

M A T E R I A L   S A F E T Y   D A T A   S H E E T

EPOXY

STORAGE AREA: KD/WHSE

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5/2/2012

HMIS CODES: H F R  
2 1 0

PRODUCT CODE: X12C4799A

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SECTION I - MANUFACTURER IDENTIFICATION  
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MANUFACTURER'S NAME: EPIC RESINS  
ADDRESS : 600 Industrial Drive  
Po Box 905  
Palmyra, WI 53156  
EMERGENCY PHONE : (800)-424-9300 EFFECTIVE DATE : 03/21/12  
INFORMATION PHONE : (262) 495-3400

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SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION  
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REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
EPOXY RESIN NONE ESTABLISHED.	PROPRIETARY	<0.001 20 C	
* ETHYLENE GLYCOL OSHA CEILING: 50 PPM ACGIH CEILING: 39.4PPM (AEROSOL) SARA 313 REPORTABLE - 100%	107-21-1	0.06 68 F	0 - 10%

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

IF THIS PRODUCT CONTAINS PARTICULATES (FILLERS), THEY ARE BLENDED INTO A LIQUID AND POSE NO HAZARD AS SUPPLIED. THEY MAY HOWEVER BE RELEASED IF FINAL PRODUCT IS MACHINED, I.E. SANDED, CUT, ETC. THESE INGREDIENTS ARE LISTED BELOW.

CRYSTALLINE SILICA ACGIH - TLV 0.025 mg/m3 TWA (RESPIRABLE CRYSTALLINE QUARTZ) I.A.R.C. GROUP 1 CARCINOGEN NTP CARCINOGEN	14808-60-7	NA NA	31 - 40%
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INFORMATION CONCERNING ITEMS LISTED AS PROPRIETARY WILL BE DISPENSED TO HEALTH AND SAFETY PROFESSIONALS AS REQUIRED BY 29CFR 1910.1200 (OSHA HAZARD COMMUNICATIONS STANDARD).

TSCA INVENTORY STATUS: ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS  
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BOILING RANGE: NOT DETERMINED. SPECIFIC GRAVITY (H2O=1): 1.4744  
VAPOR DENSITY: NOT DETERMINED. EVAPORATION RATE: NOT DETERMINED.  
COATING V.O.C.: 0.0 lb/gl MATERIAL V.O.C.: 0.0 lb/gl  
SOLUBILITY IN WATER: NOT DETERMINED.  
APPEARANCE AND ODOR: REFER TO PRODUCT BULLETIN.

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=====**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**=====

**FLASH POINT:** 241 F                                   **METHOD USED:** TCC  
**FLAMMABLE LIMITS IN AIR BY VOLUME-** LOWER: 3.2                   **UPPER:** 15.3

**EXTINGUISHING MEDIA:**  
CARBON DIOXIDE, FOAM OR DRY CHEMICAL.

**SPECIAL FIREFIGHTING PROCEDURES**  
WHEN FIRE FIGHTING, WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**  
NONE.

=====**SECTION V - REACTIVITY DATA**=====

**STABILITY:**  
STABLE  
**CONDITIONS TO AVOID**  
EXCESSIVE HEAT.

**INCOMPATIBILITY (MATERIALS TO AVOID)**  
STRONG ACIDS, AMINES, MERCAPTANS AND BASES.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**  
CARBON MONOXIDE, CARBON DIOXIDE, PHENOLICS.

**HAZARDOUS POLYMERIZATION:**  
[ ] MAY OCCUR                   [X] WILL NOT OCCUR

=====**SECTION VI - HEALTH HAZARD DATA**=====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**  
MOST EPOXY RESINS DO NOT POSE AN INHALATION RISK. SOME EPOXY RESINS MAY HAVE COMPONENTS WHICH MAY CAUSE RESPIRATORY TRACT IRRITATION IF INHALED.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**  
MATERIAL MAY BE IRRITATING TO EYES AND SKIN. MAY CAUSE RASH OR DERMITITIS.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**  
SKIN ABSORPTION MAY BE HARMFUL. MAY CAUSE RASH, ITCHING OR DERMITITIS.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**  
MAY CAUSE IRRITATION OF THE MOUTH, THROAT AND GASTROINTESTINAL TRACT. THIS MAY CAUSE NAUSEA AND DIARRHEA.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**  
THIS PRODUCT MAY BE IRRITATING TO SKIN CAUSING A RASH OR DERMITITIS. THIS PRODUCT MAY CAUSE SENSITIZATION.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**  
SKIN DISORDERS AND ALLERGIES.

**EMERGENCY AND FIRST AID PROCEDURES**

IN CASE OF CONTACT, REMOVE CONTAMINATED CLOTHING AND FLUSH SKIN OR EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION FOR EYES. IF INHALED, MOVE VICTIM TO FRESH AIR. IF SWALLOWED, CALL PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

ABSORB WITH INERT MATERIAL, SWEEP OR SCOOP UP AND PUT IN DISPOSAL CONTAINER.

