

Hi-Tech Fluid MV

Material Safety Data Sheet

IDENTITY

As used on label and list: HI TECH FLUID MV

SECTION I

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

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	>75%
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	<70%
CAS #143-23-7	NE	NE	
CAS #140-31-8	NE	NE	
CAS #100-51-6	NE	NE	
CAS #NE	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	<10%

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. (aminopropylidiethanolamine)
 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: White Viscous Liquid	B:	Gray Pasty Liquid, characteristic odor.

HI-TECH EPOXY SYSTEMS
 9070 Center Avenue
 Rancho Cucamonga, CA. 91730
 (800) 454-5530

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.

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: 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: 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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