explosion Information:

Not flammable or combustible by OSHA/WHMIS criteria.

Sensitivity to Mechanical Impact:

Not available

MEANS OF EXTINCTION

Suitable Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media:

Not available.

Protection of Firefighters:

Wear self-contained breathing apparatus for fire-fighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel. Eliminate all ignition sources.

Personal Precautions:

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. When respirators are required, select NIOSH/OSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for Containment/Cleanup:

Prepare a decontamination solution of 1-5% liquid detergent and 5% concentrated ammonium hydroxide in water. Treat spill area with decontamination solution, using about 10 parts solution to 1 part spill and allow to react 10 minutes for small spills and up to 48 hours for larger spills. Carbon dioxide will evolve leaving insoluble and inert polyuria. Dispose of residue in appropriate waste container.

Other Information:

See Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

Handling:

Do not swallow. Do not breathe mist, vapors, or spray. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Contaminated work clothing should not be allowed out of workplace. See Section 8 for information on Personal Protective Equipment.

Storage:

Store locked up. Store away from incompatible materials. See Section 10 for information on incompatible materials. Keep out of reach of children.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	CAS No.	ACGIH	OSHA
Polyurethane prepolymer	TS	No TLV established.	No PEL established.

PEL: Permissible Exposure Limit TLV: Threshold Limit Value

Engineering Controls: Not normally required.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye Protection: Safety glasses. Use equipment for eye protection that meets the standards referenced for OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Respiratory Protection: Not required for properly ventilated areas.

Hand Protection: Wear protective gloves. Rubber or polyethylene material is recommended. Consult manufacturer specifications for further information.

Skin and Body Protection: Wear protective clothing. Clothing with full length sleeves and pants should be worn.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices. Provide readily accessible eye wash stations and safety showers. Wash at end of shift and before eating, smoking, or using the toilet. Remove contaminated clothing and launder or discard.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Honey colored, clear liquid
Color:	Straw yellow
Odor:	Semi Sweet
Odor Threshold:	Not available
Physical State:	liquid
pH:	Not Applicable
Melting Point / Freezing Point:	Not available
Initial Boiling Point:	Not available
Boiling Point:	> 250°C (482°F)
Flash Point:	> 160°C (320°F)
Evaporation Rate:	Not Applicable
Flammability (solid, gas):	Not Available



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Lower Flammability Limit:	Not Available
Upper Flammability Limit:	Not Available
Vapor Pressure:	< 1.00 mm Hg
Vapor Density:	1 (Air = 1)
Relative Density:	1.05
Solubility:	Insoluble
Partition Coefficient: n-Octanol/Water:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity:	4000 cps
Percent Volatile, wt. %:	0%
VOC Content, wt. %:	0%
Density:	1.05
Coefficient of Water/Oil Distribution:	Not available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous decomposition products may include CO, CO ₂ , smoke, toxic vapors.
Conditions to Avoid:	Water, hydroxyl compounds, or excessive heat under uncontrolled conditions may result in sufficient pressure to burst containers.
Incompatible Materials:	Oxidizing agents, alcohols

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Primary Irritant Effect On the Skin:

Mild irritant to skin and mucous membranes.

Primary Irritant Effect On the Eye:

Mild irritating effect.

Sensitization:

Sensitizing effect through inhalation is possible by prolonged exposure.

Additional Toxicological Information:

LC50(4hr): > 99 mg/l inhalation, Rat

Sensitization:

Sensitization possible by inhalation.

Repeated Dose Toxicity:

Repeated exposures may result in respiratory sensitivity.



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SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic Toxicity: Not available.

Persistence and Degradability: Not available.

Bio-accumulative Potential: Not available.

Mobility in Soil: Not available.

Ecotoxicological Effects Remark: Not available.

Additional Ecological Info.

General Notes: Not available.

PBT Assessment: Not available.

vPvB Assessment: Not available.

Other Adverse Effects: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Hardened material is considered general construction waste.

Uncleaned Packaging Recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

US DEPARTMENT of

TRANSPORTATION (DOT)

Proper Shipping Name: Not regulated

Class: None

UN #: None

Packing Group: None

CANADA Transportation of

Dangerous Goods (TDG)

Proper Shipping Name: Not regulated

Class: None

UN #: None

Packing Group: None

INTERNATIONAL AIR

TRANSPORTATION Proper

Shipping Name (ICAO/IATA): Not regulated



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Class: None
UN #: None
Packing Group: None
WATER TRANSPORTATION
Proper Shipping Name (IMO/IMDG): Not regulated
Class: None
UN #: None
Packing Group: None
Marine Pollutant: None

SECTION 15: REGULATORY INFORMATION

CHEMICAL INVENTORIES

US (TSCA): Included on Inventory.
CANADA (DSL): Included on Inventory.

FEDERAL REGULATIONS

CANADA: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification: Class D2A - Respiratory sensitization

UNITED STATES: This SDS had been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200

SARA Title III: There are no SARA Hazards per Section 312(40 CFR 370) and no components above 'de minimus' level per Section 313 (40 CFR 372).

STATE REGULATIONS

Massachusetts US Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Component:	CAS No.	RTK List:
None	n/a	n/a

New Jersey US New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Component:	CAS No.	RTK List:
None	n/a	n/a

Pennsylvania US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Component	CAS No.	RTK List:
None	n/a	n/a



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**California
California Prop 65:**

This product does not contain chemicals known to be Carcinogenic at a level > 0.1% and reportable per 40 CFR Part 721.

SECTION 16: OTHER INFORMATION

HMIS Rating:

Health	Flammability	Physical Hazard	Personal Protection
1	1	1	B

Disclaimer:

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