



# ecocrete

## Floor Coating Systems

### SAFETY DATA SHEET

Item No. UCB01-02

#### SECTION 1: IDENTIFICATION

**PRODUCT NAME:** Urethane-CR Part B  
**CHEMICAL FAMILY:** Aliphatic Polyisocyanate  
**RECOMMENDED USE:** Concrete Sealer

**MANUFACTURER'S NAME:** Ecocrete Coatings, Inc.  
**ADDRESS:** 258 East 10<sup>th</sup> Dr. Ste 104, Mesa, AZ 85210  
**INFORMATION PHONE:** 480.361.6887  
**EMERGENCY CONTACT:** (CHEMTREC) 800.424.9300

#### SECTION 2: HAZARD(S) IDENTIFICATION

**HAZARD CLASSIFICATION:** Flammable  
**SIGNAL WORD:** DANGER!  
**HAZARD STATEMENT:** Chronic contact may result in skin, respiratory tract and eye irritation and/or burns.

**PICTOGRAMS:**



**PRECAUTIONARY STATEMENTS:** **HARMFUL IF SWALLOWED. FLAMMABLE!** Keep away from heat and sparks. No smoking. Wear protective gloves. Wear eye or face protection. Avoid extreme temperatures and electrostatic discharge. **VAPORS HARMFUL.** Use outdoors or with adequate ventilation. If you start to experience any of the following: dizziness, headache or watery eyes, increase fresh air, wear respiratory protection or leave the area. Avoid contact with skin and eyes. Wash hands thoroughly after use. Keep container closed when not in use.

**POTENTIAL HEALTH EFFECTS:**  
EYE – Irritation, burning, watery eyes, swelling, redness.  
SKIN – Irritation, rash, burns.  
INHALATION – Can cause irritation to the eyes, nose, throat and respiratory tract. Significant, prolonged or repeated exposure may cause damage to the respiratory system.  
INGESTION – Harmful if ingested. Can cause irritation or damage to the digestive system.



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CHRONIC – Repeated or overexposure may cause irritation or sensitization.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS#	EXPOSURE LIMITS
Hexane, 1,6-diisocyanato-, homopolymer	>70 - <80%	28182-81-2	0.5 mg/m <sup>3</sup>
1-methoxy-2-propylacetate	>10 - <15%	108-65-6	150 ppm
Xylene	>10 - <15%	1330-20-7	100 ppm
ethylbenzene	>1 - <5%	100-41-4	100 ppm

#### SECTION 4: FIRST-AID MEASURES

- EYE:** Hold eyelids apart and rinse cautiously and thoroughly with water. Seek medical attention.
- SKIN:** Rinse contaminated skin immediately with plenty of water and soap. Remove contaminated clothing and wash before reuse. If irritation persists, seek medical attention.
- INHALATION:** Remove person to fresh air. Seek medical attention.
- INGESTION:** Rinse mouth. DO NOT induce vomiting. Call Poison Control Center.

#### SECTION 5: FIRE-FIGHTING MEASURES

- FLASH POINT:** 102° F      **UEL:** 10.8      **LEL:** 1.0      **VAPOR DENSITY:** N/E
- COMBUSTION PRODUCTS:** Isocyanate vapors or other fumes
- SPECIAL HAZARDS:** Firefighters should wear full protective clothing and a Self-contained breathing apparatus (SCBA). Use DOT Response Guide #127.
- EXTINGUISHING MEDIA:** Use foam, dry chemical.
- FIRE FIGHTER INSTRUCTIONS:** Wear full gear and SCBA. Stay upwind and keep out of low areas.
- FIRE & EXPLOSION HAZARD:** Containers may explode when heated. Run off to sewers may cause fire or explosions. Vapors harmful.



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#### SECTION 6: ACCIDENTIAL RELEASE MEASURES

**SPILL OR LEAK:** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling product must be grounded. Do not touch or walk through spilled material. Wear proper personal protection equipment. Isolate spill area. Keep out of sewer and storm drains. Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to appropriate containers with clean non-sparking tools.

**LARGE SPILL:** Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but may not prevent ignition in closed spaces. Refer to above procedures.

