

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

071098920

N/A

**SECTION 1: IDENTIFICATION OF PRODUCT**

FORMULA: MIXTURE OF MODIFIED ALIPHATIC POLYAMINE EPOXY CURING AGENTS.

SYNONYM OR CROSS REFERENCE: DIE EPOXY HARDENER

**MATERIAL SAFETY DATA****NFPA RATINGS**

HEALTH HAZARD:	2
FIRE & EXPLOSION:	0
REACTIVITY:	0
PROTECTION:	B

**SECTION 2: HAZARDOUS INGREDIENTS**

MATERIAL: PHENOLICS, LESS THAN 1%; TLV 1 PPM

NATURE OF HAZARD: EYE AND SKIN IRRITANT. POTENTIAL ALLERGEN (SKIN SENSITIZER).

**SECTION 3: PHYSICAL DATA**

MELTING POINT: °F: N/A  
 BOILING POINT: °F: N/A  
 VAPOR PRESSURE: (MM HG): LESS THAN 0.1 MM HG AT 68°F.  
 SPECIFIC GRAVITY: (H2O=1): 1.1 at 77°F.  
 VAPOR DENSITY: (AIR =1): GREATER THAN 1.  
 WATER SOLUBILITY: SLIGHT  
 PH OF SOLUTION: N/A  
 PERCENT VOLATILE: N/A  
 EVAPORATION RATE: (BUAC =1): LESS THAN 1  
 APPEARANCE: LIGHT AMBER, VISCOUS LIQUID WITH AMINE ODOR.

**SECTION 4: FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (method used): 200°F., T.C.C.  
 FLAMMABLE LIMITS: LEL, UEL: NO SPECIFIC INFORMATION.

FIRE EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL OR CO<sub>2</sub>

SPECIAL FIRE FIGHTING PROCEDURES: NONE FOR LAB QUANTITIES. AVOID CONTACT WITH THE LIQUID AND VAPORS.

UNUSUAL FIRE AND EXPLOSION HAZARD: THERMAL DECOMPOSITION WILL LIBERATE IRRITATING FUMES.

**SECTION 5: HEALTH HAZARD**

THRESHOLD LIMIT VALUE: SEE SECTION #2. NOT LIKELY TO BE EXCEEDED IN NORMAL LAB USE.

HEALTH HAZARDS: Effects of overexposure to product.  
 Skin: PROLONGED CONTACT CAN CAUSE BURNS.

Eyes: DIRECT CONTACT CAN CAUSE BURNS.

Inhalation: HIGH CONCENTRATION OF VAPOR CAN CAUSE IRRITATION OF RESPIRATORY TRACT, BRONCHOSPASM AND NAUSEA. NOT LIKELY IN NORMAL USE.

Ingestion: HARMFUL IF SWALLOWED. LIQUID CAN CAUSE DAMAGE TO MUCOUS MEMBRANES AND LARYNGEAL EDEMA .

**FIRST AID PROCEDURES:**

Skin: WIPE OFF WITH ALCOHOL AND WASH WELL WITH SOAP AND WATER. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE OR DISCARD.

Eyes: IMMEDIATELY FLUSH WELL WITH COOL WATER FOR 15 MIN. AND SEEK MEDICAL ATTENTION.

Inhalation: IF IRRITATION OCCURS REMOVE TO FRESH AIR AND DISCONTINUE CONTACT.

Ingestion: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNT OF WATER OR MILK AND GET MEDICAL ATTENTION.

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

**SECTION 6: REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID: EXTREME HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS, MINERAL ACIDS, EPOXY RESINS.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION WILL LIBERATE CO, CO<sub>2</sub>, OXIDES OF NITROGEN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

**SECTION 7: SPILL AND DISPOSAL PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
 ABSORB SPILL WITH INERT MATERIALS. WIPE UP RESIDUES WITH ALCOHOL AND DETERGENT. WEAR PERSONAL PROTECTIVE EQUIPMENT TO MINIMIZE CONTACT.

WASTE DISPOSAL METHOD:  
 TRANSFER TO A METAL DISPOSAL CONTAINER. LAB QUANTITIES MAY BE DISPOSED OF IN CHEMICAL TRASH.

**SECTION 8: PROTECTION INFORMATION**

VENTILATION: LOCAL EXHAUST PREFERRED IF SENSITIVITY IS EXPERIENCED. MECHANICAL (GENERAL) IS NORMALLY ACCEPTABLE

SKIN: NEOPRENE OR NITRILE IMPERVIOUS GLOVES.

EYES: SAFETY GLASSES OR GOGGLES. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE REQUIRED IN NORMAL USE. IF HIGH CONCENTRATIONS OF VAPORS ARE GENERATED, NIOSH APPROVED RESPIRATORS SHOULD BE WORN.

