

MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT : RESCRETE RCCR (A-COMPONENT)

MSDS DATE: 11/11/2009

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RESCRETE RCCR EPOXY (A-COMPONENT)
PRODUCT CODES: RCCR-A

MANUFACTURER: PACIFIC POLYMERS, INC.
DIVISION: A DIVISION OF ITW
ADDRESS: 12271 MONARCH STREET, GARDEN GROVE, CA 92841
INFORMATION PHONE: 714-898-0025
FAX NUMBER: 714-898-5687

EMERGENCY PHONE: 1-800-424-9300 CHEMTREC

PRODUCT USE: CHEMICAL RESISTANT EPOXY FLOOR SYSTEM
PREPARED BY: PACIFIC POLYMERS, INC.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	LD50/LC50	WT %
Bisphenol A based Epoxy Resin Mixture #25068-38-6 #25085-99-8	No data	No data	No data	LD50(oral, rat):11.4g/kg LD50(mouse, oral): 15.6g/kg LD50(rabbit, dermal): >20ml/kg	>=85%
Naphtha Petroleum, Heavy Alkylate # 64741-65-7)	5 mg/m ³	5 mg/m ³		LD50 (rat,oral): 34,600mg/kg LD50 (rabbit, dermal): 15,400mg/kg LC50(rat,dose): > 3684 ppm	< 0.5%
Alkyl Glycidyl Ether #68609-97-2	No data	No data	No data	LD: 19200 mg/kg (rat, ingestion) LD50: > 4500 mg/kg (rabbit, dermal)	< =15%
Aromatic 100 # 64742-95-6	100ppm	100ppm/TWA	150ppm	LD: 4.7g/kg (rat, dermal) LC: >3370 ppm/8hrs (rat, inhalation)	< 0.1%
1-methoxy 2-propanol acetate # 108-65-6	50ppm	50 ppm		LD50 (rat,oral): 8532 mg/kg LD50 (dermal, rabbit): > 5000 mg/kg LC(rat, inhalation): > 100ppm	<0.01%

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Colorless to slight yellow liquid mixture. Epoxy Odor. May cause allergic skin reaction. Slightly harmful if absorbed through the skin.

ROUTES OF ENTRY: skin, eye

POTENTIAL HEALTH EFFECTS

EYES: May cause temporary eye irritation. Corneal injury is unlikely

SKIN: Prolonged exposure not likely to cause significant skin irritation. Repeated exposure may cause skin irritation. May cause allergic skin reaction.

INGESTION: Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

INHALATION: Vapors are unlikely due to physical properties. Product may contain minimal amount (< 0.5%) of solvent present on addition of additives.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: skin sensitization

CARCINOGENICITY: no classified as carcinogen.

SECTION 3 NOTES: The above information has been collected using the MSDS of the EPOXY Resin used for the product.

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SECTION 4: FIRST AID MEASURES

EYES: Flush eye with water. Rest eyes for 30 minutes. If redness, burning, blurred vision or swelling persists, consult a physician.

SKIN: Remove contaminated clothing/shoes and wipe excess from skin. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Contaminated clothing and protective equipment that cannot be decontaminated must be destroyed to prevent reuse.

INGESTION: Do not induce vomiting. Have victim rinse mouth with water, then drink sips of water to remove taste from mouth. Get medical advice/attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

INHALATION: Remove person to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. If breathing is labored, give oxygen. Consult a physician immediately. **DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A
(% BY VOLUME) **LOWER:** N/A

FLASH POINT: > 200°F

AUTOIGNITION TEMPERATURE: no data

HMS HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMABILITY:** 1 **REACTIVITY:** 0

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (Helmet with face shield, bunker coats, gloves and rubber boots. Wear a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water

UNUSUAL FIRE AND EXPLOSION HAZARDS: none-known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, aldehydes, acids, and other organic substances may be formed during combustion or elevated (>500F) temperature degradation.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Under normal condition, any leaks or spill will not flow. However a spill should be collected in a waste container. The collected waste can be disposed either by solidifying with the B-Component (Curing Agent) or as is in accordance to regulations. Wear necessary protective equipment and clothing to avoid contact. Dispose the waste properly.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool dry place. Keep away from open flames and high temperatures. Avoid eye and skin contact. Wash with soap and water before eating, drinking, and smoking, applying cosmetics or using toilet facilities. Launder contaminated clothing before reuse. Dispose contaminated clothing and protective equipment if unable to decontaminate. Store the product above 50F and below 90F.

