

MSDS

Material Safety Data Sheet

August 14, 2002

Revised:

PRODUCT NAME: NOVA-CRETE™ 100 (B-COMPONENT)**ITEM NUMBER: RCNV-B****DESCRIPTION: TWO-COMPONENT EPOXY CHEMICAL RESISTANT COATING.**

HMIS CODES:	H:	2	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 %
Polyamine Curing Agent #Mixture	N/E	N/E/	N/E	LD50 (rat,Oral): >1200mg/kg	< 55%
Benzyl Alcohol #100-51-6	N/E	N/E	N/E		>45%

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of titleIII 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	> 400°F
Vapor Density	No data (Vapor Pressure \diamond 0.69 mm Hg @ 70F)
Specific Gravity (H2O=1)	1.06 (Wt. Per Gallon \diamond 8.83 pounds)
Evaporation Rate	Slower than butyl Acetate
Solubility in water	Slight (0.1 – 1.0%)
Appearance and odor	Mobile Liquid, amber in color, ammoniacal odor, Alkaline

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	> 200 °F (TCC) ; Fire Hazard Classification (OSHS/NFPA) \diamond Class IIIB
Flammable limits in air by volume	LEL: no data UEL: no data
Extinguishing media	Ignition will give rise to a Class B fire. In case of large fire use: water spray, alcohol foam. In case of small fire use: carbon dioxide, dry chemical, dry sand or limestone.
Special Fire-fighting Procedures	Firefighters should wear butyl rubber boots, gloves, and body suit and a self-contained breathing apparatus.
Unusual Fire and Explosion Hazards	May generate toxic or irritating combustion products. Sudden reaction and fire may result if product is mixed with an oxidizing agent. May generate carbon monoxide gas. May generate toxic nitrogen oxide gases. May generate ammonia gas. Personnel in vicinity and downwind should be evacuated.

SECTION V - REACTIVITY DATA

Stability	This product is stable under normal storage conditions.
Conditions to avoid	No data
Incompatibility (Materials to avoid)	Avoid contact with strong acids, alkalis, reactive metals and strong oxidizing agents.
Hazardous Decomposition or Byproducts	(from burning, heating, or reaction with other materials): Nitrogen oxide can react with water vapors to form corrosive nitric acid. Carbon Monoxide in a fire. Carbon Dioxide in a fire. Ammonia when heated. Nitrogen oxides in a fire. Irritating and toxic fumes at elevated temperatures. Nitric acid in a fire. Nitroamines, aldehydes, organic acid vapor. Oxides of nitrogen gases emitted on decomposition are highly toxic.
Hazardous Polymerization	Will not occur under normal conditions.

SECTION VI - HEALTH HAZARD DATA

Routes of Exposure: Eye Contact, Skin Contact, Ingestion and Skin Absorption.

Exposure Standards: No standards established for the product. Maintain air contaminant concentrations in the workplace at the lowest feasible levels.

Health Hazards: Harmful if swallowed. Mild skin irritant. May cause skin sensitization.

Target Organs: Skin

Signs and Symptoms of Exposure (Acute effects): Contact with skin may cause dryness (defatting), itching and/or rash. Contact with skin causes mild irritation and discomfort. Inhalation of mists may cause irritation in the respiratory tract. Product is absorbed through the skin and may cause nausea, headache and general discomfort.

Signs and Symptoms of Exposure (Possible Longer Term Effects): Repeated and/or prolonged exposure may cause allergic reaction/sensitization. Repeated and/or prolonged exposures may result in: adverse skin effects (such as defatting, rash, or irritation or corrosion). Dryness of nasal passages may be experienced when material is inhaled over a long period of time.

Medical Conditions Generally Aggravated by Exposure: Skin disorders and allergies.

Carcinogens under OSHA, ACGIH, NTP, IARC, Others: This product contains no carcinogens in concentrations of 0.1 percent or greater.

Emergency & First Aid Procedures

Eyes	In case of contact, immediately flush eyes with plenty of cold water for at least 15 minutes while holding eyelids wide open. Obtain medical attention without delay. DO NOT RUB EYES. RUBBING MAY RESULT IN SCRATCHING.
Skin	Remove contaminated clothing. Immediately flush skin with plenty of water. Seek medical attention if irritation develops or persists. Seek medical attention immediately if skin is burned. Launder 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 swallowed, call physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

SECTION VII - SAFE HANDLING & USE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Admix with dry soil, sand or non-reactive absorbent and place in an appropriate chemical waste container. Flush area with water spray. Clean-up personnel must be equipped with protective equipment and clothing.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep away from acids, alkalis, and oxidizers. Keep in cool, dry, ventilated storage and in closed containers. Avoid contact with eyes or skin. When handling, do not eat, drink or smoke.

OTHER PRECAUTIONS: KEEP AWAY FROM CHILDREN. Provide emergency showers and eye wash stations.

SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not required under normal conditions in well-ventilated workplace. However if required, Wear MSHA/NIOSH respiratory protective equipment.

VENTILATION: local and or mechanical exhaust.

PROTECTIVE GLOVES: Neoprene rubber, or cuffed butyl rubber or nitrile rubber gloves.

EYE PROTECTION: Chemical safety glasses or goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WORK/HYGIENIC PRACTICES: Wear coveralls or aprons. Provide Eyewash station and safety showers in the work area. Provide Emergency safety plans if regulations require. Provide proper training of the usage and application of the products.

SECTION IX – REGULATORY INFORMATION**Transportation:**

DOT: Not Regulated

Sara Title III (Section 313 Toxic Chemical Information):

Chemical Name CAS Number Concentration

None Known

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.}

<u>Chemical Name</u>	<u>CAS Number</u>
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None known

HMIS Ratings: Health: 2
Flammability: 1
Reactivity: 0
Protection: G (gloves, goggles, coverall/apron, respirator)

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.