



# Safety Data Sheet

RF 2433 (Mod 3)

## Section 1. Identification

Product Identifier RF 2433 (Mod 3)  
Synonyms Epoxy resin  
Manufacturer Stock Numbers 31908

Recommended use Modified Epoxy Resin  
Uses advised against Reacts with acids. Avoid strong acids, strong bases, strong oxidizers, amines, mercaptans Avoid high temperatures, flames and contact with strong oxidizing agents.

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 ACUTE TOXICITY - DERMAL - Category 4  
ACUTE TOXICITY - INHALATION - Category 4  
ACUTE TOXICITY - ORAL - Category 5  
EYE DAMAGE/IRRITATION - Category 2B  
Signal Word Warning

Pictogram



Hazard Statements

Causes eye irritation  
Harmful if inhaled  
Harmful in contact with skin  
May be harmful if swallowed

Precautionary Statements

Response

Call a poison center/doctor/ ... /if you feel unwell.  
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: Remove person to fresh air and keep comfortable for breathing.  
If on skin: Wash with plenty of water/ ...  
Specific treatment (see ... on this label)  
Take off immediately all contaminated clothing and wash it before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wash ...thoroughly after handling.  
Wear protective Butyl Gloves, Face Shield, Eye Bath and Safety Shower.

Storage

N/A

Disposal

Dispose of contents/container to ...

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Emergency Overview

Warning:  
Can cause skin irritation, eye irritation, and allergic skin reaction.

Primary Routes of Entry

Dermal

MSDS

Read the entire MSDS for a more thorough evaluation of the hazards.

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
7631-86-9	Fumed Silica	<10 %
41638-13-5	Oxirane, 2,2'-[oxybis[(methyl-2,1-ethanediyloxy)methylene]]bis-	>5 %
28064-14-4	Phenol, polymer with formaldehyde, glycidyl ether	>80 %

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

## Section 4. First-Aid Measures

Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical attention
Skin	Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
Inhalation	Remove person to fresh air. If signs/symptoms develop, get medical attention.
Eye Contact	Immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists repeat flushing and obtain medical attention IMMEDIATELY.
Overexposure Effects	Can cause skin irritation, eye irritation, and allergic skin reaction.
Medical Conditions Aggravated by Exposure	Allergy, eczema or skin conditions.
Additional Information	Promptly remove wet contaminated non-impervious clothing. Was before reuse.

## Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Flash Point: >200°F (93°C) Extinguishing media: Use alcohol foam, carbon dioxide, dry chemical or water spray when fighting fires involving this material.  Protective Equipment: Use self-contained breathing apparatus and full protective clothing (Bunker Gear).  Fire and Explosion Hazards: Decomposition and combustion products may be toxic.
Unsuitable Extinguishing Media	N/A

## Section 6. Accidental Release Measures

Major Spills Accidental Release Measures	For Major Spills, call CHEMTREC at 1-800-424-9300 Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water.
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## Section 7. Handling and Storage

Signal Word	Warning!
Precautions	Can cause skin irritation, eye irritation, and allergic skin reaction. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage Information	Store in cool, dry area in closed containers.
Ventilation and Engineering controls	Store material in a cool dry place with adequate ventilation.
Respiratory Protection	Not ordinarily required. If resin is warmed or heated, vapors or mists may be produced. In such cases, use a NIOSH-approved respirator as required to prevent overexposure. In accord with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.
Eye Protection	Wear safety glasses or goggles as appropriate
Gloves	Wear chemical-resistant gloves and other clothing as required to minimize skin contact
Other Clothing and Equipment	Avoid prolonged or repeated contact with the skin. Wear chemical-resistant gloves and other clothing as required to minimize skin contact.
Hygienic Practices	Laundry contaminated clothes before wearing. Do not smoke or eat where this material is being used. Wash hands before smoking, eating or going to the bathroom
Other Handling Information	Use ventilation as required to control vapor concentrations. Protective measures during maintenance of contaminated equipment: Same as above.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Fumed Silica	N/A	10 mg/m <sup>3</sup> , TLV-TWA, N/A Inhalation	
	Oxirane, 2,2'-[oxybis[(methyl-2,1-ethanediyl)oxymethylene]]bis-	N/A	N/A	N/A
	Phenol, polymer with formaldehyde, glycidyl ether	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves, CHEMICAL GOGGLES, VENTILATION			
Personal Protective	Wear appropriate equipment to prevent eye or skin contact. Use of barrier cream recommended.			
Skin Protection	Wear impervious gloves for prolonged contact. Wear chemical resistant protective clothing.			
Respiratory Protection	Use a NIOSH/MSHA approved positive pressure air-supplied respirator equipped with a full facepiece, or an air-supplied hood, if airborne concentrations exceed or are expected to exceed the TLV.			
Eye Protection	Wear splash-proof chemical goggles.			
Engineering Controls	Good general mechanical ventilation and local exhaust.			

