

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CRYSTAL SHEEN - RESIN

PRODUCT CLASS: EPOXY RESIN

PRODUCT NUMBER: 02208, 02216, 02232, 02228, 2228R, 02211, 22218, 01491, 02228R, 22218X

D.O.T. SHIPPING INFORMATION: NON-HAZARDOUS

TRANSPORTATION EMERGENCY PHONE NUMBER: CHEMTREC (800) 424-9300

**SECTION I**

ENVIRONMENTAL TECHNOLOGY, INC.  
300 SOUTH BAY DEPOT ROAD

FIELDS LANDING, CA 95537  
PHONE NUMBER FOR INFORMATION: (707) 443-9323

DATE PREPARED: 10/28/2009  
PREPARED BY: TECHNICAL DEPARTMENT



**SECTION II Hazardous Ingredients/Identity Information**

HAZARDOUS COMPONENTS	CAS REG.NO.	APPROX WT.%	ACGIH TW/TLV	OSHA PEL	VAPOR PRESSURE mm Hg
BISPHENOL A/EPICHLOROHYDRIN RESIN	25068-38-6	T/S	N/S	N/E	<1
ALKYL (C12-C-14) GLYCIDYL ETHER	68609-97-2	T/S	N/E	N/E	<1

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

**There are no substances in this product known to cause cancer or reproductive harm under California's Proposion 65.**

**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	0
APPEARANCE AND ODOR: CLEAR, COLORLESS, VISCOUS LIQUID WITH CHARACTERISTIC, EPOXY RESIN ODOR			VOC GRAMS/LITER	0

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

FLASH POINT (METHOD USED): TOC >160°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**

STABILITY  UNSTABLE  STABLE / CONDITIONS TO AVOID:

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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.

**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 SAOP AND RINSE WITH 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.

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

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