**WASTE DISPOSAL METHOD**

INCINERATE OR BURY IN LANDFILL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. INCINERATION IS THE PREFERRED METHOD OF DISPOSAL.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

AVOID CONTACT WITH EYES, SKIN OR CLOTHING. KEEP AWAY FROM FOOD AND DRINK. KEEP DRY AND STORE IN CLOSED CONTAINERS.

**OTHER PRECAUTIONS**

NONE.

===== SECTION VIII - CONTROL MEASURES =====

EPIC RESINS GIVES ALL INFORMATION HEREIN CONTAINED IN GOOD FAITH. DUE TO DIFFERENT APPLICATIONS, THE END USER SHOULD MAKE THE FINAL DETERMINATION AS TO THE PROPER EQUIPMENT AND CONTROLS TO BE USED WITH THIS PRODUCT.

**RESPIRATORY PROTECTION**

MOST EPOXY RESINS WILL NOT NEED A RESPIRATOR, HOWEVER, USE AN ORGANIC VAPOR RESPIRATOR IF VENTILATION IS INADEQUATE.

**VENTILATION**

FORCED AIR.

**PROTECTIVE GLOVES**

NEOPRENE OR NITRILE RUBBER.

**EYE PROTECTION**

GLASSES WITH SIDE SHIELDS, CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

IMPERVIOUS APRON, SAFETY SHOWER AND EYE WASH STATION.

**WORK/HYGIENIC PRACTICES**

WASH AT THE END OF EACH WORKSHIFT AND BEFORE EATING, DRINKING, SMOKING OR USING THE RESTROOM. PROMPTLY REMOVE CLOTHING THAT BECOMES CONTAMINATED. EXAMINE PROTECTIVE GLOVES BEFORE USING. LAUNDRY OR PROPERLY DISPOSE CONTAMINATED

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CLOTHING ARTICLES.

===== SECTION IX - OTHER INFORMATION =====

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY EXPRESSED OR IMPLIED IS MADE. EPIC RESINS URGES USERS OF THIS PRODUCT TO EVALUATE ITS SUITABILITY AND COMPLIANCE WITH LOCAL REGULATIONS AS EPIC RESINS CANNOT FORESEE THE FINAL USE OF THE PRODUCT, NOR THE FINAL LOCATION OF USAGE.

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AMINE

STORAGE AREA: WHSE

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EMERGENCY PHONE : (800)-424-9300 EFFECTIVE DATE : 03/21/12  
INFORMATION PHONE : (262) 495-3400

=====  
SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION  
=====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
POLYAMIDE RESIN NONE ESTABLISHED	MIXTURE	<0.01 70F	
DIETHYLENETRIAMINE MIXTURE DIETHYLENETRIAMINE OSHA TWA : 1 PPM 4 MG/M3 ACGIH TWA: 1 PPM 4.2 MG/M3 SKIN SARA 313 REPORTABLE - 25% CAS# 80-05-7	MIXTURE	<1 21 C	11 - 20%
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL NONE ESTABLISHED	90-72-2	<0.01 70F	

IF THIS PRODUCT CONTAINS PARTICULATES (FILLERS), THEY ARE BLENDED INTO A LIQUID AND POSE NO HAZARD AS SUPPLIED. THEY MAY HOWEVER BE RELEASED IF FINAL PRODUCT IS MACHINED, I.E. SANDED, CUT, ETC. THESE INGREDIENTS ARE LISTED BELOW.

CRYSTALLINE SILICA ACGIH - TLV 0.025 mg/m3 TWA (RESPIRABLE CRYSTALLINE QUARTZ) I.A.R.C. GROUP 1 CARCINOGEN NTP CARCINOGEN	14808-60-7	NA NA	61 - 70%
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INFORMATION CONCERNING ITEMS LISTED AS PROPRIETARY WILL BE DISPENSED TO HEALTH AND SAFETY PROFESSIONALS AS REQUIRED BY 29CFR 1910.1200 (OSHA HAZARD COMMUNICATIONS STANDARD).

TSCA INVENTORY STATUS: ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

=====  
SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS  
=====

BOILING RANGE: NOT DETERMINED. SPECIFIC GRAVITY (H2O=1): 1.6884  
VAPOR DENSITY: NOT DETERMINED. EVAPORATION RATE: NOT DETERMINED.  
COATING V.O.C.: 0.0 lb/gl MATERIAL V.O.C.: 0.0 lb/gl

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**SOLUBILITY IN WATER: NOT DETERMINED.****APPEARANCE AND ODOR: REFER TO PRODUCT BULLETIN.**=====**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**=====**FLASH POINT: 230 F** **METHOD USED: PMCC**  
**FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A** **UPPER: N/A****EXTINGUISHING MEDIA:**

WATER, CARBON DIOXIDE, FOAM OR DRY CHEMICAL.