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	N/A
Odor	N/A
Odor Threshold	N/A
Solubility	Insoluble
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1.2
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>200°F (>93°C)
FP Method	N/A
Ph	N/A
Melting Point	N/A
Boiling Point	>200°C (>392°F)
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	>200°C (>392°F)
Auto-ignition Temperature	N/A
Vapor Pressure	>0.001 mmHg at 20°C (68°F)
Vapor Density	N/A

## Section 10. Stability and Reactivity

Conditions to Avoid	Avoid strong acids or bases in bulk and elevated temperatures.
Chemical Stability	Stable under normal conditions.
Incompatibilities	Strong oxidizing materials
Hazardous Decomposition Products	Carbon monoxide, aldehydes and acids may be formed during combustion. Reaction with some curing agents may produce considerable heat.
Hazardous Polymerization	Will not occur

## Section 11. Toxicological Information

Sensitization	Possible in susceptible individuals.
Skin Irritation	Irritant
Eye Irritation	Irritant
Mutagenicity	Ames test with and without microsomal activation positive.

## Section 12. Ecological Information

Ecological Information      No data available.

## Section 13. Disposal

WASTE DISPOSAL METHOD:      Dispose of in accord with local, state and federal regulations

Disposal      Spill response procedures: May burn although not readily ignitable. Use cautious judgment when cleaning up large spills. Large Spills - Wear respirator and protective clothing as appropriate. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; dispose of properly. Flush area with water to remove trace residue. Small Spills - Take up with an absorbent material and dispose of properly.

Preparing wastes for disposal: Solidify with clay or other absorbent in a steel drum. Consult your local authorities for an appropriate disposal facility.

## Section 14. Transport Information

UN Number      N/A  
UN Proper Shipping Name      N/A  
DOT Classification      N/A  
Packing Group      N/A  
DOT      Not hazardous by DOT regulations

## Section 15. Regulatory Information

### Federal Regulations

#### OSHA Status

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### RCRA

Resource Conservation and Recovery act (RCRA):  
Not a hazardous waste under RCRA (40 CFR 26)

#### SARA Title III

Section 304 - CERCLA: Not listed.

#### Sara 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### TSCA 12(b) Components

All chemical components of this product are in compliance with TSCA inventory requirements.

### International Regulations

#### Regulatory for Canada

##### Canadian Regulatory Information

##### CEPA DSL/NDSL Status:

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

### State Regulations

#### California Prop. 65 Components

This product does not contains any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

#### State Regulations

New Jersey RTK Substances - The following is required composition information:

Chemical Name: Phenol, polymer and Formaldehyde, glycidyl ether

Common Name: epoxy Phenol Novolac

CAS Number: 28064-14-4

Pennsylvania RTK Substances - The following is required composition information:

Chemical Name: Phenol, polymer and Formaldehyde, glycidyl ether

Common Name: epoxy Phenol Novolac

CAS Number: 28064-14-4

Comment: Not on Pennsylvania Hazardous Substance List

## Section 16. Other Information

Revision Date

8/27/2015

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

Disclaimer

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