



# Safety Data Sheet

RF 8922 Part A

## Section 1. Identification

Product Identifier      RF 8922 Part A  
Synonyms                N/A  
Manufacturer Stock  
Numbers                N/A

Recommended use      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 2A  
                                 SENSITIZATION - SKIN - Category 1  
                                 SKIN CORROSION/IRRITATION - Category 2

Signal Word              Warning

Pictogram



Hazard Statements

Can cause severe irritation or burns on the skin  
Causes serious eye irritation  
May cause an allergic skin reaction

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.  
If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
If on skin: Wash with plenty of water/ ...  
If skin irritation or rash occurs: Get medical advice/attention.  
Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Specific treatment (see ... on this label)  
Wash contaminated clothing before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.  
Contaminated work clothing must not be allowed out of the workplace.  
In case of inadequate ventilation wear respiratory protection.  
Wash ...thoroughly after handling.  
Wear eye protection/face protection.  
Wear protective Butyl Gloves, Face Shield, Eye Bath and Safety Shower.  
Wear protective gloves.

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	50% - 60%
5026-74-4	Oxiranemethanamine, N-[4-(oxiranylmethoxy)phenyl]-N-(oxiranylmethyl)-	10% - 20%
65997-17-3	Glass, oxide, chemicals	1% - 5%
67762-90-7	Siloxanes and Silicones, di-Me, reaction products with silica	1% - 5%

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

## Section 4. First-Aid Measures

### First Aid

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 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

### Section References

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 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
	Oxiranemethanamine, N-[4-(oxiranylmethoxy)phenyl]-N-(oxiranylmethyl)-	N/A	N/A	N/A
	Glass, oxide, chemicals	N/A	N/A	N/A
	Siloxanes and Silicones, di-Me, reaction products with silica	N/A	N/A	N/A

Personal Protective Equipment  
PPE Default

Goggles, Gloves, Apron

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	Paste
Color	Yellow
Odor	Slight
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1.16
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	93
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

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 you plan to use immediately. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

## Section 11. Toxicological Information

### Toxicology Information

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation: This product may cause slight irritation to the respiratory system.

Skin contact: Prolonged and/or repeated skin contact with this product may cause irritation. This product may cause an allergic skin reaction. Eye contact:

This product may cause irritation to the eyes. Ingestion: Low toxicity. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

## Section 12. Ecological Information

No ecological testing has been conducted on this product.

## Section 13. Disposal

### Disposal

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

## Section 14. Transport Information

UN Number N/A

UN Proper Shipping Name N/A

DOT Classification N/A

Packing Group N/A

### Transportation

International Air Transportation (ICAO/IATA) Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Bisphenol-A Epichlorhydrin resin) Hazard class or division: 9 Identification number: UN 3077 Packing group: III

Water Transportation (IMO/IMDG) Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Bisphenol-A Epichlorhydrin resin,) Hazard class or division: 9 Identification number: UN 3077 Packing group: III Marine pollutant: Bisphenol-A Epichlorhydrin resin, Triglycidyl-p-aminophenol

## Section 15. Regulatory Information

### Regulatory Information

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. TSCA 12 (b) Export Notification: Triglycidyl-p-aminophenol (CAS# 5026-74-4).

CERCLA/SARA Section 302 EHS: None above reporting de minimis.

CERCLA/SARA Section 311/312: Immediate Health, Delayed Health

CERCLA/SARA Section 313: None above reporting de minimis.

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

## Section 16. Other Information

Revision Date

1/13/2018

HMIS Rating (Not Regulated)

The HMIS Rating for this product is:  
Health: 2 Flammability: 1 Reactivity: 0

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

For Information Purposes Only - No Longer Regulated

Disclaimer

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

## RF 8922 Part B

### Section 1. Identification

Product Identifier            RF 8922 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 1  
                                      SENSITIZATION - SKIN - Category 1  
                                      SKIN CORROSION/IRRITATION - Category 1B  
Signal Word                    Danger



Pictogram



Hazard Statements

Causes serious eye damage  
Causes severe skin burns and eye damage  
May cause an allergic skin reaction

Precautionary Statements

Response

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If on skin: Wash with plenty of water/ ...  
If skin irritation or rash occurs: Get medical advice/attention.  
If swallowed: Rinse mouth. Do NOT induce vomiting.  
Immediately call a poison center/doctor/ ...  
Specific treatment (see ... on this label)  
Wash contaminated clothing before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.  
Contaminated work clothing must not be allowed out of the workplace.  
Do not breathe dust/fume/gas/mist/ vapors/spray.  
Wash ...thoroughly after handling.  
Wear eye protection/face protection.  
Wear protective gloves.  
Wear protective gloves/protective clothing/eye protection/face protection.

