

# MATERIAL SAFETY DATA SHEET

FILE NO.: 151

Environmental Coatings Inc. ECI-151 Acrylic Urethane Elastomeric Sealant

MSDS DATE: 2/18/11

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ECI-151 Acrylic Urethane Elastomeric Sealant Clear

**MANUFACTURER:** Environmental Coatings, Inc

**ADDRESS:** 36 Eagle Rock Way, Montclair, NJ, 07042

**EMERGENCY CONTACT:** Chemtrec

**CHEMTREC PHONE:** 1-800-424-9300

**CHEMICAL NAME:** Acrylic Sealant

## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	% WT	TLV	PEL - TWA
Mineral Spirits	8052-41-3	<1	100 ppm	100 ppm
Ethylene Glycol	107-21-1	1 - 3	Not Established	Not Established
Acrylic Polymer (dry)	Proprietary	50-60	Not Established	Not Established
Water	13463-67-7	>40	Not Established	Not Established

## SECTION 3: HAZARDS IDENTIFICATION

### EFFECTS OF OVEREXPOSURE -

#### ACUTE EFFECTS:

**EYES:** Direct contact may cause slight to moderate irritation.

**SKIN:** May cause allergic skin reactions and / or central nervous system depression.

**INHALATION:** May cause slight irritation to respiratory passages – headache – dizziness.

**INGESTION:** Low ingestion hazard in normal use.

#### PROLONGED / REPEATED EXPOSURE EFFECTS:

**SKIN:** May cause allergic skin reactions, defatting, drying, and dermatitis.

**INHALATION:** No applicable information available.

**INGESTION:** May cause adverse kidney effects.

**OTHER:** Some adverse reproduction effects have been reported in animals.

## SECTION 4: FIRST AID MEASURES

### EMERGENCY FIRST AID PROCEDURES –

**EYES:** Flush with large volumes of water for 15 to 30 minutes. Remove contacts after the first 2 minutes of flushing. Get medical attention.

**SKIN:** Wash with soap and water or waterless cleanser. Get medical attention if irritation develops or persists.

**INHALATION:** Move to fresh air. Get medical attention.

**INGESTION:** Do not induce vomiting. Seek medical attention from a physician. Never give anything by mouth to an unconscious person.

**OTHER:** No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

## **SECTION 5: FIRE FIGHTING MEASURES**

**Flash Point:** Waterbased product flash point not applicable  
**Explosion Hazard:** Waterbased product, not an explosion hazard  
**LEL:** Not Applicable  
**Extinguishing Media:** Carbon dioxide, dry chemical, foam, or water spray  
**Unusual Fire and Explosion Hazards:** Material can splatter above 200°F  
**Special Fire Fighting Procedures:** Water can be used to cool fire-exposed containers. Self-contained breathing apparatus and protective clothing should always be worn when fighting large fires involving chemicals.

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

**In the case of accidental release or spill:** Follow all recommendations regarding Personal Protective Equipment. Preferred method would be to scrape up spilled material and place in secondary container for disposal. Smaller spills can also be wiped up. Residual material can be removed with the assistance of hot water and soap. White water should be captured and contained for disposal.

**Disposal Method:** All material must be disposed in accordance with Federal, State, and Local Regulations. This includes any white water created in the cleaning of the spill.

## **SECTION 7: HANDLING AND STORAGE**

### **HANDLING AND STORAGE:**

Protect from freezing. Rotate all stock. Store in a cool, dry place. Keep away from food, feed, or drinking water. Keep container closed when not in use.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE LIMITS:**  
**ETHYLENE GLYCOL:** 100 ppm Ceiling ACGIH

**PERSONAL PROTECTION:** None required

**RESPIRATORY PROTECTION:** Use with adequate ventilation. None needed if concentrations are kept below the listed exposure limits.

**SKIN PROTECTION:** Chemical resistant gloves are recommended for prolonged exposure. Clothing should be such that it protects skin from direct contact with sealant.

**EYE PROTECTION:** Safety glasses with side shields (ANSIZ87.1 or approved equivalent).

**OTHER PROTECTIVE EQUIPMENT:** None required.

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

**APPEARANCE:** Paste consistency. White when wet, dries clear.  
**ODOR:** Sweet Acrylic, with a mild ammonia odor  
**PHYSICAL STATE:** Paste  
**pH AS SUPPLIED:** 7.5 - 9

<b>BOILING POINT:</b>	> 200°F
<b>FREEZING POINT:</b>	< 32°F
<b>VAPOR PRESSURE (mmHg):</b>	25 mm Hg @ 68°F
<b>VAPOR DENSITY (AIR = 1):</b>	> than 1
<b>EVAPORATION RATE:</b>	Slower than Ether
<b>WATER SOLUBILITY:</b>	Dispersible
<b>WEIGHT PER GALLON:</b>	8. – 10 Lbs/Gallon.
<b>% VOLATILE BY VOLUME:</b>	30-50%
<b>Non-chemically curing Sealant VOCs (less exempt solvents)</b>	< 1.5%

## **SECTION 10: STABILITY AND REACTIVITY**

**STABILITY:** Stable (keep below 200°F)

**CONDITIONS TO AVOID:** Store away from strong oxidizers

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizers

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None known

**HAZARDOUS POLYMERIZATION:** Will not occur

## **SECTION 11: TOXICOLOGICAL INFORMATION**

**ACUTE DATA:** No toxicity data are available for this material. Section 3 is based on profiles of similar materials.

## **SECTION 12: ECOLOGICAL INFORMATION**

Latex dispersions will color water a milky white, but no bio-concentration is expected because of the high molecular weight.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** All waste must be disposed in accordance with Federal, State, and Local Regulations (see 40 CFR Part 268).

## **SECTION 14: TRANSPORT INFORMATION**

**DOT Shipping Name:** Not a D. O. T. Regulated Material

**DOT Hazard Class:** None

**DOT UN / NA Number:** None

**Packaging Group:** None

## **SECTION 15: REGULATORY INFORMATION**

**OSHA Hazard:** **29 CFR 1910.1200** Not a hazardous chemical as defined by this standard.

**SARA Title III:** **Section 313 Information (40CFR 372)** This product does not contain a chemical which is listed in Section 313 at or above “deminimis” concentrations.

**CERCLA:** **Information (40 CFR 302.4)** Releases of this material to air, land, or water are not (to the best of our knowledge) reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

**Waste Classification:** When a decision is made to discard this material as supplied, it is classified as a RCRA non-hazardous waste.

**TSCA Status:** All chemical substances in this product are included on, or exempted from, listing on the TSCA Inventory of Chemical Substances.

**California Prop 65:** This product contains trace amounts of components known to the state of California to cause cancer.

**Pennsylvania (worker and community right to know act):** The following components are cited in the Pennsylvania Hazardous Substances List, and are present at levels that require reporting.

Ethylene Glycol                      107-21-1                      > 2%

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

**OTHER INFORMATION:** Keep out of reach of children. Keep container closed when not in use.

**Warning: Although there is no lead in this product:** scraping, sanding, or removing old paint may release lead dust. LEAD IS TOXIC. Exposure to lead dust can cause serious illness. This can include brain damage, especially in children. Pregnant women are also particularly at risk, and should avoid exposure. Always use a NIOSH approved respirator to control lead exposure. Clean up area with a HEPA vacuum and a wet mop. Before starting any project that may expose individuals to paint dust, find out how to protect yourself, your co-workers, and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD.

**Hazardous Materials Identification System (HMIS)**  
**Health Flammability Reactivity Personal Protection**  
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