

SAFETY DATA SHEET



Date Prepared : 06/02/2015
SDS No : RB-805B

ResoBond 805 Tie-Coat, White, Part B, Resin

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ResoBond 805 Tie-Coat, White, Part B, Resin
PRODUCT CODE: 501GB
CHEMICAL FAMILY: Epoxy Resin

MANUFACTURER

Resodyn Engineered Polymeric Systems
130 North Main Street
Suite 650
Butte, MT 59701
Emergency Phone: (800)424-9300
Customer Service: 406-497-5288
E-Mail: www.resodyn.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553
CANUTEC (Canadian Transportation) : (613) 996-6666
CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Respiratory Tract Irritation, Category 3
Respiratory Sensitization, Category 1B
Skin Irritation, Category 2
Eye Irritation, Category 2A
Acute Toxicity (Oral), Category 4
Acute Toxicity (Dermal), Category 4

GHS LABEL



Exclamation
mark



Health
hazard

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.
H333: May be harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H319: Causes serious eye irritation.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.

PRECAUTIONARY STATEMENTS

Prevention:

- P264: Wash ... thoroughly after handling.
 P262: Do not get in eyes, on skin, or on clothing.
 P270: Do not eat, drink or smoke when using this product.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P284: [In case of inadequate ventilation] wear respiratory protection.

Response:

- P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
 P302+P352: IF ON SKIN: Wash with plenty of water/...
 P312: Call a POISON CENTER/doctor/...if you feel unwell.
 P320: Specific treatment is urgent (see first aid section on this label).
 P362: Take off contaminated clothing.

Storage:

- P402+P404: Store in a dry place. Store in a closed container.
 P235: Keep cool.

Disposal:

- P501: Dispose of contents/container in accordance with local/national regulations.

POTENTIAL HEALTH EFFECTS

- EYES:** Can cause moderate irritation to inflammation and corneal opacity.
SKIN: Moderate irritation and dryness. Prolonged or repeated exposure may result in sensitization.
INHALATION: Headache, nausea, and irritation to the nose and throat. Prolonged or repeated exposure may cause asthma.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Bisphenol A/epichlorohydrin Resin	< 90	25068-38-6
Oxirane, (chloromethyl)-	< 5	106-89-8

4. FIRST AID MEASURES**EYES:**

Check for and remove all contact lenses. Flush eyes immediately with water or physiological saline for at least 15 minutes while lifting upper and lower lids. Do not use eye ointment. Seek medical attention.

SKIN:

Wash promptly with soap and water. If soaked through clothing, promptly remove clothing and wash skin. Launder clothing before reuse. Discard saturated shoes and leather clothing. For severe exposures, get under safety hower after removing clothing. Do not apply greases or ointments.
 Seek medical attention for incidents of significant exposure or if effects apparent.

INGESTION: If swallowed, seek Medical attention. Induce vomiting as directed by medical personnel. Do not give an unconscious person anything by mouth or induce vomiting.

INHALATION: If difficulty breathing, move to fresh at air once. Apply artificial respiration if breathing has stopped. Seek medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Can cause redness, tearing, Irritation, inflammation and corneal opacity.

SKIN: Moderate irritation and dryness. Prolonged or repeated exposure may result in sensitization.

INHALATION: Headache, nausea, and irritation to nose and throat. Prolonged or repeated exposure may cause asthma.

CHRONIC EFFECTS: Excessive inhalation of nuisance dusts for long periods of time (10 years or more) may reduce breathing capacity and increase susceptibility to lung disease.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Carbon dioxide, foam, dry chemicals, sand, earth, and steam.

HAZARDOUS COMBUSTION PRODUCTS: Combustion products may be toxic.

EXPLOSION HAZARDS: Dusts and aerosols at sufficient concentrations may exhibit explosive characteristics if ignited by static discharge or spark. Exercise care during dusting or misting operations such as grinding or drilling.

FIRE FIGHTING PROCEDURES: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

FIRE FIGHTING EQUIPMENT: Toxic fumes will be evolved when this material is involved in a fire. Self-contained breathing apparatus should be available for fire fighters.

FIRE EXPLOSION: Containers may explode in heat of fire; cool containers with water.

SENSITIVE TO STATIC DISCHARGE: None

SENSITIVITY TO IMPACT: None

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic, unknown organic compounds, carbon dioxide and carbon monoxide during combustion.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Avoid contact with material. Persons not wearing appropriate protective equipment should be excluded from the area of spill until clean-up is complete. Stop spill at source. Dike area to prevent spreading. Remaining product may be taken up by clay, diatomaceous earth or other absorbent and shoveled into disposal containers such as a dumpster or other common garbage receptacle. Residual material may be removed using steam or hot soapy water. Keep spark-producing equipment away from area. Observe environmental regulations and report spills as required to appropriate authorities.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Avoid contact with eyes, skin, and clothing.

For industrial use only!

Harmful if inhaled.

Do not take internally.

May cause irritation.

Do not eat, drink or smoke when using this product.

Wear chemical splash goggles, gloves and protective clothing.

Avoid high ambient temperatures and humidity.

Wash thoroughly after handling.

STORAGE: Store in a cool, dry place.

Keep container closed when not in use.

Store away from direct heat and flame.

Keep away from food and drinking water.

Store out of direct sunlight.

DO NOT SMOKE where product is used or stored.