Storage

Store locked up.

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 %
112945-52-5	Silica Fumes	5% - 10%
7209-38-3	1,4-Piperazinedipropanamine	40% - 50%
4246-51-9	1-Propanamine, 3,3'-[oxybis(2,1-ethanediyloxy)]bis-	10% - 20%
140-31-8	1-Piperazineethanamine	1% - 5%
2855-13-2	Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-	1% - 5%
100-51-6	Benzenemethanol	1% - 5%

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

## Section 4. First-Aid Measures

### First Aid Measures

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 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 nitroge

### Unsuitable Extinguishing Media

N/A

## Section 6. Accidental Release Measures

### Accidental Release

Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

## Section 7. Handling and Storage

## Handling

Handling: For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. For industrial use only.

Storage: For safe storage, store at or below 25 °C (77°F) Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Silica Fumes	N/A	N/A	N/A
	1,4-Piperazinedipropanamine	N/A	N/A	N/A
	1-Propanamine, 3,3'-[oxybis(2,1-ethanedioxy)]bis-	N/A	N/A	N/A
	1-Piperazineethanamine	N/A	N/A	N/A
	Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-	N/A	N/A	N/A
	Benzenemethanol	N/A	N/A	N/A

### Personal Protective Equipment

N/A

### 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	Blue
Odor	Rubber-like
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1.02
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A

Flash Point	93
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

VOC

VOC content: < 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-91] (estimated)

## Section 10. Stability and Reactivity

Stability

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 you plan to use immediately. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

## Section 11. Toxicological Information

Toxicological

Relevant routes of exposure: Skin, Inhalation, Eyes  
Potential Health Effects/Symptoms

Inhalation: Mists, vapors or liquid may cause severe irritation or burns. May be harmful if inhaled. Skin contact: This product is severely irritating to the skin and may cause burns. This product may cause an allergic skin reaction. Eye contact: This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness. Ingestion: Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly

the digestive tract. May be harmful if swallowed.

## Section 12. Ecological Information

No ecological testing has been conducted on this product.

## Section 13. Disposal

### Disposal

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

## Section 14. Transport Information

UN Number	2795
UN Proper Shipping Name	Amines, liquid, corrosive, n.o.s. (Substituted piperazine, Diethyleneglycol aminopropyl ether)
DOT Classification	8
Packing Group	II
Transportation	International Air Transportation (ICAO/IATA)
	Proper shipping name:
	Amines, liquid, corrosive, n.o.s. (Substituted piperazine, Diethyleneglycol aminopropyl ether)
	Hazard class or division: 8
	Identification number: UN 2735 Packing group: III
	Water Transportation (IMO/IMDG)
	Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Substituted piperazine, Diethyleneglycol aminopropyl ether)
	Hazard class or division: 8
	Identification number: UN 2735
	Packing group: II

## Section 15. Regulatory Information

## Regulatory Information

### United States Regulatory Information

#### TSCA 8 (b) Inventory Status:

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. TSCA 12 (b) Export Notification: None above reporting de minimis

#### CERCLA/SARA Section 302 EHS:

None above reporting de minimis. CERCLA/SARA Section 311/312: Immediate Health, Delayed Health CERCLA/SARA Section 313: None above reporting de minimis.

#### California Proposition 65:

No California Proposition 65 listed chemicals are known to be present.

### Canada Regulatory Information

#### CEPA DSL/NDSL Status:

All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

## Section 16. Other Information

### Revision Date

1/16/2018

### HMIS Rating (Not Regulated)

The HMIS Rating for this product is:  
Health: 1 Flammability: 0 Reactivity: 0

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

### Disclaimer

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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.