

Hi-Tech 500 LV

Material Safety Data Sheet

IDENTITY

As used on label and list: HI TECH 500 LV

SECTION I

Manufacturers Name: Hi-Tech Epoxy Systems Emergency Contact: (800) 454-5530
9070 Center Avenue Date Prepared: 12/05/05
Rancho Cucamonga, CA 91730

Prepared by: Technical Services

SECTION II – Hazardous Ingredients/Identity Information:

Product Class: Epoxy
Formulation Identification: Adhesive

HAZARDOUS COMPONENTS: Specific Chemical Identity: Common Name(s)
Chemical Name: OSHA PEL: ACGIH TLV: Approx. %

COMPONENT A:

Modified Bisphenol A/DEpiclorohydrin
Base Epoxy Resin
CAS #25068-38-6 NE NA >90%
Aliphatic Glycidyl Ether
CAS #2461-15-6 NE NE <10%

COMPONENT B:

Trade secret Amine Blend containing one or more of the following:
CAS #694-83-7 NE NE >90%
CAS #143-23-7 NE NE
CAS #124-09-4 NE NE
2,4,6 – Tri(dimethylaminomethyl)phenol
CAS #90-72-2 10 mg/m³ 5 mg/m³ <5%

NE: not established NA: not applicable

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. (aminopropylidethanolamine)
UN2735, Hazard Class 8, PG III

SECTION III – Physical/Chemical Characteristics:

Boiling Point: N/E Specific Gravity A: 1.135
 B: 0.995
Vapor Pressure (mm Hg): N/E Melting Point N/E
Vapor Density (Air = 1): >1 Evaporation Rate (Ether = 1) >1
Solubility in Water: Insoluble
Appearance and Odor: A: Yellow Liquid, mild odor B: Amber Liquid, strong odor.

SECTION IV – Fire and Explosion Hazard Data:

Flash Point (Method Used): >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.

HI-TECH EPOXY SYSTEMS
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SECTION V – Reactivity Data:

Stability:	Stable	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: May produce irritation, sensitization.

(breathing)

Ingestion: May produce irritation, sensitization.

(swallowing)

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.

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

Ventilation (Mechanical-General): Recommended

Ventilation (Special): Recommended; when local and mechanical ventilation is not adequate.

Ventilation (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

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