



# Safety Data Sheet

## RF 1009 Part A

### Section 1. Identification

Product Identifier      RF 1009 Part A  
Synonyms                N/A  
Manufacturer Stock  
Numbers                 N/A

Recommended use      N/A  
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            ASPIRATION HAZARD - Category 1  
CARCINOGENICITY - Category 2  
FLAMMABLE LIQUIDS - Category 2  
HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD -  
Category 3  
SKIN CORROSION/IRRITATION - Category 2  
TOXIC TO REPRODUCTION - Category 2

Signal Word                Danger

Pictogram



Hazard Statements

Can cause severe irritation or burns on the skin  
Harmful to aquatic life with long lasting effects  
Highly flammable liquid and vapor  
May be fatal if swallowed and enters airways  
Suspected of causing cancer (state route of exposure if no other routes of exposure cause the hazard)  
Suspected of damaging fertility or the unborn child. (state specific effect if known) (state route of exposure if no other routes of exposure cause the hazard)

Precautionary Statements

Response

Do NOT induce vomiting.  
If exposed or concerned: Get medical advice/attention.  
If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If swallowed: Immediately call a poison center/doctor/...  
In case of fire: Use ... to extinguish.  
Remove victim to fresh air and keep at rest in a position comfortable for breathing

Prevention

Avoid release to the environment  
Do not handle until all safety precautions have been read and understood.  
Ground/bond container and receiving equipment.  
In case of inadequate ventilation wear respiratory protection.  
Keep away from heat.  
Keep container tightly closed.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting/.../equipment.  
Use only non-sparking tools.  
Wear protective Butyl Gloves, Face Shield, Eye Bath and Safety Shower.  
Wear protective gloves/eye protection/face protection  
Wear protective gloves/protective clothing/eye protection/face protection.

Storage

Store in a well-ventilated place. Keep cool.  
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 %
	Liquid Polymer	<70 %
	Bisphenol A-Epoxy Resin with Toluene	<3 %
108-88-3	Benzene, methyl-	<2 %

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

## Section 4. First-Aid Measures

Inhalation	Remove patient from exposure, keep warm and at rest
Skin	Remove contaminated clothing. Wash affected areas thoroughly with soap and water. If irritation, redness, or a burning sensation develops and persists, obtain medical advice. Contaminated clothing should be thoroughly cleaned before reuse. Contaminated leather articles can not be decontaminated and should be destroyed.
Ingestion	Do not induce vomiting. Give milk or water. Get immediate medical attention. Careful evacuation of stomach by medical personnel imperative.
Skin	Wash with soap and water. Get medical attention if irritation develops or persists.

## Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use dry sand or earth to smother fire. Extinguishing media: Use alcohol-resistant foam, carbon dioxide, dry chemical or water spray when fighting fires involving this material.
Unsuitable Extinguishing Media	N/A

## Section 6. Accidental Release Measures

Clean-up	Wear a self-contained breathing apparatus and appropriate Personal protection. (See Exposure Controls/Personal Protection section.) Do not flush to sewer. Avoid runoff into storm sewers and ditches which lead to waterways.
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## Section 7. Handling and Storage

Handling	Empty containers retain product residue (liquid and/or vapor) and can be dangerous. 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, properly bunged and promptly returned to a drum reconditioner, or properly disposed of. Do not get on skin and clothing.
Storage	Keep away from heat, sparks, and flame.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Liquid Polymer	N/A	N/A	N/A
	Bisphenol A-Epoxy Resin with Toluene	N/A	N/A	N/A
	Benzene, methyl-	N/A	N/A	N/A
<p>Personal Protective Equipment</p> <p>Hand protection</p>	<p>Goggles, Gloves</p> <p>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.</p> <p>Material of gloves for long term application (Btt&gt;480min):            Butyl-rubber.            Ethyl vinyl alcohol laminate (EVAL)            Nitrile rubber.            Neoprene gloves.            Polyvinyl chloride (PCV)            Gauntlet type</p> <p>Material of gloves for short term/splash application (10min)            Butyl-rubber.            Ethyl vinyl alcohol laminate (EVAL)            Nitrile rubber.            Neoprene gloves.            Polyvinyl chloride (PCV)            Gauntlet type</p>			
Respiratory Protection	<p>Avoid breathing vapors which may be produced under some conditions such as heating or applications of uncured material in large surface areas (e.g., flooring and painting). Avoid breathing aerosols and mists which may be formed by various methods of applications. If exposure may or does exceed occupational exposure limits, use a NIOSH-approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either a full-face, atmosphere-supplying respirator or air-purifying respirator for organic vapors.</p>			
Employers	<p>Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protection equipment for each task performed.</p>			
Ventilation	<p>Local exhaust ventilation recommended if generating vapor, dust or mist. If exhaust ventilation is not available or inadequate, use NIOSH approved respirator as appropriate.</p>			

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	White
Odor	Polysulfide
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	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

Conditions to Avoid      Can react vigorously with strong oxidizing agents, strong Lewis or mineral acids, and strong mineral and organic bases, especially primary and secondary aliphatic amines.

