



# Safety Data Sheet

## RX 3505 (All Mods) Part A

### Section 1. Identification

Product Identifier RX 3505 (All Mods) Part A  
Synonyms N/A  
Manufacturer Stock Numbers N/A

Recommended use Epoxy Resin  
Uses advised against N/A

#### Manufacturer Contact

Address  
Resin Formulators  
18027 Bishop Avenue  
Carson, CA, 90746  
USA

Phone  
(310) 204-6159

Emergency Phone  
(800) 424-9300  
CHEMTREC

Fax  
(310) 202-7247

Email  
sales@evroberts.com

Website  
<http://www.evroberts.com>

### Section 2. Hazards Identification

Classification  
EYE DAMAGE/IRRITATION - Category 2B  
SENSITIZATION - RESPIRATORY - Category 1B  
SENSITIZATION - SKIN - Category 3

Signal Word  
Danger

Pictogram



Hazard Statements

Causes eye irritation  
Inhalation may be irritating, to respiratory system, eyes and skin  
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statements

Response

If experiencing respiratory symptoms: Call a poison center/doctor/ ...  
If eye irritation persists: Get medical advice/attention.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.  
In case of inadequate ventilation wear respiratory protection.  
Wash ...thoroughly after handling.

Storage

N/A

Disposal

Dispose of contents/container to ...

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

No Data Available

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
25068-38-6	bisphenol-A-(epichlorhydrin) epoxy resin	60% - 80%
None	Talc	20% - 30%
None	Titanium Dioxide	1% - 10%

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

First Aid

Inhalation: If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Immediately wash skin thoroughly with soap and water. Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention.

Eye contact: In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Ingestion: Get immediate medical attention. Do not induce vomiting.

Symptoms: See Section 11.

Notes to physician: Treat symptomatically and supportively.

## Section 5. Fire Fighting Measures

### Suitable Extinguishing Media

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Special firefighting procedures: Wear full protective clothing. Wear self-contained breathing apparatus.

Unusual fire or explosion hazards: May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.

Hazardous combustion products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

### Unsuitable Extinguishing Media

N/A

## Section 6. Accidental Release Measures

**Spill and Leak Procedures** Eliminate ignition sources. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on material and shovel up. Prevent entry into sewers and waterways.

## Section 7. Handling and Storage

### Handling and Storage

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.

Skin contact: Remove contaminated clothing and footwear. Wash with soap and water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

Eye contact: In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. If symptoms develop and persist, get medical attention.

Symptoms: See Section 11

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	bisphenol-A-(epichlorhydrin) epoxy resin	N/A	N/A	N/A
	Talc	N/A	N/A	N/A
	Titanium Dioxide	N/A	N/A	N/A

Personal Protective Equipment  
Personal Protection

Goggles, Gloves

Engineering controls: Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.

Respiratory protection: When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.  
Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection: Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

Additional Information

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Yellow
Odor	N/A
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1
Density lbs/Gal	1.13
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
pH	N/A
Melting Point	N/A
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

## Section 10. Stability and Reactivity

### STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: May occur.

Hazardous decomposition products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

Incompatible materials: Keep away from strong oxidizing agents, strong Lewis or mineral acids.

Reactivity: Not available.

Conditions to avoid: Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Do not heat mixed adhesive unless curing surfaces to be bonded. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

## Section 11. Toxicological Information

### Acute Toxicity Data

4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer:

LD50 Oral - Rat - 30,000 mg/kg

LD50 Oral - Mouse - 20,000 mg/kg

LD50 Oral - Rabbit - 19.8 mg/kg

LD50 Dermal - Rat - >1,200 mg/kg

LD50 Dermal - Mouse >1,270 mg/kg

Oxirane, 2-(butoxymethyl):

LD50 Oral - Rat - 1,660 mg/kg

LD50 Oral - Mouse - 1,530 mg/kg

LC50 Inhalation - Rat - 1030 ppm/8 h

LD50 Dermal - Rat - >2,150 mg/kg

## Section 12. Ecological Information

### Environmental effects

No known significant effects or critical hazards.

## Section 13. Disposal

### WASTE DISPOSAL METHOD:

Dispose of in accord with local, state and federal regulations

## Section 14. Transport Information

UN Number N/A

UN Proper Shipping Name N/A

DOT Classification N/A  
Packing Group N/A  
Additional Information Not regulated by DOT if a container of 119 gallon capacity or less.