**SPECIAL FIREFIGHTING PROCEDURES**

WHEN FIRE FIGHTING, WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

NONE

=====**SECTION V - REACTIVITY DATA**=====**STABILITY:**

STABLE

**CONDITIONS TO AVOID**

EXCESSIVE HEAT.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

ACIDS, ACID CURING AGENTS AND EPOXY RESINS. AVOID MINERAL ACIDS AND OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

CARBON DIOXIDE, CARBON MONOXIDE AND NITROGEN OXIDES. MAY PRODUCE NITRIC ACID IN A FIRE SITUATION. NITROGEN OXIDE CAN REACT WITH WATER VAPORS TO FORM NITRIC ACID.

**HAZARDOUS POLYMERIZATION:**

[ ] MAY OCCUR                  [X] WILL NOT OCCUR

=====**SECTION VI - HEALTH HAZARD DATA**=====**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

INHALATION MAY CAUSE IRRITATION IN THE RESPIRATORY TRACT. COUGHING AND CHEST PAIN MAY RESULT.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

LIQUID MAY CAUSE EYE INJURY AND SEVERE PAIN. SKIN CONTACT MAY CAUSE DISCOMFORT, PAIN, REDNESS, ITCHING, OR DERMITITIS.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

SKIN ABSORPTION MAY BE HARMFUL. MAY CAUSE SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES. MAY CAUSE PAIN, ITCHING, DISCOMFORT OR DERMITITIS.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

HARMFUL IF SWALLOWED. IMMEDIATELY GIVE 2-4 GLASSES OF WATER OR MILK. DO NOT INDUCE VOMITING. MAY CAUSE BURNING IN MOUTH, THROAT AND STOMACH WITH NAUSEA, VOMITING AND DIARRHEA.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

MAY BE IRRITATING TO EYES, SKIN AND MUCOUS MEMBRANES. MAY CAUSE REDNESS, SWELLING, DERMITITIS OR CHEMICAL BURNS. PROLONGED CONTACT OR VAPOR OVEREXPOSURE MAY CAUSE ALLERGIC REACTIONS, SENSITIZATION, COUGHING OR SORE THROAT.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

ASTHMA, CHRONIC RESPIRATORY DISEASE (E.G. BRONCHITIS OR EMPHYSEMA), SKIN DISORDERS AND ALLERGIES.

**EMERGENCY AND FIRST AID PROCEDURES**

IN CASE OF CONTACT, REMOVE CONTAMINATED CLOTHING AND IMMEDIATELY FLUSH SKIN OR EYES WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION FOR EYES. IF SWALLOWED, CALL PHYSICIAN IMMEDIATELY. IF INHALED, MOVE VICTIM TO FRESH AIR.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

VENTILATE AREA WELL. ABSORB WITH INERT MATERIAL. SWEEP OR SCOOP UP AND PUT IN DISPOSAL CONTAINERS.

**WASTE DISPOSAL METHOD**

INCINERATE OR BURY IN LANDFILL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. INCINERATION IS THE PREFERRED METHOD OF DISPOSAL.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

AVOID CONTACT WITH EYES, SKIN OR CLOTHING. DO NOT BREATHE VAPORS. KEEP AWAY FROM ACIDS, OXIDIZERS AND HEAT. KEEP AWAY FROM FOOD OR DRINK. KEEP DRY AND STORE IN CLOSED CONTAINERS.

**OTHER PRECAUTIONS**

NONE.

===== SECTION VIII - CONTROL MEASURES =====

EPIC RESINS GIVES ALL INFORMATION HEREIN CONTAINED IN GOOD FAITH. DUE TO DIFFERENT APPLICATIONS, THE END USER SHOULD MAKE THE FINAL DETERMINATION AS TO THE PROPER EQUIPMENT AND CONTROLS TO BE USED WITH THIS PRODUCT.

**RESPIRATORY PROTECTION**

ORGANIC VAPOR RESPIRATOR, IF VENTILATION IS INADEQUATE.

AMINE

STORAGE AREA: WHSE

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**VENTILATION**

LOCAL EXHAUST.

**PROTECTIVE GLOVES**

NEOPRENE RUBBER, NITRILE RUBBER OR PVC.

**EYE PROTECTION**

GLASSES WITH SIDE SHIELDS, CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

COVERALLS APRON. SAFETY SHOWER AND EYE WASH STATION.

**WORK/HYGIENIC PRACTICES**

WASH AT THE END OF EACH WORKSHIFT AND BEFORE EATING, DRINKING, SMOKING OR USING THE RESTROOM. PROMPTLY REMOVE CLOTHING THAT BECOMES CONTAMINATED. EXAMINE PROTECTIVE GLOVES BEFORE USING. LAUNDRY OR PROPERLY DISPOSE CONTAMINATED CLOTHING ARTICLES.

===== SECTION IX - OTHER INFORMATION =====

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY EXPRESSED OR IMPLIED IS MADE. EPIC RESINS URGES USERS OF THIS PRODUCT TO EVALUATE ITS SUITABILITY AND COMPLIANCE WITH LOCAL REGULATIONS AS EPIC RESINS CANNOT FORESEE THE FINAL USE OF THE PRODUCT, NOR THE FINAL LOCATION OF USAGE.