



Safety Data Sheet

RF 2022 Mod 3

Section 1. Identification

Product Identifier RF 2022 Mod 3
Synonyms RF 2022 Part A
Manufacturer Stock Numbers 33320 Part A

Recommended use Formulated Epoxy Resin
Uses advised against Can react vigorously with strong oxidizing agents, strong Lewis or mineral acids. In reactions with many curing agents, considerable heat is released.

Manufacturer Contact
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USA

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Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2B
SENSITIZATION - SKIN - Category 1A
SKIN CORROSION/IRRITATION - Category 2

Signal Word Warning
Pictogram



Hazard Statements May be harmful if inhaled

May be harmful if swallowed
 May cause an allergic skin reaction
 May cause sensitization by continuous contact with skin or vapors (especially if heated).
 Moderate eye irritation
 Moderately irritating to 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.
 If skin irritation or rash occurs: Get medical advice/attention.
 Wash contaminated clothing before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.
 Based on product testing product is generally considered to have a low order of acute oral toxicity
 Not likely to produce any adverse effect by inhalation
 Wear protective gloves.

Storage

Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.

Disposal

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 absorbant 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
 Spill Response Procedures: May burn although not readily ignitable. Use cautious judgment when cleaning up large spills.

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
461-58-5	Guanidine, cyano-	1% - 5%
	Mica Inert Filler	40-60%
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	40-60%

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

Section 4. First-Aid Measures

Eye	Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, continue flushing and obtain medical attention immediately Hold eyelids open during flushing
Skin	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash (or discard) clothing and shoes before reuse.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Ingestion	Do NOT Induce Vomiting. In general, no treatment is necessary unless large quantities of product are ingested. However, if conscience, wash out their mouth with water then give 1 or 2 glasses of water to drink. Refer person to medical personnel for immediate attention.
Skin	Pre-existing skin allergies may increase the chance of developing increased allergy symptoms from exposure to this product. Pre-existing skin and eye disorders may be aggravated by exposure to this product.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Extinguishing media: Carbon dioxide, dry chemical, appropriate foam or FOG. If water is used, very large quantities are required. Contain runoff water with temporary barriers.
Unsuitable Extinguishing Media	N/A
Flash Point	Flash Point: 480°F (TOC)
Auto Ignition Temperature	Auto Ignition Temperature: Not Available
Flammable Limits (Lower)	Flammable Limits (Lower): Not Available
Flammable Limits (Upper)	Flammable Limits (Upper): Not Available

Section 6. Accidental Release Measures

Spill Response Procedures May burn although not readily ignitable. Use cautious judgment when cleaning up large spills. Clean up should only be performed by trained personnel. People dealing with major spillages should wear full protective clothing including respiratory protection. Evacuate the area. Shut off source of leak if safe to do so. Prevent further leakage, spillage or entry into drains. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbant suck 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 7. Handling and Storage

Handling	Use 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

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Guanidine, cyano-	N/A	N/A	N/A
	Mica Inert Filler	N/A	N/A	N/A
	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	N/A	none	N/A
Personal Protective Equipment	Goggles, Gloves, Apron, Respirator, PROTECTIVE CLOTHING, VENTILATION			
Engineering controls	Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit.			
Respirators	This material does not have established exposure limits. Wear a positive-pressure air-supplied respirator in situations where there may be potential for airborne exposure.			
Eye Protection	Chemical safety goggles. If there is a potential for splashing, use a full-face shield.			
Other clothing	The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Nitrile rubber and PVC are not suitable protective materials; Neoprene is recommended.			
Hygienic Practices - Clothing	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			

Section 9. Physical and Chemical Properties

Physical State	Viscous liquid
Color	Light Yellow
Odor	N/A
Odor Threshold	N/A
Solubility	Negligable
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1.1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	480° F
FP Method	TOC
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	1
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 at room temperature
Conditions to Avoid	Can react vigorously with strong oxidizing agents, strong Lewis or mineral acids. In reactions with many curing agents, considerable heat is released.
Compatibility	Incompatible with oxidizing agents
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

Toxicology Information No data

Section 12. Ecological Information

Ecological Information No data

Section 13. Disposal

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	Not Regulated
Packing Group	N/A

Section 15. Regulatory Information

Regulatory This product does not contain chemicals known to the State of California to cause Cancer.

Section 16. Other Information

Revision Date 3/9/2015

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

For Information Purposes Only - No Longer Regulated

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