OTHER PRECAUTIONS: KEEP AWAY FROM CHILDREN. Keep away from ignition sources such as fire, flame and sparks.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below any exposure limits.

RESPIRATORY PROTECTION: Wear appropriate respirator when ventilation is inadequate.

EYE PROTECTION: Chemical resistant goggles must be worn. If splashing is suspected, wear full shield with goggles underneath.

SKIN PROTECTION: Butyl-rubber, Nitrile rubber, Neoprene gloves, Impervious gloves, PVC disposable gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period.

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OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Impervious clothing. Full rubber suit (rain gear). Rubber or plastic boots. Long sleeve shirts and trousers without cuffs. Slicker Suit.

WORK HYGIENIC PRACTICES: Discard contaminated leather articles. Provide readily accessible eye wash stations and safety showers. Wash at the end of each workshift and before eating, smoking or using the toilet.

EXPOSURE GUIDELINES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid
Color : clear to straw yellowish
Odor : Mild faint odor
Weight per Gallon: 9.35 lb
Vapor pressure : not available
Specific Gravity : 1.1224 g/cm³ @ 70 °F (21 °C)
pH: no data
Boiling point: 405 °F (207 °C)
Flash point : > 200°F (> 93.33 °C)
Water solubility : none
Solid Content (Weight): > 99.2%

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal storage and application conditions.

CONDITIONS TO AVOID (STABILITY): Potential violent decomposition can occur above 350 °C (662 °F). Generation of gas during decomposition can cause pressure build-up in closed system.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid contact with oxidizing materials, acids and bases. Avoid unintended contact with amines.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide and water.

HAZARDOUS POLYMERIZATION: Will not occur by itself.

CONDITIONS TO AVOID (POLYMERIZATION): Avoid unintended contact with amines.

SECTION 10 NOTES: Note: As such chances of high temperature 350°C are not likely for a violent reaction.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Listed in SECTION 2 ; Ingredients.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Epoxy Resin Information:

- Moderately toxic to aquatic organisms on an acute basis: LC50/EC50: between 1 and 10 mg/liter in most sensitive species.
- Acute LC50 (water flea Daphnia Magna): 1.3 mg/liter
- Acute LC50 (fathead minnow): 3.1 mg/liter
- Toxicity to aquatic species occurs at concentrations greater than water solubility.
- Maximum acceptable toxicant concentration (MATC) in water flea Daphnia Magna: 0.55 mg/liter
- Growth inhibition threshold in bacteria: > 42.6 mg C/L

SECTION 12 NOTES: Above information was extracted from the MSDS of resin used for the product.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of container and unused contents in accordance with federal, state, and local requirements.

SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION:	NOT REGULATED
WATER TRANSPORTATION (IMDG):	NOT REGULATED
AIR TRANSPORTATION (IATA):	NOT REGULATED

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All ingredients used for the product are listed in TSCA inventory
OSHA HAZARD COMMUNICATION STANDARD: This product contains product that is hazardous chemical as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: potential allergic skin reaction

313 REPORTABLE INGREDIENTS: 1,2,4 Trimethylbenzene (CAS# 95-63-6) : < 0.04% (negligible)

STATE RIGHT-TO-KNOW:

New Jersey & Pennsylvania: Naphtha Petroleum, Heavy Alkylate, CAS# 64741-65-7) < 0.5%

California: This product may contain a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

INTERNATIONAL REGULATIONS:

Canadian Regulations:

WHMIS: D2B – Skin Sensitizer

Hazardous Products Act Information: This product contains the following ingredients which are controlled products and/or on the ingredient disclosure list (Canadian HPA section 13 & 14):

Reaction product of epichlorohydrin and bisphenol A (CAS # 25085-99-8/ #25068-38-6)

SECTION 16: OTHER INFORMATION

HMIS Rating

Health : 2

Flammability : 1

Physical hazard : 0

Protection: gloves, goggles, coverall, boots

PREPARATION INFORMATION: November 17, 2009

DISCLAIMER:

A MSDS such as this cannot be expected to cover all possible individual situations. The end user of this product has the responsibility to provide a safe workplace. All aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health and safety information contained herein should be passed on to your customers and/or employees.

The opinions expressed herein are those of qualified experts within Pacific Polymers, Inc. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the use of this product are not within the control of Pacific Polymers, Inc., final determination of suitability of this product is the sole responsibility of the user. It is the responsibility of the user to comply with all applicable Federal, State and Local laws and regulations.