

# MSDS

## Material Safety Data Sheet

Revised: June 14, 2000

**PRODUCT NAME: RES-CRETE™ RC 805 [B-COMPONENT]**

**ITEM NUMBER: RC805-B**

**DESCRIPTION: COAL TAR MODIFIED EPOXY / HARDENER COATING SYSTEM.**

HMIS CODES:	H:*	3*	F:	1	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	LD50/LC50	WT %
Triethylenetetra-Amine #112-24-3	No data	No data	No data	LD50: 550-800 mg/kg (rabbit, dermal, skin absorption) LD50: 4340 mg/kg (rat, oral)	< 15%
*Refined Coal Tar Contains mixture of: Coal Tar Pitch #65996-93-2 AND Coal Tar Distillate Blend #65996-92-1 AND Residue (See Section IX	0.2 mg/m <sup>3</sup> (8-hr shift)	0.2 PPM/TWA	No data	No data	>85 %

\*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of title III and of 40 CFR 372.

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

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	>302 °F
Vapor Density	> 1.0 ; [Vapor Pressure: < 1 mm Hg]
Specific Gravity (H <sub>2</sub> O=1)	1.15 (Wt. Per Gallon ◊ 9.60 pounds)
Evaporation Rate	No data (butyl Acetate = 1.0)
Solubility in water	Partially miscible
Appearance and odor	Black color liquid mixture, aromatic with some amine odor, Corrosive Liquid Mixture, VOC ◊ 0.00 grams/liter

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	> 200°F
Flammable limits in air by volume	LEL: no data : UEL: no data
Extinguishing media	Use dry chemical, foam, carbon dioxide or water spray. Water or foam may cause frothing.
Special Fire-fighting Procedures	Keep people away. Isolate fire area and deny unnecessary entry. Contain firewater run-off if possible. Fire water run-off, if not contained may cause environmental damage. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Wear complete fire service protective equipment including full-face MSHA/NIOSH approved self-contained breathing apparatus. Use water to cool fire-exposed containers. Toxic vapors may be given off in a fire.
Unusual Fire and Explosion Hazards	When heated (fire conditions), vapors/decomposition products may be released forming flammable/explosive mixtures in air. Closed containers may explode when exposed to extreme heat (fire).

## **SECTION V - REACTIVITY DATA**

Stability	Stable at typical use temperatures.
Conditions to avoid	Avoid excessive heat, flame, or other ignition sources. Product can decompose at elevated temperatures. Product absorbs carbon dioxide from air. Reaction may form an amine carbamate. Smoke may be generated depending on vapor pressure of mixture.
Incompatibility (Materials to avoid)	Avoid contact with oxidizing materials. Avoid contact with metals such as copper. Copper alloys. Avoid contact with acids, acrylates, halogenated organic ketones.
Hazardous Decomposition or Byproducts	Carbon dioxide, carbon monoxide, aldehydes, nitrogen oxides. Other toxic fumes may be emitted when burned.
Hazardous Polymerization	Will not occur.

## **SECTION VI - HEALTH HAZARD DATA**

### **Health risks and symptoms of exposure**

Inhalation	May cause respiratory sensitization. Excessive exposure may cause irritation to upper respiratory tract. Prolonged and / or repeated contact to high concentration of vapor may result in central nervous system (CNS) effects and possible cardiovascular collapse.
Skin Contact	May cause severe skin burns. Skin contact can result in severe irritation which when accentuated by sunlight may result in a phototoxic skin reaction. Can cause allergic skin reactions.
Eye Contact	May cause severe pain. May cause severe irritation with corneal injury, which may result in permanent impairment of vision, even blindness.
Skin Absorption	No data
Ingestion	May cause gastrointestinal irritation or ulceration. May cause burns to mouth and throat. May cause nausea, vomiting, abdominal pain, and in extreme cases cardiovascular involvement.

### **Health hazards (acute & chronic):**

This product contains coal tar pitch. IARC monographs (volume 35) states that there is sufficient evidence that coal tar pitches are carcinogenic in humans. Additionally, there is sufficient evidence that occupational exposure to coal tars as it occurs during the destructive distillation of coal is casually associated with the occurrence of skin cancers in humans.