## Section 15. Regulatory Information

**Regulatory Information** SARA 311/312 Classification Immediate (acute) health hazard, Delayed (chronic) health hazard, Fire hazard  
SARA 313 - Supplier Notification

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40CFR Part 372.  
None required.

SARA 302 Extremely Hazardous Substances None required.

California Prop. 65: WARNING: This product contains chemical known to the State of California to cause cancer and or birth defects and other reproductive and Oxirane. (phenoxy methyl)-- 122-60-1. Epichlorohydrin - 103-89-8.

Massachusetts RTK Substances The following components are listed: Oxirane, 2-(butoxymethyl)-,

New Jersey RTK Hazardous Substances The following components are listed: Oxirane, 2-(butoxymethyl)-,

Pennsylvania RTK Hazardous Substances The following components are listed: Oxirane, 2-(butoxymethyl)-,

## Section 16. Other Information

**Revision Date** 2/20/2018

**HMIS Rating (Not Regulated)** The HMIS Rating for this product is:  
Health: 2 Flammability: 2 Reactivity: 0

0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

For Information Purposes Only - No Longer Regulated

**Additional Information** The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication as part of E.V. Roberts' product safety program. It is not intended to constitute performance information concerning the product. No warranty, expressed or implied, or merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein.

To determine applicability or effects of any law or regulation with respect to the

product, user should consult his legal advisor or the appropriate government agency. E.V. Roberts does not undertake to furnish advice on such matters.



# Safety Data Sheet

## RX 3505 (All Mods) Part B

### Section 1. Identification

Product Identifier RX 3505 (All Mods) Part B  
Synonyms N/A  
Manufacturer Stock Numbers N/A

Recommended use Hardner  
Uses advised against N/A

#### Manufacturer Contact

Address  
Resin Formulators  
18027 Bishop Avenue  
Carson, CA, 90746  
USA

Phone  
(310) 204-6159

Emergency Phone  
(800) 424-9300  
CHEMTREC

Fax  
(310) 202-7247

Email  
sales@evroberts.com

Website  
<http://www.evroberts.com>

### Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2B  
SENSITIZATION - SKIN - Category 3

Signal Word Danger

Pictogram





Hazard Statements	Causes eye irritation Inhalation may be irritating, to respiratory system, eyes and skin
Precautionary Statements	
Response	If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Prevention	Wash ...thoroughly after handling.
Storage	N/A
Disposal	N/A
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	No Data Available

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
None	Talc	40% - 60%
25154-52-3	Phenol, nonyl-	30% - 40%
140-31-8	1-Piperazineethanamine	10% - 20%
8021-99-6	Charcoal, bone	1% - 1%

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

First Aid Measures	<p>Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.</p> <p>Skin contact: Remove contaminated clothing and footwear. Wash with soap and water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.</p> <p>Eye contact: In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.</p> <p>Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. If symptoms develop and persist, get medical attention.</p> <p>Symptoms: See Section 11.</p>
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### Section 5. Fire Fighting Measures

Suitable Extinguishing	Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.
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Media

Special firefighting procedures: Wear full protective clothing. Wear self-contained breathing apparatus.

Unusual fire or explosion hazards: May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.

Hazardous combustion products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitroge

Unsuitable Extinguishing Media N/A

**Section 6. Accidental Release Measures**

Spill and Leak Procedures Evacuate immediate area and dike area to contain spill. Extinguish open flames and ignition sources in the immediate area. Wear proper protective clothing, gloves, and splash goggles. Absorb as much spilled material as possible with rags, sand, vermiculite or other absorbent material. Scrape absorbed material into designated waste containers. Wash area thoroughly with detergent and rinse, taking care to prevent runoff into drains or other waterways. All spilled material, absorbed waste and wash water must be disposed of in accordance with all federal, state and local regulations.

**Section 7. Handling and Storage**

Storage Store in a cool, dry place away from strong oxidizers and acids.  
Handling Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. When using, do not eat, drink or smoke.

**Section 8. Exposure Controls/Personal Protection**

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Talc	N/A	N/A	N/A
	Phenol, nonyl-	N/A	N/A	N/A
	1-Piperazineethanamine	N/A	N/A	N/A
	Charcoal, bone	N/A	N/A	N/A

Personal Protective Equipment Goggles, Gloves

Personal Protection Engineering controls: Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.

