

**MATERIAL SAFETY DATA SHEET**

PRODUCT

NAME:

EX-88

RESIN

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PRODUCT CLASS: EPOXY RESIN

D.O.T. SHIPPING INFORMATION:

PRODUCT NUMBER: 01188, 01288, 01287, 01179  
01183, 01488, 01189, 01188R, 12010

NON-HAZARDOUS

**SECTION I**

ENVIRONMENTAL TECHNOLOGY, INC.

TRANSPORTATION EMERGENCY PHONE

NUMBER:

300 SOUTH BAY DEPOT ROAD

**CHEMTREC** (800) 424-9300

FIELDS LANDING, CA 95537

PHONE # FOR INFORMATION: (707) 443-9323

DATE PREPARED: 11-01-12

PREPARED BY: TECHNICAL DEPARTMENT

**SECTION II Hazardous Ingredients/Identity Information**

HAZARDOUS COMPONENTS	CAS REG.NO.	APPROX WT.%	ACGIH TWA/TLV	OSHA PEL	VAPOR PRESSURE mm Hg
BISPHENOL A/EPICHLOROHYDRIN RESIN*	25068-38-6	T/S	N/S	N/E	<1
ALIPHATIC AND AROMATIC GLYCIDL ETHERS	T/S	T/S	N/E	N/E	<1

\*Residual levels of Epichlorohydrin are controlled to 1 ppm in this product.

Although no exposure standards have been established for this product, air contaminant concentrations must be

maintained at lowest possible levels. T/S = TRADE SECRET N/A = NOT AVAILABLE N/E = NOT ESTABLISHED

**SECTION III - Physical/Chemical Characteristics**

BOILING RANGE °F	>350	PERCENT VOLATILE BY VOLUME		T/S
MELTING OR FREEZING POINT	N/A	PERCENT VOLATILE BY WEIGHT		T/S
VAPOR DENSITY (AIR=1)	>1	EVAPORATION RATE (SLOWER THAN ETHER)	LBS./GAL	9.6
SOLUBILITY IN WATER: SLIGHTLY SOLUBLE			VOC LBS/GAL	T/S
APPEARANCE AND ODOR: CLEAR, COLORLESS, VISCOUS LIQUID WITH CHARACTERISTIC, EPOXY RESIN ODOR			VOC GRAMS/LITER	T/S

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

FLASH POINT (METHOD USED): TOC >200°F FLAMMABLE LIMITS: LEL: N/E UEL: N/E

EXTINGUISHING MEDIA:  FOAM  ALCOHOL FOAM  CO<sub>2</sub>  DRY CHEMICAL  WATER SPRAY  OTHER

SPECIAL FIRE FIGHTING PROCEDURES: USE NIOSH APPROVED PROTECTIVE CLOTHING INCLUDING POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS(SCBA). COOL UNOPENED CONTAINERS WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE EXPECTED

**SECTION V - REACTIVITY DATA**

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STABILITY  UNSTABLE  STABLE / CONDITIONS TO AVOID:

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID CONTACT WITH STRONG ACIDS, AMINES OR OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: BURNING PRODUCT WILL EMIT TOXIC FUMES INCLUDING OXIDES OF CARBON AND NITROGEN, AND VARIOUS CHLORINATED COMPOUNDS.

HAZARDOUS POLYMERIZATION  MAY OCCUR  MAY NOT OCCUR. CONDITIONS TO AVOID:  
PRODUCT CONTAMINATION.

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**SECTION VI - HEALTH HAZARD DATA**

ROUTE(S) OF ENTRY:      INHALATION? YES    SKIN? YES    INGESTION? UNLIKELY

HEALTH HAZARDS (ACUTE AND CHRONIC): MILDLY IRRITATING TO EYES AND SKIN, VAPORS AND/OR SKIN CONTACT COULD CAUSE SENSITIZATION. VAPORS ARE IRRITATING TO RESPIRATORY TRACT. REACTIONS TO INGESTION ARE UNDETERMINED.

CARCINOGENICITY:      NTP? NO    IARC MONOGRAPHS? NO    OSHA REGULATED? NO  
SIGNS AND SYMPTOMS OF EXPOSURE:    SENSITIZATION MAY CAUSE HIVE-LIKE RASH AND BREATHING DIFFICULTIES. EYE OR SKIN CONTACT WOULD PRODUCE REDNESS AND IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:    PRE-EXISTING SKIN OR EYE PROBLEMS MAY BE WORSENERD BY EXPOSURE TO THIS PRODUCT.    EXISTING ALLERGIES MAY INCREASE THE POSSIBILITY OF ALLERGIES TO THIS MATERIAL.

**EMERGENCY AND FIRST AID PROCEDURES:**    **ORAL:** INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY! **EYES:** SEVERE IRRITANT TO EYES. IN CASE OF EYE CONTACT, FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES AND GET PROMPT MEDICAL ATTENTION. **SKIN:** WASH IMMEDIATELY WITH SOAP AND RINSE THOROUGHLY WITH WATER. DO NOT USE SOLVENTS OR ALCOHOL TO REMOVE PRODUCT FROM SKIN. **INHALATION:**    MOVE TO FRESH AIR. IF NOT BREATHING, ADMINISTER CPR. IF BREATHING IS DIFFICULT, GET MEDICAL ATTENTION.

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

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND NIOSH APPROVED RESPIRATOR. DIKE AND CONTAIN SPILL. SPREAD ABSORBENT MATERIAL. KEEP SPECTATORS AWAY.

WASTE DISPOSAL METHOD:    NOT A RCRA HAZARDOUS WASTE AS SUPPLIED; USER MUST DETERMINE RCRA STATUS AT TIME OF DISPOSAL. LANDFILL OR INCINERATE IN ACCORDANCE WITH EXISTING FEDERAL, STATE, AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:    STORE IN COOL DRY AREA, AWAY FROM STRONG OXIDANTS, HEAT OR IGNITION SOURCES. ALWAYS KEEP CONTAINERS CLOSED. DO NOT GET ON SKIN OR BREATHE VAPORS.

OTHER PRECAUTIONS:      CLEAN UP ANY SPILLS IMMEDIATELY.    WASH ANY AREAS OF BODY CONTACT IMMEDIATELY.

**SECTION VIII - CONTROL MEASURES**

RESPIRATORY PROTECTION (SPECIFY TYPE):    NIOSH APPROVED TO PREVENT INHALATION OF VAPORS; IF VENTILATION IS INADEQUATE, SCBA MAY BE REQUIRED.

VENTILATION:    LOCAL EXHAUST: IF REQUIRED. SPECIAL VENTILATION MUST BE ADEQUATE TO AVOID BREATHING VAPORS.

USE IN SEALED EQUIPMENT AS MUCH AS POSSIBLE. MECHANICAL (GENERAL): REQUIRED

PROTECTIVE GLOVES: NEOPRENE OR RUBBER      EYE PROTECTION: SAFETY GOGGLES  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: TO AVOID ALL SKIN CONTACT. WEAR PROTECTIVE APRON AND AVOID FOOT CONTACT.

WORK/HYGIENIC PRACTICES: WASH AT END OF WORK SHIFT, BEFORE EATING, SMOKING OR USING RESTROOM. DO NOT RE-USE CONTAMINATED CLOTHING.

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REGULATORY INFORMATION: THIS PRODUCT IS REGULATED UNDER SARA TITLE III SECTION 311 AS ACUTELY HAZARDOUS.

All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his or her own use of the product described herein. Since the actual use by others is beyond Environmental Technology, Inc.'s control, no guarantee, expressed or implied, is made by Environmental Technology, Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product.