OTHER PROTECTIVE EQUIPMENT: EYE-WASH STATION.

**SECTION 9: HANDLING AND STORAGE (lab quantities)**

KEEP CONTAINERS WELL CLOSED. STORE IN COOL, DRY, WELL VENTILATED AREA. FOR LABORATORY OR OFFICE USE ONLY. KEEP OUT OF REACH OF CHILDREN. AVOID HEAT AND DIRECT SUNLIGHT. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

**SECTION 10: MISCELLANEOUS INFORMATION**

EMERGENCY RESPONSE: INFOTRAC: 1-800-535-5053

SALES INFORMATION: 1-800-558-5925 (8 AM TO 6 PM EST, MONDAY TO FRIDAY)

Revision Date: 3/1/2013 Information Furnished By: L. D. Hochhauser  
 Product Development Mgr.

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**SAFETY DATA SHEET**

**SECTION 1: IDENTIFICATION OF PRODUCT**

PRODUCT NAME: **DIE EPOXY HARDENER**

APPLICATION: PROPRIETARY MIXTURE OF MODIFIED ALIPHATIC POLYAMINE EPOXY CURING AGENTS.

EMERGENCY CONTACT: **INFOTRAC: 1-352-323-3500, TOLL-FREE 1-800-535-5053**

**SECTION 2: HAZARDS IDENTIFICATION (CLASSIFICATION)**

WARNING: IRRITANT TO SKIN AND EYES.. POTENTIAL ALLERGEN.



SECTION 2A: PHYSICAL HAZARDS

N/A

SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: TLV NOT ESTABLISHED FOR THIS MIXTURE

SKIN: H312: HARMFUL IN CONTACT WITH SKIN. CATEGORY 4.

EYES: H319: CAUSES SERIOUS EYE IRRITATION. CATEGORY 2A

INHALATION: H332: HARMFUL IF INHALED. CATEGORY 4.

INGESTION: H302: HARMFUL IF SWALLOWED. CATEGORY 4

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

**SECTION 3: COMPOSITION / INGREDIENTS**

MIXTURE:  Yes  No

MIXTURE OF MODIFIED ALIPHATIC POLYAMINE EPOXY CURING AGENTS.

**SECTION 4: FIRST AID MEASURES**

SKIN: P302+352: IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. P332+313: IF SKIN IRRITATION OCCURS: CONTACT A POISON CENTER OR DOCTOR/PHYSICIAN. P361+363: REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE REUSE.

EYES: P305+351+338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO – CONTINUE RINSING. P337+313: IF EYE IRRITATION PERSISTS GET MEDICAL ADVICE/ATTENTION.

INHALATION: P304+340: IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P342+311: IF EXPERIENCING RESPIRATORY SYMPTOMS: CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

INGESTION: P311: CALL A POISON CENTER/PHYSICIAN. P330+331: RINSE MOUTH. DO NOT INDUCE VOMITING. GIVE 2 GLASSES OF WATER OR MILK TO DRINK..

**SECTION 5: FIREFIGHTING MEASURES**

FLASH POINT: N/A: MATERIAL IS NON-FLAMMABLE.

FLAMMABLE LIMITS: N/A

FIRE EXTINGUISHING MEDIA: P370+378: IN CASE OF FIRE: USE ANY MEANS APPROPRIATE FOR ADJACENT COMBUSTIBLE MATERIALS FOR EXTINCTION.

SPECIAL FIRE FIGHTING PROCEDURES: NONE FOR LAB QUANTITIES. IF SAFE, REMOVE CONTAINERS FROM SOURCES OF HEAT AND COOL THEM.

UNUSUAL FIRE AND EXPLOSION HAZARD: IF INVOLVED IN A FIRE, EMITS IRRITATING FUMES. AVOID BREATHING DECOMPOSITION VAPORS. WEAR PERSONAL PROTECTIVE EQUIPMENT TO AVOID CONTACT WITH CONCENTRATED LIQUID.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

PRECAUTIONS: N/A

PROCEDURES: USE PERSONAL PROTECTIVE EQUIPMENT TO AVOID CONTACT WITH CONCENTRATED LIQUID. ABSORB LIQUID WITH TOWELING OR GRANULAR ABSORBENT.

#### **SECTION 7: HANDLING AND STORAGE (LAB QUANTITIES)**

P102: KEEP OUT OF REACH OF CHILDREN. P402+404: STORE IN A DRY PLACE. STORE IN A CLOSED CONTAINER. P403+235+410: STORE IN A WELL VENTILATED PLACE. KEEP COOL. PROTECT FROM SUNLIGHT. FOR LABORATORY OR OFFICE USE ONLY. DO NOT MIX WITH OTHER MATERIALS UNLESS DIRECTED TO DO SO. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

#### **SECTION 8: EXPOSURE CONTROLS (PERSONAL PROTECTION)**

VENTILATION: LOCAL EXHAUST IS ACCEPTABLE.

