

MSDS

Material Safety Data Sheet

October 25, 2006

Revised:

PRODUCT NAME: ELASTO-GLAZE™ CRU (A-COMPONENT)

ITEM NUMBER: EGCRU-A

DESCRIPTION: TWO COMPONENT ALIPHATIC POLYURETHANE TOPCOAT (SCAQMD COMPLIANT)

HMIS CODES:	H.*	2	F:	2	R:	0	P:	G
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SECTION I - IDENTIFICATION

MANUFACTURER'S NAME: **Pacific Polymers International, Inc.**

12271 Monarch Street, Garden Grove, CA 92841

Telephone: 714-898-0025

EMERGENCY PHONE NO: 800-424-9300 (CHEMTREC)

SECTION II-HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	ACGIH TLV	OSHA STEL / CEL	LD50/ LC50	WT %
Propylene Glycol Monomethyl Ether Acetate #108-65-6	100 ppm	100 ppm	150 ppm	LD50 (rat, oral/ dermal): >5000mg/kg. LC50 (inhalation, rat): 4345ppm, vapor, 6hrs	< 20%
Polyester Polyol (mixture)	No data	No data	No data	LD50 (oral, rat): >2500mg/kg	<60%
4-Chlorobenzotrifluoride CAS# 98-56-6	No data	No data	25 ppm, 8hr TWA	LD50 (oral)(rat) >6.8g/kg Ld50 (dermal) (rabbit) >2.7 g/kg LC50 (inhalation)(rat) 4479ppm	<25 %

All Chemicals comprising this product are listed on the Toxic Substance Control Act (TSCA) inventory.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	282°F (139°C)
Vapor Density	Greater than air
Vapor Pressure	5.3 mm Hg @ 20°C
Specific Gravity (H2O=1)	1.20 – 1.23
Evaporation Rate	Less than 1.0 (butyl Acetate = 1.0)
Solubility in water	Insoluble, Reacts slowly with water to liberate CO2 gas.
Appearance and odor	Clear liquid mixture, naphthalenic odor, solvent based coating. VOC → 100 gr/liter (minus exempt solvent) (meets SCAQMD rule)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	> 110°F < 122°F (solvent)
Flammable limits in air by volume	LEL: 0.9% : UEL: 10.5%
Extinguishing media	Dry chemical foam, carbon dioxide, halogenated agents. If water is used, use very large quantities. The reaction between water and hot isocyanate can be vigorous.
Special Firefighting Procedures	Eliminate all source of ignition. Avoid contact. Wear self-contained breathing apparatus with full facepiece and protective clothing. During a fire, vapors and other irritating, highly toxic gases may generate by thermal decomposition or combustion. Cold water spray may help minimize risk of rupture of containers that may have pressurized.
Unusual Fire and Explosion Hazards	Vapors of solvent may spread and ignite. High temperature exposure can result to fire. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

SECTION V - REACTIVITY DATA

Stability	Stable under normal conditions of use and storage.
Conditions to avoid	Avoid heat, flames and sparks. Avoid moisture contamination.
Incompatibility (Materials to avoid)	Avoid contact with oxidizers.
Hazardous Decomposition or Byproducts	By fire and Thermal Decomposition: carbon dioxide, carbon monoxide, oxides of nitrogen, dense black smoke and gases related to chlorine and fluorine.
Hazardous Polymerization	Will not occur.

SECTION VI - HEALTH HAZARD DATA

Health risks and symptoms of exposure

Inhalation	May produce symptoms of central nervous system depression that includes dizziness, nausea, headache, loss of balance and drowsiness. May irritate the mucous membranes in the respiratory tract (nose, lungs, and throat) with symptoms of runny nose, sore throat, coughing, chest discomfort, shortness of breath.
Skin Contact	May cause irritation with symptoms of reddening, itching and swelling.
Eye Contact	May cause irritation with symptoms of reddening, tearing, stinging and swelling. May cause temporary corneal injury. Vapors may cause irritation with burning and tearing.
Skin Absorption	No data
Ingestion	May cause damage to the lining of the gastrointestinal tract. Ingestion and/or vomiting may cause aspiration into the lungs resulting in chemical pneumonitis (inflammation of the lungs).

Health hazards (acute & chronic):

CARCINOGENICITY: NONE (NTP? NONE ; IARC MONOGRAPHS: NONE ; OSHA REGULATED: NONE)

Medical conditions generally aggravated by exposure: Prolonged and repeated overexposure may cause CNS depression and damage to liver and kidney. May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

Emergency & First Aid Procedures

Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Use lukewarm water if possible. Keep eyelids wide open to ensure the eye is irrigated. Remove contact lenses if any. Get medical attention.
Skin	Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing and shoes before reuse. If irritation persists, get medical attention.
Inhalation	In case of inhalation, move to an area free from further exposure. Administer oxygen or artificial respiration as needed. Get medical attention immediately. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON UNLESS APPROVED BY A PHYSICIAN.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

SECTION VII - SAFE HANDLING & USE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Personnel must use personal protective equipment. Remove all sources of ignition, including flame, heat and sparks. If required, dike or dam the spilled material and control further spillage. Do not allow spilled material or wash water to enter sewers, surface waters, groundwater systems, and drains. Cover the spill with inert material such as dry sand or earth or absorbent. Collect the spill for disposal.

WASTE DISPOSAL METHOD. Spill collected must be disposed in accordance to federal, local, and state regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Prevent skin and eye contact. Avoid breathing vapors and mist. Store the containers in dry cool area. Avoid moisture contamination. Use with adequate ventilation to keep exposure limits below levels.

OTHER PRECAUTIONS: Individuals with existing respiratory disease such as chronic bronchitis, emphysema or asthma like conditions should avoid contact. Do not drink, eat, or smoke while working with the product. Wash before such an activity. **KEEP AWAY FROM CHILDREN.** Keep away from ignition sources such as fire, flame, sparks etc.

SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear MSHA/NIOSH approved organic vapor or charcoal filtered cartridge respirator. Spray application may require positive pressure supplied air respirator with full facepiece or an air-supplied hood.

VENTILATION: local and or mechanical ventilation

PROTECTIVE GLOVES: Nitrile, neoprene or butyl rubber gloves.

EYE PROTECTION: Chemical resistant goggles must be worn. Chemical safety goggles in combination with a full face shield if a splash hazard exists.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WORK/HYGIENIC PRACTICES: Personnel should wash their hands and face before eating, drinking or using tobacco products. User of the product should educate and train in the safe use and handling of the product. Emergency showers and eye wash stations should be available.

SECTION IX – REGULATORY INFORMATION

Transportation:

DOT Ground: Non-Regulated

Sea (IMDG) and Air Transport (ICAO/IATA)

Resin Solution (Contains Propylene Glycol Monomethyl Ether Acetate and Para-Chlorobenzotrifluoride), Class 3, UN1866, Flammable Liquid, Packaging Group (PG) III.

Sara Title III (Section 313 Toxic Chemical Information):

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
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None Known

California Proposition 65:

The following detectable components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and /or reproductive toxicity.

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
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None Known

HMIS Ratings: Health: 2
Flammability: 2
Reactivity: 0
Protection: G (gloves, goggles, coverall/apron, respirator)

WHMIS Rating (Canada): Class B, Division 3, Class D, Division 2, Subdivision B.

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