## Section 11. Toxicological Information

Additional Information      None known

## Section 12. Ecological Information

Additional Information      None known

## Section 13. Disposal

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

## Section 14. Transport Information

UN Number      1133  
UN Proper Shipping Name      Adhesives

DOT Classification 3  
Packing Group III

## Section 15. Regulatory Information

California Prop. 65 Components This product contain a chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SARA 313 Toxic Chemicals Toluene  
CAS: 108-88-3  
5-10 % by Wt.

## Section 16. Other Information

Revision Date 11/7/2019

Disclaimer 2 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 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, does not undertake to furnish advice on such matters.

# Safety Data Sheet

## RF 1009 Part B

### Section 1. Identification

Product Identifier RF 1009 Part B  
Synonyms N/A  
Manufacturer Stock Numbers N/A

Recommended use N/A  
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 ACUTE TOXICITY - INHALATION - Category 4  
ACUTE TOXICITY - ORAL - Category 4  
CARCINOGENICITY - Category 1A  
EYE DAMAGE/IRRITATION - Category 2A  
HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD - Category 1  
HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD - Category 1  
SKIN CORROSION/IRRITATION - Category 2  
TOXIC TO REPRODUCTION - Category 1B

Signal Word

Danger

Pictogram



**Hazard Statements**

- Causes serious eye irritation
- Harmful if inhaled
- Harmful if swallowed
- May cause cancer (state route of exposure if no other routes of exposure cause the hazard)
- May damage fertility or the unborn child. (state specific effect if known) (state route of exposure if no other routes of exposure cause the hazard)
- Moderately irritating to skin
- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life

**Precautionary Statements**

**Response**

- Call a poison center/doctor/ ... /if you feel unwell.
- Collect spillage
- If exposed or concerned: Get medical advice/attention.
- 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 swallowed: Call a poison center/doctor/ ... / if you feel unwell.
- Rinse mouth.

**Prevention**

- Avoid breathing dust/fume/gas/mist/ vapors/spray.
- Avoid release to the environment
- Do not eat, drink or smoke when using this product.
- Do not handle until all safety precautions have been read and understood.
- Obtain special instructions before use.
- Use only outdoors or in a well-ventilated area.
- Wash ...thoroughly after handling.
- Wear eye protection/face protection.
- 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 %
1309-60-0	Lead oxide (PbO <sub>2</sub> )	70-80 %
61788-32-7	Terphenyl, hydrogenated	<50 %
1317-36-8	Lead oxide (PbO)	<10 %
26140-60-3	Terphenyl	<10 %
68956-74-1	Polyphenyls, quater- and higher, partially hydrogenated	<10 %



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

**Section 4. First-Aid Measures**

**Inhalation** Hot Vapors may be corrosive to upper respiratory tract. Repeated exposure can cause lung damage. May cause Central Nervous System (CNS). Depression: Obtain medical attention IMMEDIATELY. Treatment is Symptomatic for primary irritation or bronchospasm.

**Skin** Remove contaminated clothing. Wash affected areas thoroughly with soap and water. If irritation, redness, or a burning sensation develops and persists, obtain medical advice. Contaminated clothing should be thoroughly cleaned before reuse. Contaminated leather articles can not be decontaminated and should be destroyed.

**Ingestion** If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Eye** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.

**Section 5. Fire Fighting Measures**

**Suitable Extinguishing Media** Extinguishing media: Use alcohol-resistant foam, carbon dioxide, dry chemical or water spray when fighting fires involving this material.

Vapors can travel to a source of ignition and flash back.

**Unsuitable Extinguishing Media** N/A

**Section 6. Accidental Release Measures**

**Clean-up** Wear a self-contained breathing apparatus and appropriate Personal protection. (See Exposure Controls/Personal Protection section.)

**Section 7. Handling and Storage**

**Handling** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. 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, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

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

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Lead oxide (PbO2)	N/A	N/A	N/A

Terphenyl, hydrogenated	N/A	N/A	N/A
Lead oxide (PbO)	N/A	N/A	N/A
Terphenyl	N/A	N/A	N/A
Polyphenyls, quater- and higher, partially hydrogenated	N/A	N/A	N/A

Personal Protective Equipment

Goggles, Gloves

Skin Protection

The following protective materials are recommended. Gloves - neoprene, nitrile-butadiene rubber, butyl rubber. Thin disposable gloves should be avoided for repeated or long term use. Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH.

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Brown
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	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

Hazardous Decomposition Products

Carbon monoxide, aldehydes, acids and other organic substances may be formed during the combustion or thermal or oxidative decomposition. Reaction with some curing agents may produce considerable heat (exothermic).

Run-A-Way cure reactions may char and decompose the resin system, generating unidentified fumes and vapors which may be toxic.

## Section 11. Toxicological Information

Target organ High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

## Section 12. Ecological Information

Ecological Information Ecological information: Toxic to aquatic organisms

## Section 13. Disposal

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

## Section 14. Transport Information

UN Number 2291  
UN Proper Shipping Name Lead Compound Soluble, N.O.S. Lead Peroxide  
DOT Classification 7.1  
Packing Group III

## Section 15. Regulatory Information

This product contains one or more of the ingredients known to the state of California to cause cancer, birth defects or reproductive harm.

## Section 16. Other Information

Revision Date 11/7/2019

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