



Safety Data Sheet

RX 4477

Section 1. Identification

Product Identifier RX 4477
Synonyms N/A
Manufacturer Stock
Numbers N/A

Recommended use Formulated Epoxy Resin
Uses advised against N/A

Manufacturer Contact

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

Phone	Emergency Phone	Fax
(310) 204-6159	(800) 424-9300 CHEMTREC	(310) 202-7247

Email	Website
sales@evroberts.com	http://www.evroberts.com

Section 2. Hazards Identification

Classification ACUTE TOXICITY - DERMAL - Category 4
GERM CELL MUTAGENICITY - Category 2
HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD -
Category 3
SENSITIZATION - RESPIRATORY - Category 1B
SENSITIZATION - SKIN - Category 1
SKIN CORROSION/IRRITATION - Category 2
SKIN CORROSION/IRRITATION - Category N/A

Signal Word Danger

Pictogram



Hazard Statements

Can cause severe irritation or burns on the skin
Causes Skin Irritation. May Cause Allergic Reactions.
Harmful in contact with skin
Harmful to aquatic life with long lasting effects
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Suspected of causing genetic defects (state route of exposure if no other routes of exposure cause the hazard)

Precautionary Statements

Response

Call a poison center/doctor/ ... /if you feel unwell.
If experiencing respiratory symptoms: Call a poison center/doctor/ ...
If exposed or concerned: Get medical advice/attention.
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
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 occurs: Get medical advice/attention.
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)
Take off immediately all contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.
Avoid release to the environment
Contaminated work clothing must not be allowed out of the workplace.
Do not eat, drink or smoke when using this product.
Do not handle until all safety precautions have been read and understood.
In case of inadequate ventilation wear respiratory protection.
Obtain special instructions before use.
Wash ...thoroughly after handling.
Wear protective Butyl Gloves, Face Shield, Eye Bath and Safety Shower.
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

Emergency Overview

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

Section 3. Ingredients

CAS	Ingredient Name	Weight %
	Modified Epoxy	20% - 30%
21645-51-2	Aluminum hydroxide (Al(OH)3)	20-40 %
	Epoxy Resin	20-30 %
1071-93-8	Hexanedioic acid, dihydrazide	10% - 20%
1308-06-1	Cobalt oxide (Co3O4)	1-5 %
111-76-2	Ethanol, 2-butoxy-	1-2 %
38668-46-1	1,3,5-Triazine-2,4-diamine, 6-[2-(2-methyl-1H-imidazol-1-yl)ethyl]-	<1 %

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

Section 4. First-Aid Measures

Eye	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with running water for at least 30 minutes, keeping eyelids open.
Skin	Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately.
Note to Physician	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Auto Ignition Temperature: Not Available Decomposition Products: Acrid smoke-fumes/carbon monoxide/carbon dioxide and perhaps other toxic vapors may be released during a fire involving the product. Extinguishing media: Use an extinguishing agent suitable for the surrounding fire. Special Exposure Hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Unsuitable Extinguishing Media	N/A

Section 6. Accidental Release Measures

Personal precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when Ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
Environmental Precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)
Small Spills	Stop leak if without risk. Move containers from spill area. For molten material, allow the product to cool and solidify. Vacuum or sweep up material and place in a designated, labeled appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and Storage

General advice	Ensure good ventilation/exhaustion at the workplace.
Handling	Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid breathing of dust created by cutting, sanding, grinding or machining. Avoid breathing of vapors or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Store in a tightly closed container in a cool, well ventilated area
Shelf Life	6 Months @ 77°F (25°C)
Storage	Refrigeration recommended.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Modified Epoxy	N/A	N/A	N/A
	Aluminum hydroxide (Al(OH) ₃)	N/A	N/A	N/A
	Epoxy Resin	N/A	N/A	N/A
	Hexanedioic acid, dihydrazide	N/A	N/A	N/A
	Cobalt oxide (Co ₃ O ₄)	N/A	N/A	N/A
	Ethanol, 2-butoxy-	N/A	N/A	N/A
	1,3,5-Triazine-2,4-diamine, 6-[2-(2-methyl-1H-imidazol-1-yl)ethyl]-	N/A	N/A	N/A
Personal Protective Equipment	N/A			
Engineering controls	No special ventilation requirements. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.			

Ventilation	Local exhaust ventilation recommended if generating vapor, dust or mist. If exhaust ventilation is not available or inadequate, use NIOSH approved respirator as appropriate.
Respiratory Protection	Wear appropriate respirator when ventilation is inadequate.
Eye protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicated this is necessary to avoid exposure to liquid splashed, mist or dusts.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Skin Protection	Personal protective equipment for the body should be selected based on the task being performed and the risk involved and should be approved by a specialist before handling the product.

Section 9. Physical and Chemical Properties

Physical State	Paste
Color	Black
Odor	N/A
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	Thixotropic
Specific Gravity	1.4
Density lbs/Gal	N/A
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

Chemical Stability	Stable under normal conditions of storage and use.
Hazardous Reactions	Stable under normal use and conditions.
Hazardous Polymerization	May occur in high temperature and in the presence of certain catalysts.

Materials to Avoid	Strong acids and strong oxidizers
Hazardous Decomposition Products	Nitrogen Oxides, Carbon Monoxide, Carbon Dioxide and unknown organics. May evolve molecular weight hydrocarbons.

Section 11. Toxicological Information

Inhalation	No known significant effects or critical hazards.
Ingestion	No data is available on the product itself.
Skin Contact	Moderate irritant. Repeated and/or prolonged contact may cause skin sensitization.
Eye Irritation	Moderate eye irritation.
Chronic Effects	Repeated contact can cause skin sensitization. Preexisting skin, eye and respiratory may be aggravated by exposure to this product.
Mutagenicity	There is no substantial evidence of mutagenic potential.
Teratogenicity and Fetotoxicity	No information is available and no adverse teratogenic embryotoxic effects are anticipated.

Section 12. Ecological Information

	Harmful to fish and other water organisms.
Potential to Bioaccumulate	Unknown.
Biodegradability	No information available
Other Adverse Effects	No known significant effects or critical hazards.

Section 13. Disposal

Disposal	Dispose of completely cured (or polymerized) wastes in a sanitary landfill. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.
	Since regulations vary, consult applicable regulations or authorities before disposal. Do not dump into any sewers, on the ground or into any body of water. All disposal methods must be in compliance with all Federal, State and local laws and regulations. Regulations may vary in different locations. Water characterizations and compliance with applicable laws are the responsibility solely of the waste generator

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
All Regulatory Classification	This product is not regulated by CFR, TDG, IMO, IMDG or IATA

Section 15. Regulatory Information

HCS Classification	Irritating material, Sensitizing material
TSCA Inventory Status	This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances
Sara 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
Sara 311/312 Hazards	None
Additional Information	CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER OR REPRODUCTIVE TOXICITY

Section 16. Other Information

Revision Date	4/23/2018
Disclaimer	<p>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.</p> <p>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.</p>
HMIS Rating (Not Regulated)	<p>The HMIS Rating for this product is: Health: 2 Flammability: 1 Reactivity: 0</p> <p>0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe</p> <p>For Information Purposes Only - No Longer Regulated</p>