#### SECTION 7: HANDLING AND STORAGE

**HANDLING:** Avoid contact with skin or eyes and breathing vapors by use of personal protective equipment. Do not eat or smoke while handling this product. Wash skin and/or clothing with soap and water after handling or exposure to this product.

**STORAGE:** Store in cool, dry, well-ventilated areas. Keep containers closed when not in use. Avoid points of ignition and excessive heat. Perishable if frozen

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

**EXPOSURE CONTROLS:** For OSHA Personal Exposure Limits (PEL), ACGIH Threshold Limit Values (TLV), or other exposure limits, refer to §3.

**PERSONAL PROTECTION:** GENERAL: Provide adequate ventilation or exhaust to keep airborne concentration to a minimum.

EYE/FACE: Safety glasses, goggles, or face shield.

SKIN: Chemical resistant gloves and clothing.

RESPIRATORY: NIOSH approved respirator with organic vapor/ HEPA filter cartridges.

**ICONS:**



#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear to slightly yellow

**ODOR:** Product specific

**ODOR THRESHOLD:** N/E

**pH:** N/A

**UEL/ LEL:** 10.8/ 1.0

**VAPOR PRESSURE:** 10 mbar @ 68° F

**VAPOR DENSITY:** N/E

**RELATIVE DENSITY:** 1.07 @ 68° F



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<b>MELTING POINT:</b>	N/E	<b>FREEZING POINT:</b>	N/E
<b>SOLUBILITY IN WATER:</b>	Reacts with water	<b>BOILING POINT:</b>	248° F
<b>EVAPORATION RATE:</b>	N/E	<b>FLASH POINT:</b>	102° F
<b>FLAMMABILITY:</b>	Flammable	<b>SPECIFIC GRAVITY:</b>	1.6 @ 68° F
<b>VOLATILE ORGANIC COMPOUND (VOC):</b>	78 g/l	<b>AUTO-IGNITION TEMPERATURES:</b>	797° F

### SECTION 10: STABILITY AND REACTIVITY

<b>CHEMICAL STABILITY:</b>	Stable
<b>INCOMPATIBILITY:</b>	Water, alcohols, amines, substances which contain active hydrogen.
<b>HAZARDOUS POLYMERIZATION:</b>	May occur
<b>HAZARDOUS DECOMPOSITION:</b>	Extreme heat or fire may generate CO, CO <sub>2</sub> , NO <sub>x</sub> , HCN, isocyanate, isocyanic acid, dense black smoke, & other undetermined compounds.

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>ORAL:</b>	N.D.A.
<b>DERMAL:</b>	N.D.A.
<b>INHALATION:</b>	N.D.A.
<b>INGESTION:</b>	N.D.A.
<b>CARCINOGENS UNDER NTP, IARC, OR OSHA:</b>	Regarding ethylbenzene: Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counterpart. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC has listed this substance as group 2B. NTP listed carcinogen.

### SECTION 12: ECOLOGICAL INFORMATION

N.D.A.

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable federal, state, and local laws and regulations.



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### SECTION 14: TRANSPORT INFORMATION

DOT: UN1866, Resin Solution, 3, PGIII

IATA: UN1866, Resin Solution, 3, PGIII

### SECTION 15: REGULATORY INFORMATION

OSHA 29 CFR 1910.1200 (HCS) PICTOGRAMS:



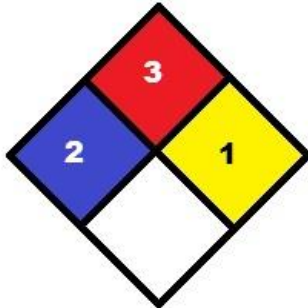
TSCA: Contains listed ingredients

CA PROP 65: Listed

SARA TITLE III: §302: Extremely hazardous  
§311 & §312: Considered to be a Health & Fire Hazard  
§313: Toxic Chemical

NFPA 704:

HMIS:



HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	H

### SECTION 16: OTHER INFORMATION

ABBREVIATIONS: N/A: Not Applicable; N.D.A.: No Data Available; N/E: Not Established

**DISCLAIMER:** The data set forth in this sheet are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. Ecocrete Coatings, Inc. makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereof.