

**MATERIAL SAFETY DATA SHEET**  
**EC-100 UL Top Coat**  
**08/14/08**

**MSDS DATE:**

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** EC-100 UL Top Coat

**MANUFACTURER:** Pro-Tech Products, Inc.  
**ADDRESS:** 3003 N. 73<sup>rd</sup> St.  
 Scottsdale, AZ 85251

**EMERGENCY PHONE:** (800) 538-7303  
**CHEMTREC PHONE:** (800) 424-9300  
**FAX PHONE:** (480) 945-8873

**CHEMICAL FAMILY:** Acrylic Elastomeric Roof Coating

**PREPARED BY:** Technical Services

**SUPERCEDES MSDS DATED:** 5/06

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>SARA 313 REPORTABLE</u>
Ethylene Glycol	107-21-1	< 2	Yes
	<u>ppm</u>	<u>mg/m3</u>	
ACGIH TLV CEILING (Aerosol):	n/a	100	

**SECTION 3: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

**ROUTES OF ENTRY:** Inhalation

**POTENTIAL HEALTH EFFECTS**

**EYES:** Can cause moderate irritation, redness, tearing, and blurred vision.

**SKIN:** This product may cause skin irritation upon prolonged or repeat contact. Prolonged or repeated contact can cause moderate irritation, defating or dermatitis.

**INGESTION:** Can cause gastrointestinal irritation, nausea, vomiting, diarrhea and kidney failure.

**INHALATION:** Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache.

**ACUTE HEALTH HAZARDS:** See above

**CHRONIC HEALTH HAZARDS:** See Above

**EFFECTS OF EXPOSURE:** See Above

## CARCINOGENICITY

None

## SECTION 4: FIRST AID MEASURES

- EYES:** Flush with large amounts of water for 15 minutes lifting upper and lower lids occasionally. Seek medical attention.
- SKIN:** Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.
- INGESTION:** If swallowed, give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Consult a physician.
- INHALATION:** Remove person from the contaminated area to fresh air. If breathing is difficult, give Oxygen. Contact physician if symptoms develop.

### NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

Contains Ethylene Glycol. Ethylene glycol is moderately toxic by ingestion. Systemic effects include possible liver and kidney damage. If swallowed, immediate evacuation of the stomach is advisable. Ethanol is an antidote. Its early administration may block the formation of nephrotoxic metabolites of ethylene glycol in the liver. Ethanol should be given orally first in 50% solution, then in a 20% solution. Hemodialysis is necessary.

## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR, UPPER:** n/a  
**(% BY VOLUME) LOWER:** n/a

**FLASH POINT:** n/a

**METHOD USED:** n/a

**AUTOIGNITION TEMPERATURE:** n/a

### NFPA HAZARD CLASSIFICATION

**HEALTH:** 1      **FLAMMABILITY:** 0      **REACTIVITY:** 0      **OTHER:** None

### HMIS HAZARD CLASSIFICATION

**HEALTH:** 1      **FLAMMABILITY:** 0      **REACTIVITY:** 0      **PROTECTION:** see section 8

**EXTINGUISHING MEDIA:** Regular foam, carbon dioxide, or dry chemical. Water may be used to reduce the rate of burning and for cooling containers.

**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus with full face piece operated in a pressure-demand or other positive pressure mode.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep containers cool to prevent rupture. Floor will become slippery if material is released.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition in the presence of air yields carbon monoxide and/or carbon dioxide as well as compounds of Zinc and Aluminum.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Contain and/or absorb spill with suitable material. Collect and dispose in accordance with applicable regulations.

#### SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Keep containers tightly closed. Store in cool, dry, well-ventilated area. Protect from physical damage. Protect from extreme temperatures. Keep out of reach of children.

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

**VENTILATION :** Use with adequate ventilation.

**RESPIRATORY PROTECTION:** None required. An MSHA / NIOSH approved half-mask, air-purifying respirator (or equivalent),  
OR,  
MSHA / NIOSH approved self-contained breathing apparatus (or equivalent) in the positive pressure mode,  
OR,  
MSHA / NIOSH approved full-face piece airline respirator (or equivalent) in the positive pressure mode with emergency escape provisions.

**EYE PROTECTION:** Safety glasses with side shields or chemical splash goggles recommended.

**SKIN PROTECTION:** Chemical protective gloves are recommended to prevent skin contact.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** As needed to prevent skin contact.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** White liquid

**ODOR:** Paint-like odor

**PHYSICAL STATE:** Liquid

**pH AS SUPPLIED:** > 9.0

**BOILING POINT:** 212 °F (100 °C)

**MELTING POINT:** n/a

**FREEZING POINT:** 32 °F (0 °C)

**VAPOR PRESSURE (mmHg):** n/a

**VAPOR DENSITY (AIR = 1):** > 1

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** > 1

**EVAPORATION RATE:** Slower than ether

**SOLUBILITY IN WATER:** Dispersible

**PERCENT SOLIDS BY WEIGHT:** > 60%

**VOLATILE ORGANIC COMPOUNDS (VOC):**

**WITH WATER:** < 0.35 lbs/gal (< 50 g/l)

**SECTION 10: STABILITY AND REACTIVITY**

**STABILITY:** Stable

**CONDITIONS TO AVOID (STABILITY):** Extreme temperatures

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizing agents, strong acids or bases, and selected amines

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Thermal decomposition in the presence of air yields carbon monoxide and/or carbon dioxide as well as compounds of Zinc and Aluminum.

**SECTION 10: STABILITY AND REACTIVITY (cont.)**

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID (POLYMERIZATION):** n/a

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** n/a

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** n/a

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Dispose of in accordance with all Federal, State, and local government regulations.

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION**

Not Restricted

**WATER TRANSPORTATION**

Not Restricted

**AIR TRANSPORTATION**

Not Restricted

**SECTION 15: REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All components are on the Inventory

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** n/a

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** n/a

**311/312 HAZARD CATEGORIES:** n/a

**313 REPORTABLE INGREDIENTS:**

Ethylene Glycol CAS: 107-21-1 < 2% (by weight)

**STATE REGULATIONS:** n/a

INTERNATIONAL REGULATIONS: n/a

**SECTION 16: OTHER INFORMATION**

OTHER INFORMATION: n/a

**PREPARATION INFORMATION:**

PREPARATION DATE: 08/14/08

**SECTION 16: OTHER INFORMATION (cont.)**

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