



Safety Data Sheet

RF 2230 Part A

Section 1. Identification

Product Identifier RF 2230 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 N/A
Signal Word
Pictogram
Hazard Statements N/A
Precautionary Statements
 Response N/A
 Prevention N/A
 Storage N/A

Disposal	N/A
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
68855-54-9	Kieselguhr, soda ash flux-calcined	9-29 %
1309-37-1	Iron oxide (Fe ₂ O ₃)	29-59 %
65997-17-3	Glass, oxide, chemicals	<1 %
11099-06-2	Silicic acid, ethyl ester	.9-4 %

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

Section 4. First-Aid Measures

Additional Information

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

Skin Contact: Wash with soap and water.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Most important symptoms/effects, acute and delayed

Symptoms: Treatment is symptomatic and supportive.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media General Fire Hazards: No data available.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:
All standard extinguishing agents are suitable.

Unsuitable extinguishing media:
No data available.

Specific hazards arising from the chemical:
No data available.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:
No data available.

Special protective equipment for fire-fighters:
Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

Unsuitable Extinguishing Media N/A

Section 6. Accidental Release Measures

Additional Information

Personal precautions, protective equipment and emergency procedures:
Avoid contact with eyes. Curing releases vapors which may be harmful. Keep out of reach of children. Keep container closed. See Section 8 of the SDS for Personal Protective Equipment.

Methods and material for containment and cleaning up:
Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

Section 7. Handling and Storage

Additional Information

Precautions for safe handling: Sensitivity to static discharge is not expected.

Conditions for safe storage, including any incompatibilities:
Keep away from heat, sparks and open flame. Keep container closed.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Kieselguhr, soda ash flux-calcined	N/A	N/A	N/A
Iron oxide (Fe ₂ O ₃)	N/A	N/A	N/A

Glass, oxide, chemicals	N/A	N/A	N/A
Silicic acid, ethyl ester	N/A	N/A	N/A

Personal Protective Equipment
Additional Information

Goggles, Gloves

Appropriate Engineering Controls
Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information: Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for nonroutine or emergency situations.

Eye/face protection: Safety glasses with side shields

Skin Protection Hand Protection: Cloth gloves.

Other: Wear suitable protective clothing and eye/face protection.

Respiratory Protection: If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

Hygiene measures: No data available.

Section 9. Physical and Chemical Properties

Physical State	N/A
Color	N/A
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

Additional Information No data available.

Section 11. Toxicological Information

Additional Information No data available.

Section 12. Ecological Information

Additional Information No data available.

Section 13. Disposal

Additional Information Disposal should be made in accordance with federal, state and local regulations.

Section 14. Transport Information

UN Number N/A
 UN Proper Shipping Name N/A
 DOT Classification N/A
 Packing Group N/A

Section 15. Regulatory Information

Additional Information TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4): None present or none

present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories No SARA Hazards

SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities.

SARA 304 Emergency Release Notification None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65 This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Section 16. Other Information

Revision Date

7/18/2018

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 2230 Part B

Section 1. Identification

Product Identifier RF 2230 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 - ORAL - Category 4

Signal Word Warning

Pictogram



Hazard Statements Harmful if swallowed

Precautionary Statements

Response	If swallowed: Call a poison center/doctor/ ... / if you feel unwell. Rinse mouth.
Prevention	Do not eat, drink or smoke when using this product. Wash ...thoroughly after handling.
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 %
43136-18-1	Distannoxane, 1,1,3,3-tetramethyl-1,3-bis[[[(9Z)-1-oxo-9-octadecenyl]oxy]-	60-100 %

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

Section 4. First-Aid Measures

Additional Information

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water.

Inhalation: Move to fresh air.

Skin Contact: Wash area with soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media

General Fire Hazards: No data available.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:
All standard extinguishing agents are suitable.

Unsuitable extinguishing media:
No data available.

Specific hazards arising from the chemical:
No data available.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:
No data available.

Special protective equipment for fire-fighters:
Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

Unsuitable Extinguishing Media N/A

Section 6. Accidental Release Measures

Additional Information Personal precautions, protective equipment and emergency procedures:
Use only in well-ventilated areas. Avoid contact with eyes, skin, and clothing.
Wash hands before eating, drinking, or smoking.

Methods and material for containment and cleaning up:
Wipe, scrape or soak up in an inert material and put in a container for disposal.
Wear proper protective equipment as specified in the protective equipment section. Warn other workers of spill.

Section 7. Handling and Storage

Additional Information Precautions for safe handling: Sensitivity to static discharge is not expected.

Conditions for safe storage, including any incompatibilities:
Keep container tightly closed. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH	OSHA	STEL
		TLV	PEL	
	Distannoxane, 1,1,3,3-tetramethyl-1,3-bis[[9Z]-1-oxo-9-octadecenyl]oxy]-	N/A	N/A	N/A

Personal Protective Equipment Goggles, Gloves

Additional Information

Appropriate Engineering Controls
Use only in well-ventilated areas.

Individual protection measures, such as personal protective equipment

General information: Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for nonroutine or emergency situations.

Eye/face protection: Monogoggles

Skin Protection Hand Protection: Rubber Neoprene Nitrile gloves are recommended.

Other: Wear suitable protective clothing and eye/face protection.

Respiratory Protection: Use approved NIOSH respiratory protection if TLV exceeded or overexposure is likely.

Hygiene measures: No data available.

Section 9. Physical and Chemical Properties
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Physical State	Liquid
Color	Yellow
Odor	Musty
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

Additional Information Reactivity: No data available.

Chemical Stability: No data available.

Possibility of hazardous reactions:
Hazardous polymerisation does not occur.

Conditions to avoid: None known.

Incompatible Materials: Oxidizing agents.

Hazardous Decomposition Products:
In case of fire, gives off (emits): Tin fumes. Carbon dioxide

Section 11. Toxicological Information

Additional Information No data available.

Section 12. Ecological Information

Additional Information No data available.

Section 13. Disposal

Additional Information Disposal should be made in accordance with federal, state and local regulations.

Section 14. Transport Information

UN Number N/A
UN Proper Shipping Name N/A
DOT Classification N/A
Packing Group N/A

Section 15. Regulatory Information

Additional Information US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4): None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards

SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities.

SARA 304 Emergency Release Notification None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical Chemical Identity Threshold Planning Quantity ALKYL TIN CARBOXYLATE (27% as Tin) 10000 lbs

SARA 313 (TRI Reporting) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65 No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act Chemical Identity ALKYL TIN CARBOXYLATE (27% as Tin)

US. Massachusetts RTK - Substance List No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK No ingredient regulated by RI Right-to-Know Law present.

Section 16. Other Information

Revision Date

7/18/2018

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