Store in a well-ventilated place.

Empty containers may have residue and flammable vapors. Do not expose to heat, cut, weld, or puncture empty containers.

Store away from combustible and incompatible materials.
 Ground containers when transferring materials.
 Remove all sources of ignition or sparks from area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Bisphenol A/epichlorohydrin Resin	TWA				10
	STEL		15		
Oxirane, (chloromethyl)-	TWA	5	19	0.5	1.9

ENGINEERING CONTROLS: Provide adequate general or local ventilation to keep vapors below PELs. Control vapor concentration & keep below PEL and accepted TLVs if established. Spark-proof fans are required.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields, chemical resistant goggles, or face shield. Contact lenses should not be worn.

SKIN: Suitable protective gloves (neoprene, butyl rubber, or viton). Clothing should be clean, long-sleeved workclothes. Synthetic apron. Boots. Wash thoroughly before eating, smoking, applying cosmetics, etc. Thoroughly launder work clothes before reuse. Safety shower nearby.

RESPIRATORY: No special requirements under ordinary conditions of use and with adequate ventilation. Self contained breathing apparatus recommended when used in small enclosed areas. Use NIOSH approved respirator with organic vapor cartridge if airborne levels exceed PELs and in emergency situations (e.g. a large spill). If the TLV of any component is exceeded use appropriate respiratory protection or ventilate in accordance with OSH Regulation 29 CFR Part 1910.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling. Safety shower and eyewash station should be within direct access. Keep containers closed.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mild

APPEARANCE: Liquid

COLOR: Various

PERCENT VOLATILE: 2

FLASH POINT AND METHOD: (295°F)

FLAMMABLE LIMITS: NE to NE

VAPOR PRESSURE: 20.3

VAPOR DENSITY: 20.3

BOILING POINT: (352°F)

SOLUBILITY IN WATER: Moderate

SPECIFIC GRAVITY: 1.14

(VOC): 101.500

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: None Expected.

STABILITY: Stable under normal conditions of use and storage.

CONDITIONS TO AVOID: Heat, sparks, static electricity, and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, aldehydes, ketones, acids and various complex hydrocarbons may be formed during combustion.

INCOMPATIBLE MATERIALS: Avoid contact with acids, acidic catalysts, strong oxidizers, strong Lewis and mineral acids.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: No data is available on the product itself.

Notes: Components:

Epichlorhydrin LD50 (mouse): 250 mg/kg

ORAL LD₅₀: No data is available on the product itself.

Notes: Components:

Epichlorhydrin LD50 (rat): 90 mg/kg

EYE EFFECTS: Irritant.

SKIN EFFECTS: Irritant.

CARCINOGENICITY

Notes: Does not contain any substances greater than 0.1% listed by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration), ACGIH (American Conference for Governmental Industrial Hygienists) or EU (European Union)

IRRITATION: Eye, Skin and Inhalation Irritant.

SENSITIZATION: Skin and Respiratory sensitizer.

REPRODUCTIVE EFFECTS: This product contains Epichlorhydrin which may damage fertility or harm the unborn child.

TERATOGENIC EFFECTS: No Data Available

MUTAGENICITY: No Data Available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available. Contact Env. Dept.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

EMPTY CONTAINER: Empty containers must be handled with care due to product residue. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained (less than one inch of residue), properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated Paint & related material, compounds.

PRIMARY HAZARD CLASS/DIVISION: Not Regulated

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitization by inhalation and skin contact.

S20/21: When using do not eat, drink or smoke.

S22: Do not breathe dust.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S3/9/49: Keep only in the original container in a cool, well-ventilated place.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S60: This material and its container must be disposed of as hazardous waste.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Chronic. Irritant. Toxic.

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: There are no listed chemicals above detection limits in this compound.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Oxirane, (chloromethyl)-	< 5	106-89-8

TITLE III NOTES: None above detection limits.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Oxirane, (chloromethyl)-	< 5	100

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Bisphenol A/epichlorohydrin Resin	25068-38-6
Oxirane, (chloromethyl)-	106-89-8

TSCA STATUS: Components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Oxirane, (chloromethyl)-	< 5	106-89-8

CALIFORNIA PROPOSITION 65: Known to the State of California to cause cancer and reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Act of 1986".

It has not been determined and cannot be ascertained that this product would not expose users to the listed chemicals at the very low level prescribed in the regulations. Therefore, it is the user's responsibility to determine if the percent of the hazardous / carcinogenic ingredients listed elsewhere in the SDS comply with State of California regulations.

Chemical Name	Wt.%	Listed
Oxirane, (chloromethyl)-	< 5	<ul style="list-style-type: none"> ● Cancer ● Male Reproductive

CLEAN WATER ACT: This product does not contain any listed Priority Pollutants.

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitization by inhalation and skin contact.

S20/21: When using do not eat, drink or smoke.

S22: Do not breathe dust.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S3/9/49: Keep only in the original container in a cool, well-ventilated place.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S60: This material and its container must be disposed of as hazardous waste.

WHMIS CLASS: Class D, Division 2, Subdivision A: Materials cause other toxic effects, very toxic material.

DOMESTIC SUBSTANCE LIST (INVENTORY): Components included on inventory

16. OTHER INFORMATION

PREPARED BY: John A Kozak **Date Prepared:** 06/02/2015

HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		G