

## MATERIAL SAFETY DATA SHEET (MSDS)

FIRST ISSUE DATE: 11 August, 2000

### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **5/20 Epoxy Putty Stick**

MFR'S NAME: Air Logistics Corporation, 925 North Todd Avenue, Azusa CA 91702

EMERGENCY PHONE: 800-424-9300 (CHEMTREC) GENERAL INFORMATION: 626-633-0294

### Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS #	EXPOSURE LIMITS
Glycidyl ethers of bisphenol A resins	10-30	25068-38-6	Oral; LD50 5000 mg/Kg Skin; LD50 20000 mg/Kg
Tri(dimethylaminomethyl)phenol	0.5-1.5	90-72-2	Oral; LD50 1630 mg/Kg
Zinc Sulfide	0.5-1.5	1314-98-3	

### Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Some rare individuals or persons pre-sensitized to epoxy may show signs of skin or respiratory irritation by contact with this product. As with any "chemical", good personal hygiene practices should be used.

POTENTIAL HEALTH EFFECTS:

EYE:

- Possible irritant and sensitizer.

SKIN:

- Possible irritant and sensitizer.

INGESTION:

- May cause irritation of intestinal tract.

INHALATION:

- None known.

CHRONIC EFFECTS:

- None known.

SIGNS & SYMPTOMS:

- None probable.

### Section 4: FIRST AID MEASURES

⇒USE APPROPRIATE BLOOD-BORNE PATHOGENS PROTECTIONS⇐

EYE:

- Use eyewash or running clear water for at least 15 minutes to flush away particles. Seek medical advice.

SKIN:

- Wash thoroughly with soap and water.

INGESTION:

- Calm victim. Seek medical advice.

INHALATION:

- If there is a breathing problem, remove victim to fresh air, calm victim, provide breathing support. Seek medical attention if necessary.

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## Section 5: FIRE FIGHTING MEASURES

FLASH POINT: N/A                      UEL/LEL: N/A                      VAPOR DENSITY: Non-volatile  
UNUSUAL HAZARDS: Aldehydes, acids, and oxides of carbon, nitrogen and sulfur.  
SPECIAL HAZARDS: Burning may cause extra health and safety risks.  
EXTINGUISHING MEDIA: Use foam, CO<sub>2</sub>, dry chemical, water fog.  
FIRE FIGHTER INSTRUCTIONS: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

## Section 6: ACCIDENTAL RELEASE MEASURES

Pick up. If dirty, knead, cure and dispose of properly. Not a hazardous waste.

## Section 7: HANDLING AND STORAGE

STORAGE TEMPERATURE: <90° F  
STORAGE CONDITIONS: Store in a cool, dry, well-ventilated area.  
TRANSFER: No special precautions are needed. Follow good manufacturing and handling practices.  
PERSONAL HYGIENE: Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom facilities. Wash contaminated goggles, face shield, and gloves. Professionally launder contaminated clothing before re-use.  
EMPTY CONTAINER PRECAUTIONS: The container can be hazardous when empty. Follow label cautions even after the container is empty since empty containers could retain product residues. Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

## Section 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

GENERAL: Practice good personal hygiene.  
EYE/FACE: Wear safety glasses.  
SKIN: Tight fitting vinyl gloves may be preferred to avoid smearing curing product on hands.  
RESPIRATORY: Provide ventilation if sanding or abrading.  
VENTILATION: Only if heated above 100° F.  
OTHER: Wash after using.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: putty-like gray "stick"      ODOR: sulfur/mercaptan      PHYSICAL STATE: semi-solid  
pH: n.d.a.      VAPOR PRESS: n.d.a.      VAPOR DENSITY: non-volatile      SPECIFIC GRAVITY: 1.9  
MELT PT: N/A      SOLUBILITY IN H<sub>2</sub>O: insoluble      VOC: <1%

## Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Material is stable with no known conditions to avoid.  
INCOMPATIBILITY: None known.  
HAZARDOUS POLYMERIZATION: Will not occur.  
HAZARDOUS DECOMPOSITION: Aldehydes, acids and oxides of carbon, nitrogen and sulfur.

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### Section 11: TOXICOLOGICAL INFORMATION

n.d.a.

### Section 12: ECOLOGICAL INFORMATION

n.d.a.

### Section 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable laws and regulations.

### Section 14: TRANSPORT INFORMATION

DOT: Not Regulated  
IATA: Not Regulated

### Section 15: REGULATORY INFORMATION

OSHA HCS: not listed                      TSCA: listed  
SARA 313: Chemical Name: Zinc Sulfide; CAS: 1314-98-3; Weight Percent: 0.5-1.5

RIGHT-TO-KNOW: The non-hazardous ingredients in this product subject to the Pennsylvania, New Jersey, and/or Massachusetts Right-to-Know laws are:

<b>CAS</b>	<b>CHEMICAL NAME</b>
14807-96-6	Magnesium silicate hydrate
Trade Secret	Polyether polymercaptan
65997-17-3	Sodium calcium magnesium silicate

### Section 16: OTHER INFORMATION

NFPA: This product is not rated by NFPA. Following are Air Logistics interpolations of ratings.

HEALTH 1              FIRE 1              REACTIVITY 0              OTHER

ABBREVIATIONS: N/A = not applicable; N.D.A. = no data available; N.E. = not established

END OF MSDS

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