

## MATERIAL SAFETY DATA SHEET (MSDS)

FIRST ISSUE DATE: 06 June 2001

### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **5/20 UW 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	7-13	25068-38-6	Oral: LD50 5000 mb/Kg Skin: LD50 20000 mg/Kg
Epoxy Novalac Resin	3-7	028064-14-4	Oral: LD50 5000 mg/Kg Skin: LD50 20000 mg/Kg
Polymeric phenolic amine	1-5	32610-77-8	

### 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:

- Flush with water for at least 15 minutes to wash 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.

ATTENTION: No representation is made as to the accuracy or correctness of the information contained herein, other than to state that it is presented by this organization in good faith and we believe it to be correct and accurate per the limits of our understanding and training as of the date of first publication. The user or handler of this product is warned to take the most conservative and safest interpretation possible of all information contained herein and to use the most extreme personal protection measures and exposure limitations prudently dictated by the specific usage or handling situation, this MSDS information and good industrial safety and hygiene practices.

## 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 green "stick"      ODOR: amine, fishy                      PHYSICAL STATE: semi-solid  
pH: n.d.a.    VAPOR PRESS: n.d.a.      VAPOR DENSITY: non-volatile  
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

---

ATTENTION: No representation is made as to the accuracy or correctness of the information contained herein, other than to state that it is presented by this organization in good faith and we believe it to be correct and accurate per the limits of our understanding and training as of the date of first publication. The user or handler of this product is warned to take the most conservative and safest interpretation possible of all information contained herein and to use the most extreme personal protection measures and exposure limitations prudently dictated by the specific usage or handling situation, this MSDS information and good industrial safety and hygiene practices.

### 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: 3-7

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

---

ATTENTION: No representation is made as to the accuracy or correctness of the information contained herein, other than to state that it is presented by this organization in good faith and we believe it to be correct and accurate per the limits of our understanding and training as of the date of first publication. The user or handler of this product is warned to take the most conservative and safest interpretation possible of all information contained herein and to use the most extreme personal protection measures and exposure limitations prudently dictated by the specific usage or handling situation, this MSDS information and good industrial safety and hygiene practices.