SKIN: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. NITRILE OR RUBBER IMPERMEABLE GLOVES.

EYES: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. SAFETY GLASSES OR GOGGLES. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE NEEDED IN NORMAL USE.

OTHER: EYE WASH STATION

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: LIGHT AMBER, VISCOUS LIQUID WITH AMINE ODOR. MAY FUME SLIGHTLY IF EXPOSED TO MOIST AIR.

PH OF SOLUTION: N/A

MELTING POINT: °F: N/A

BOILING POINT: N/A

SPECIFIC GRAVITY: 1.1

EVAPORATION RATE: (BUAC =1): LESS THAN 1.

VAPOR DENSITY: (AIR =1): GREATER THAN 1.

PERCENT VOLATILE: N/A

VAPOR PRESSURE: LESS THAN 0.1 MM HG AT 68 F.

WATER SOLUBILITY: INSOLUBLE

#### **SECTION 10: REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID: EXTREME HEAT

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS, MINERAL ACIDS, EPOXY RESINS.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION WILL LIBERATE CO, CO<sub>2</sub>, OXIDES OF NITROGEN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

REACTIVITY WITH WATER: WILL NOT OCCUR.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

SKIN: CONTACT WITH CONCENTRATED SOLUTION CAN CAUSE IRRITATION OR BURNS.

EYES: DIRECT EXPOSURE CAN CAUSE SEVERE IRRITATION OR BURNS, REDNESS AND BLURRED VISION.

INHALATION: INHALATION CAN CAUSE IRRITATION TO RESPIRATORY SYSTEM, SNEEZING, COUGHING, EXASPERBATION OF PRE-EXISTING PULMONARY PROBLEMS.

INGESTION: HARMFUL IF SWALLOWED. LIQUID CAN CAUSE DAMAGE TO MUCOUS MEMBRANES AND LARYNGEAL EDEMA.

CHRONIC EXPOSURE: NO HUMAN DATA REPORTED

SENSITIZER: NO HUMAN DATA REPORTED

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

TERATOGENICITY: N/A

EMBRYOTOXICITY: N/A

MUTAGENICITY: N/A

PRE-EXISTING CONDITIONS: N/A

#### **SECTION 12: ECOLOGICAL INFORMATION**

ECOTOXICITY: NOT ESTABLISHED FOR THIS MIXTURE. EXPECTED TO BE HIGH.

DEGRADABILITY: EXPECTED TO BE BIODEGRADABLE

BIOACCUMULATION: NOT EXPECTED TO BIO-ACCUMULATE.

MOBILITY IN SOIL: EXPECTED TO BE LOW.

#### **SECTION 13: DISPOSAL INFORMATION**

TRANSFER TO A METAL DISPOSAL CONTAINER. LAB QUANTITIES MAY BE DISPOSED OF IN CHEMICAL TRASH. LARGE QUANTITIES MUST BE DISPOSED OF ACCORDING TO FEDERAL OR APPROVED STATE PROCEDURES.

#### **SECTION 14: TRANSPORT INFORMATION**

UN NUMBER: N/A

SHIPPING NAME: N/A

CLASS: N/A

PACKING GROUP: N/A

MARINE POLLUTANT: N/A

WARNING SYMBOL: IRRITANT

OTHER: THE MATERIAL, IN LAB QUANTITIES, IS NOT REGULATED AS A HAZARD IN TRANSPORTATION BY THE US DOT.

#### **SECTION 15: REGULATORY INFORMATION**

LABELING: IRRITANT

NFPA RATINGS: HEALTH HAZARD: 2 FIRE & EXPLOSION: 0 REACTIVITY: 0 SPECIAL PROTECTION: B

NATIONAL REGULATIONS:

TSCA: ALL COMPONENTS ARE ON THE TSCA INVENTORY LIST

SARA: SARA SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES: NONE LISTED.

SARA SECTION 313: N/A

INAPPLICABLE: NO COMPONENTS ARE SUBJECT TO TSCA SNUR LISTING.

FOREIGN REGULATIONS:

ALL COMPONENTS ARE ON THE EU EINECS INVENTORY LIST AND THE CANADIAN DSL.

#### **SECTION 16: OTHER INFORMATION**

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**SALES INFORMATION: 1-800-558-5925 (8 AM TO 6 PM EST, MONDAY TO FRIDAY)**

Revision Date: 8/25/2017

Information Furnished By: L. D. Hochhauser  
Product Development Mgr.

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