Respiratory protection: When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.  
Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection: Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Black
Odor	Ammoniacal
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1
Density lbs/Gal	66.5
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
pH	N/A
Melting Point	N/A
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

## Section 10. Stability and Reactivity

<b>Hazardous Decomposition Products</b>	Carbon monoxide, aldehydes and acids may be formed during combustion. Reaction with some curing agents may produce considerable heat.
<b>Chemical Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Avoid heat, flames, sparks and other sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas. Avoid exposure - obtain special instructions before use.

## Section 11. Toxicological Information

<b>Acute Health Hazard</b>	Ingestion: LD50: > 500 mg/kg (Rat) (estimated)
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Inhalation:  
No data available

Inhalation - Components:  
Benzyl alcohol - LC50 (4 h): > 4,178 mg/l (Rat)  
Benzyl dimethylamine - LC50 (4h): 373 ppm (Rat)

Skin:  
No data available

Skin - Components  
Aminoethyl piperazine, 1-(2-, (AEP) - LD50: 880 mg/kg (Rabbit)  
Phenol, 4,4'-(1-methylethylidene)bis- - LD50: 3,600 mg/kg (Rabbit)  
Nonylphenol - LD50: 2,033 mg/kg (Rabbit)  
Benzyl alcohol - LD50: 2,000 mg/kg (Rabbit)

Eye Irritation/corrosion: Severe Eye Irritation

Acute dermal irritation/corrosion: Severe skin irritation

## Section 12. Ecological Information

### Ecological Toxicity

Toxicity to fish - Components  
Benzyl Alcohol - LC50 (96 h): 10 mg/l (Bluegill Sunfish)  
Benzyl Alcohol - LC50 (96 h): 460 mg/l (Fathead Minnow)

Toxicity to Algae - Components:  
Benzyl Alcohol - IC50 (72 h): 700 mg/l (Algae)

Toxicity to other organisms: No Data Available  
Toxicity to fish - Components  
Nonylphenol - LC50 (96 h): 0.128 mg/l (Fathead Minnow)

Toxicity to Daphnia - Components:  
Nonylphenol - EC50 (48 h): 0.0848 mg/l (Daphnia)  
Nonylphenol - EC50 (48 h): 0.19 mg/l (Daphnia)

Toxicity to other organisms: No Data Available

## Section 13. Disposal

### WASTE DISPOSAL METHOD:

Dispose of in accord with local, state and federal regulations

## Section 14. Transport Information

UN Number 2735  
UN Proper Shipping Name Amines, liquid, corrosive, n.o.s. (Aminoethyl) piperazine, 1-(2-, (AEP), Nonylphenol )  
DOT Classification 8  
Packing Group III

Transport Information

DOT/CFR (US):  
Proper Shipping Name: Amines, liquid, corrosive, n.o.s.(Aminoethyl) piperazine, 1-(2-,(AEP), Nonylphenol)  
UN Number: UN2735  
Class: 8  
Packing Group: III

IMDG:  
Proper Shipping Name: Amines, liquid, corrosive, n.o.s.(Aminoethyl) piperazine, 1-(2-,(AEP), Nonylphenol)  
UN Number: UN2735  
Class: 8  
Packing Group: III

IATA:  
Proper Shipping Name: Amines, liquid, corrosive, n.o.s.(Aminoethyl) piperazine, 1-(2-,(AEP), Nonylphenol)  
UN Number: UN2735  
Class: 8  
Packing Group: III

CTC:  
Proper Shipping Name: Amines, liquid, corrosive, n.o.s.(Aminoethyl) piperazine, 1-(2-,(AEP), Nonylphenol)  
UN Number: UN2735  
Class: 8  
Packing Group: III

**Section 15. Regulatory Information**

EPA SARA Title III Section 312      EPA SARA Title III Section 313 (40 CFR 372)  
Component above 'de minimus' level:

Phenol, 4,4'-(1-methylethylidene)bis-

Regulatory Information      WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm

**Section 16. Other Information**

Revision Date      2/21/2018

HMIS Rating (Not Regulated)      The HMIS Rating for this product is:  
Health: 3 Flammability: 1 Reactivity: 0

For Information Purposes Only - No Longer Regulated

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