Persons with a history of liver, kidney, skin or respiratory disease or exposure to materials harmful to these systems are at a greater than normal risk of developing adverse health effects when working with this product.

**Medical conditions generally aggravated by exposure:** Prolonged and/or repeated skin contact may cause skin disorder. Prolonged and/or repeated inhalation may cause respiratory difficulties, central nervous system (CNS) effects and possible cardiovascular collapse.

### **Emergency & First Aid Procedures**

Eyes	Immediately flush with plenty of water for at least 30 minutes. Keep eyelids open. Consult a physician immediately.
Skin	Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Seek medical aid if irritation persists. Destroy contaminated shoes. Launder contaminated clothing before reuse.
Inhalation	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is labored, give oxygen. Get medical help immediately. Do not give any food or liquids to an unconscious person.
Ingestion	If victim is conscious and alert, give 1 – 2 glasses of water or milk. Get medical help immediately. Keep MSDS handy to help the physician.

## **SECTION VII - SAFE HANDLING & USE INFORMATION**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Absorb material with inert absorbent such as clay, dirt, millsorb and sand. Shovel into dry containers and cover. Clean up residual with non-combustible absorbent material and wash with water. Contain runoff water from going into sewer. Label the waste container properly.

**WASTE DISPOSAL METHOD.** Dispose in accordance to federal, state or local rules and regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Avoid prolonged or repeated breathing of vapors, mists or fumes. Observe good personal hygiene practices and recommended procedures. Application of certain protective creams (sunscreens for coal tar products) before working/several times during work may be beneficial. Keep in closed, labeled container within a cool (well shaded), dry ventilated area. Protect from physical damage. Keep containers closed when material is not in use. Maintain good housekeeping. Avoid sources of ignition such as heat, flame, spark etc.

**OTHER PRECAUTIONS:** DO NOT TAKE INTERNALLY. KEEP AWAY FROM CHILDREN. Wash exposed areas promptly and thoroughly after skin contact and before eating, drinking, and using tobacco products or rest rooms. Read MSDS thoroughly before using the product.

## **SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION**

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

**VENTILATION:** Use only adequate ventilation. Provide sufficient general/local exhaust ventilation to control inhalation exposures. Local exhaust is necessary for use in enclosed or confined spaces.

**PROTECTIVE GLOVES:** Nitrile, neoprene, and butyl rubber gloves.

**EYE PROTECTION:** Chemical tight goggles, full faceshield in addition if splashing is possible.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WORK/HYGIENIC PRACTICES:** Eyewash station and safety showers in the work area. Emergency safety plans if regulations require. Proper training of the usage and application of the products. Wear impervious protective garments such as head/neck cover, aprons, jackets, pants, coveralls, boots, etc. Remove contaminated clothing immediately. Wash skin area with soap and water, and launder clothing before reuse. Contaminated leather items, such as shoes, belts and watchbands should be removed and destroyed.

**SECTION IX – REGULATORY INFORMATION**

**Transportation:** Corrosive Liquid, UN2259, PG III, Class 8  
(Contains: Triethylenetetramine)

**Sara Title III (Section 313 Toxic Chemical Information): [Following chemicals are found in coal tar]**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Benz (a) anthracene	56-55-3	<1.0
Benzo (b) fluoranthene	205-99-2	<1.0
Benzo (k) fluoranthene	207-08-9	<1.0
Benzo (j) fluoranthene	205-82-3	<0.5
Benzo (a) pyrene	50-32-8	<1.0
Dibenzo(a,h) anthracene	53-70-3	<0.5
Indeno (1,2,3-cd) pyrene	193-39-5	<0.5
Phenanthrene	85-01-8	<2.0

**California Proposition 65:**

As per requirements of the Safe Drinking Water & Toxic Enforcement Act of California, USA (1986), the public is warned that materials used in this product may create an exposure to chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. This warning is required by Section 25249.6 of the California Health and Safety Code.

{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.}

Chemical Name                      CAS Number      Concentration  
Same as Above (Sara Title III; Section 313)

**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.