

MATERIAL SAFETY DATA SHEET (MSDS)

FIRST ISSUE DATE: 11 August 2000

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Standard Matrix – Hardener – Part B**

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
Polyethylenepolyamine	60-80	029320-38-5	N.E.
Tetraethylenepentamine	5-15	000112-57-2	N.E.
proprietary ingredients	<25	trade secret	N.E.

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Epoxy hardener solution. These reactive chemicals must be handled with body protection. Unprotected exposures could lead to illness or injury. Certain individuals may be sensitive to one or more ingredients. Repeated and prolonged, unprotected exposure may cause an allergy or sensitization to develop. Always maintain excellent ventilation in work areas.

POTENTIAL HEALTH EFFECTS:

EYE:

- May irritate some individuals. Corneal damage possible.

SKIN:

- May irritate some individuals. Chemical burns possible.

INGESTION:

- May cause gastric irritation.

INHALATION:

- Vapors can be irritating to breath. Some persons are particularly sensitive.

CHRONIC EFFECTS:

- None known. (Other than allergy development, noted above.)

SIGNS & SYMPTOMS:

- Skin rash, reddening, blistering and itching; breathing irritation or difficulty; anaphylactic collapse; vision obscured or clouded.

Section 4: FIRST AID MEASURES

⇒USE APPROPRIATE BLOOD-BORNE PATHOGENS PROTECTIONS⇐

EYE:

- Flood eye with water. See physician.

SKIN:

- Wipe away excess. Wash with waterless hand cleaner, followed by soap and water. See physician if irritation persists.

INGESTION:

- Do NOT induce vomiting. Get emergency medical attention.

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.

INHALATION:

- Move victim to fresh air. Provide breathing support. Get emergency medical attention.

Section 5: FIRE FIGHTING MEASURES

FLASH POINT: 138°C (280°F) UEL/ LEL: N.D.A. VAPOR DENSITY: N.D.A.
NFPA FLAMMABILITY RATING: 1
COMBUSTION PRODUCTS: CO, CO₂, NO_x & misc. hydrocarbons
SPECIAL HAZARDS: Burning may cause extra health and safety risks.
EXTINGUISHING MEDIA: Use foam, CO₂, dry chemical, water fog.
FIRE FIGHTER INSTRUCTIONS: Stay upwind. Wear at least full bunker gear and SCBA. DOT response guide #153.

Section 6: ACCIDENTAL RELEASE MEASURES

Contain. Wipe up or scoop up excess. Absorb balance. Most solvents/cleaners will clean up traces.

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: Provide good ventilation. Maintain air concentration of vapors to lowest practical level.
EYE/FACE: Wear safety glasses.
SKIN: Wear chemical plastic gloves.
RESPIRATORY: generally not required unless vapors are concentrated or ventilation is bad..
OTHER: Avoid repeated, prolonged, unprotected exposure. Don't wear contaminated clothing.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: amber liquid ODOR: amine odor PHYSICAL STATE: liquid
pH: alkaline VAPOR PRESS/VAPOR DENSITY: N.D.A. SPECIFIC GRAVITY: 1.1
BOILING PT: N.D.A. MELT PT: N/A SOLUBILITY IN H₂O: moderate

Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Material is stable with no known conditions to avoid.
INCOMPATIBILITY: Epoxy in an uncontrolled state. Strong oxidizers and acids.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION: None known, other than Sec. 5's Combustion Products.

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: 1910.1200 Hazardous Chemical "Irritant", "Sensitizer".

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

SARA 312: Immediate health hazard

Section 16: OTHER INFORMATION

NFPA: This compound is not rated. Following are conservative Air Logistics, Corp. interpolations:

HEALTH 2 FIRE 1 REACTIVITY 0 OTHER none

Section 17: CANADIAN REGULATORY INFORMATION

WHMIS: Hazard Classification: Class D2B Skin Sensitizer. Refer to MSDS for specific warnings.

WHMIS Symbols: Stylized T.

Trade Secrets: N/A.

Hazardous Products Act Information: This product MSDS contains ingredients which are Controlled and/or on the Ingredient Disclosure List (HPA sections 13 and 14).

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.