

MATERIAL SAFETY DATA SHEET

FIVE STAR PRODUCTS, INC.

750 Commerce Drive
Fairfield, CT 06825
203-336-7900



EMERGENCY TELEPHONE NO. 1-(800) 255-3924

Issue Date: 6/3/08

Supersedes: 7/2/04

**FOR CHEMICAL
EMERGENCY**
Call Chem-Tel
1-800-255-3924
24 hrs./7days per week

SECTION I - Product Identification: FIVE STAR® LV ADHESIVE

SECTION II - Hazardous Ingredients/Identify Information

PRODUCT CLASS: Epoxy

FORMULATION IDENTIFICATION: Adhesive

<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	>75%
Aliphatic Glycidyl Ether	2461-15-6	NE	NE	<25%

COMPONENT B:

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

	<u>C.A.S. No.:</u>	<u>Approx. %</u>
	84852-15-3	
	140-31-8	>85%
	<u>9046-10-0</u>	
	64742-94-5	<10%
2,4,6 Tri(dimethylaminomethyl)phenol	90-72-2	<8%

None of the remaining components are considered a hazardous material or carcinogen (1910.1200 Hazard Communication (d) 4)

TRANSPORTATION INFORMATION:

DOT Classification: Amines, Liquid, Corrosive, n.o.s. (aminopropyl-diethanolamine); UN2735, 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: 1.095	B: 0.970
<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: Yellow liquid, mild odor. B: Amber liquid, strong 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: Unrelated 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.

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. 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.

"This information is furnished without warranty of any kind, expressed or implied. Five Star Products, Inc. bases the information and recommendations in this document on data believed to be current and accurate."

Five Star LV Adhesive - pg. 2 of 2

Issue Date: 5/30/03 Supercedes: 4/5/01

=====

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.

=====

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.

=====

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.

"This information is furnished without warranty of any kind, expressed or implied. Five Star Products, Inc. bases the information and recommendations in this document on data believed to be current and accurate."