

## MATERIAL SAFETY DATA SHEET (MSDS)

FIRST ISSUE DATE: 11 August 2000

### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **439S Matrix – Resin – Part A**

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 |
|---|-----|-------------|-----------------|
| Epichlorohydrin / Bisphenol A reaction products | >50 | 25068-38-6  | N.E.            |
| Phenol-formaldehyde / Novolac reaction products | <50 | 028064-14-4 | N.E.            |

### Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: A hybrid epoxy-type solution that might irritate sensitized individuals. Repeated or prolonged exposure might cause some individuals to become sensitized to this product.

POTENTIAL HEALTH EFFECTS:

EYE:

- Minor irritation possible.

SKIN:

- Minor irritation possible. Sensitized persons may have allergic reaction to this product.

INGESTION:

- Oral toxicity (rat) >4000mg/kg LD<sub>50</sub> (very low toxicity).

INHALATION:

- Unlikely route of exposure.

CHRONIC EFFECTS:

- Chronically exposed persons could become sensitized, leading to irritation problems.

SIGNS & SYMPTOMS:

- Redness, irritation, itching possible.

### Section 4: FIRST AID MEASURES

⇒USE APPROPRIATE BLOOD-BORNE PATHOGENS PROTECTIONS⇐

EYE:

- Flush with eyewash or water. Get medical attention if irritation develops.

SKIN:

- Wash with soap & water. Get medical attention if irritation develops.

INGESTION:

- Get medical attention if ingested.

INHALATION:

- Move victim to fresh air. Get medical attention if irritation develops.

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: 200°C ( 392°F)      UEL/LEL: n.d.a.      VAPOR DENSITY: n.d.a.  
NFPA FLAMMABILITY RATING: 1  
COMBUSTION PRODUCTS: CO, CO<sub>2</sub>, NO<sub>x</sub>, & misc. hydrocarbons  
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: Stay upwind. Wear at least full bunker gear and SCBA.

## Section 6: ACCIDENTAL RELEASE MEASURES

Absorb & pick up. Surfaces can then be washed with steam or hot soapy water.

## Section 7: HANDLING AND STORAGE

Wash thoroughly after handling. Never eat or smoke around product.

Store in original sealed containers in a cool, dry ventilated storage area.

## Section 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

GENERAL: Avoid direct body contact.  
EYE/FACE: safety glasses.  
SKIN: chemical gloves  
RESPIRATORY: generally not required  
OTHER: Do not wear contaminated clothing. Saturated leather footwear cannot be decontaminated and must not be worn.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: straw/clear      ODOR: mild "epoxy"      PHYSICAL STATE: liquid  
pH: n.d.a.      VAPOR PRESS: <20mm Hg @ 20°C      VAPOR DENSITY: N/A  
SPECIFIC GRAVITY: 1.18      BOILING PT: 245°C ( 473°F)      MELT PT: N/A      SOLUBILITY IN H<sub>2</sub>O: slight

## Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Material is stable with no known conditions to avoid.  
INCOMPATIBILITY: strong acids, bases, oxidizers & combining with epoxy hardeners, in large quantities in an uncontrolled manner.  
HAZARDOUS POLYMERIZATION: Will not occur.  
HAZARDOUS DECOMPOSITION: None known, other than Sec. 5's Combustion Products.

## Section 11: TOXICOLOGICAL INFORMATION

n.d.a.

---

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 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         | DOT 172.101: not listed | CERCLA RQ: not listed          |
| CLEAN AIR 112(b): not listed | TSCA: listed            | STORMWATER RUNOFF: not listed  |
| SARA 313: not listed         | SARA TPQ: not listed    | SARA PRIORITY (PC): not listed |
| CA PROP. 65: not listed.     | RISK MGMT: not listed   | RCRA Waste Number: none        |
| VOC %: zero                  |                         |                                |

**Section 16: OTHER INFORMATION**

NFPA:  
HEALTH 1      FIRE 1      REACTIVITY 0      OTHER none

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

END OF MSDS