

MATERIAL SAFETY DATA SHEET

FIVE STAR PRODUCTS, INC.

750 Commerce Drive

Fairfield, CT 06825

203-336-7900

Issue Date: 1/3/12

Supersedes: 11/9/10



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**FOR CHEMICAL
EMERGENCY**
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SECTION I - Product Identification: FIVE STAR® RS ANCHOR GEL

SECTION II - Hazardous Ingredients/Identify Information

PRODUCT CLASS: Epoxy

FORMULATION IDENTIFICATION: Adhesive

Hazardous Components: Specific Chemical Identity:

| <u>COMPONENT A:</u> | <u>C.A.S. No.:</u> | <u>OSHA PEL:</u> | <u>ACGIH TLV:</u> | <u>Approx. %:</u> |
|---------------------------------------|--------------------|---------------------|----------------------|-------------------|
| Modified Bisphenol A/ | | | | |
| Epiclorohydrin Base Epoxy Resin | 25068-38-6 | NE | NA | >85% |
| Talc | 14807-96-6 | 5 mg/m ³ | 5 mg/m ³ | < 8% |
| Coated Precipitated Calcium Carbonate | 1317-65-3 | 5 mg/m ³ | 10 mg/m ³ | < 8% |
| Titanium Dioxide | 1317-80-2 | 5 mg/m ³ | 10 mg/m ³ | < 2% |

COMPONENT B:

Trade Secret Amine Blend containing one or more of the following:

| | | | | |
|---------------------------------------|-----------|----------------------|---------------------|------|
| | 694-83-7 | NE | NE | <50% |
| | 143-23-7 | NE | NE | |
| | 140-31-8 | NE | NE | |
| | 111-41-7 | NE | NE | |
| | CAS# NE | NE | NE | |
| 2,4,6- Tri(dimethylaminomethyl)phenol | 90-72-2 | 10mg/m ³ | 5mg/m ³ | <5% |
| Calcium Carbonate | 471-34-1 | NE | NE | >50% |
| Coated Precipitated Calcium Carbonate | 1317-65-3 | 10 mg/m ³ | 5 mg/m ³ | <5% |

None of the remaining components are considered a Hazardous Material or carcinogen (1910.1200 Hazard Communication (d) 4).

NA: Not available. NE: Not established.

TRANSPORTATION INFORMATION: DOT Classification: Amines, Liquid, Corrosive, n.o.s. (aminopropyldiethanolamine);

UN 2735, Hazard Class 8, Packing Group III

SECTION III: - Physical/Chemical Characteristics

| | | | |
|----------------------------------------|------------------------------------------------------|---------|-----------------------------------|
| <u>Boiling Point</u> (°F): N/E | <u>Specific Gravity</u> (H ₂ O = 1): | A: 1.20 | B: 1.64 |
| <u>Vapor Pressure</u> (mm Hg.): N/E | <u>Melting Point</u> (°F): N/E | | |
| <u>Vapor Density</u> : (AIR = 1): >1 | <u>Evaporation Rate</u> : (Ether = 1) | >1 | |
| <u>Solubility in Water</u> : Insoluble | <u>Appearance and Odor</u> : A: White gel, mild odor | | B: Grey gel, characteristic odor. |

SECTION IV - Fire and Explosion Hazard Data

Flash Point: >200° F. Flammable Limits: LEL: N/A. UEL: N/A. Extinguishing Media: Foam, CO₂, Water Fog.

Special Fire Fighting Procedures: None. Unusual Fire and Explosion Hazards: None. Avoid breathing smoke.

SECTION V - Reactivity Data

Stability: Unstable: () Stable: (X)

Conditions to Avoid: None. Incompatibility (Materials to Avoid): Strong oxidizers, strong bases.

Hazardous Decomposition or Byproducts: CO, CO₂, NOX. Hazardous Polymerization: None

Conditions to Avoid: Fires when curing.

SECTION VI - Health Hazard Data

Carcinogenicity: No. NTP? No. IARC? No. OSHA Regulated? No.

Effects and Hazards of Overexposure (Acute and Chronic): Eyes: May produce irritation, sensitization. Skin: May produce irritation, sensitization. Inhalation (breathing): May produce irritation, sensitization. Ingestion (swallowing): May produce irritation, sensitization.

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EMERGENCY AND FIRST AID PROCEDURES:

Remove any contaminated clothing.
Eyes: Flush immediately with large amounts of water for at least 15 minutes; contact physician immediately. Skin: Remove epoxy from skin immediately with a dry cloth or paper towel. Wash area of contact thoroughly with soap and water. SOLVENTS SHOULD NOT BE USED because they carry the irritant into the skin. Inhalation: If respiratory irritation occurs, go to fresh air. Flood work area with fresh air and if irritation continues, seek medical attention. Ingestion: Not expected. Contact medical help immediately. Untrained first aid personnel should not attempt to administer first aid. Contaminated clothing should be washed prior to re-use.

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SECTION VII - Spill or Leak Procedures

Steps To Be Taken in Case Material is Leaked or Spilled: Bind with absorbent material. Waste Disposal Method: Small Spill: Per local, state and federal regulations.

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SECTION VIII - Safe Handling and Use Information

Respiratory Protection: Respiratory protection is required when ventilation is inadequate. NIOSH/MSHA approved respirators should be provided and worn. All workers required to use respiratory protection should be trained in their proper selection, use and care. A written respirator program is outlined in 29 CFR 1910.134, and is required by OSHA. Ventilation (Local Exhaust): Recommended. Mechanical (General): Recommended. Special: Recommended; when local and mechanical ventilation is not adequate. Other: N/E. Protective Gloves: Recommended. Eye Protection: Recommended. Other Protective Equipment: Recommended; splash bib with protective clothing. Work/Hygienic Practices: Remove and wash contaminated clothing. As with all commercial and industrial products, always wash hands before eating or smoking.

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SECTION IX- Special Precautions

Precautions to be taken in handling: Store in a cool, dry location. Do not allow the material to freeze, as product may be damaged. Store away from sparks and open flame.
Other precautions: None.

N/A: Not available. N/E: Not established.