

Hi-Tech Structural Gel Fast Material Safety Data Sheet

IDENTITY

As used on label and list: HI TECH STRUCTURAL GEL FAST

SECTION I

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

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 | >80% |
| Talc | | | |
| CAS #14807-96-6 | 5 mg/m ³ | 5 mg/m ³ | <10% |
| Coated Precipitated Calcium Carbonate | | | |
| CAS #1317-65-3 | 5 mg/m ³ | 10 mg/m ³ | <10% |
| Zinc Oxide | | | |
| CAS #1314-13-2 | 5 mg/m ³ | 5 mg/m ³ | <10% |

COMPONENT B:

| | | | |
|---|----------------------|---------------------|------|
| Trade secret Amine Blend containing one or more of the following: | | | |
| CAS #694-83-7 | NE | NE | <50% |
| CAS #143-23-7 | NE | NE | |
| CAS #140-31-8 | NE | NE | |
| CAS #100-51-6 | NE | NE | |
| 2,4,6 – Tri(dimethylaminomethyl)phenol | | | |
| CAS #90-72-2 | 10 mg/m ³ | 5 mg/m ³ | <5% |
| Talc | | | |
| CAS #14807-96-6 | 5 mg/m ³ | 5 mg/m ³ | <20% |
| Coated Precipitated Calcium Carbonate | | | |
| CAS #1317-65-3 | 10 mg/m ³ | 5 mg/m ³ | >20% |

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

Hi-Tech Structural Gel Fast Material Safety Data Sheet

SECTION III – Physical/Chemical Characteristics:

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|---------------------------|-------------------------|--|--------------------|
| Boiling Point: Degrees F. | N/E | Specific Gravity (H ² O = 1): | A: 1.13 B: 1.64 |
| 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: White gel, mild odor | B: Gray gel, characteristic odor | |

SECTION IV – Fire and Explosion Hazard Data:

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|-------------------------------------|-----------------------------------|----------|--|
| Flash Point (Method Used): | >200°F | | |
| Flammable Limits: | LEL: N/A | UEL: N/A | |
| Extinguishing Media: | Foam, CO ₂ , Water Fog | | |
| Special Fire Fighting Procedures: | None | | |
| Unusual Fire and Explosion Hazards: | None. Avoid breathing smoke. | | |

SECTION V – Reactivity Data:

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| Stability: | Stable | Conditions to avoid: | None |
| Incompatibility (Materials to avoid): | Strong Oxidizers, Strong bases | | |
| Hazardous Decomposition or Byproducts: | CO, CO ₂ , NOS | | |
| 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.

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|-------------|---|
| 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:

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| 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. |

Hi-Tech Structural Gel Fast Material Safety Data Sheet

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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