

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Flex Coat Rod Glue Resin

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Section 1 –Product and company information

Flex Coat Company, Inc.

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Product name: Flex Coat Rod Glue Resin
Product class: Epoxy Resin
Product number: G4, G8, G32, G128

Date prepared: 7/29/2014
Prepared by: Technical department

Section 2 –Hazardous ingredients/identity information

Hazardous components	Cas Reg.no.	Approx Wt.%
Bisphenol A/epichlorohydrin resin	25068-38-6	95.5
C12 and c14 glycidyl ethers	68609-97-2	4.5

Section 3 –Health hazard data

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

Acute Overexposure Effects: May be irritating to the eyes and skin. Contact with hot material can cause thermal burns. May cause skin sensitization.

Chronic Overexposure Effects: Repeated skin contact may cause dermatitis.

Section 4 –Emergency and first aid procedures:

Skin: Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

Eyes: Flush with copious amounts of water for at least 15 minutes. Hold eyelids open to facilitate rinsing. Seek medical assistance immediately.

Ingestion: If swallowed, dilute with sips of water. DO NOT INDUCE VOMITING. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

Inhalation: Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Aggravated Medical Conditions: No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product.

Section 5 –Fire and explosion hazard data

Flash point (method used): 480 F (PMCC)

Flammable limits:

lower explosion limit: Not determined.

upper explosion limit: Not determined.

Extinguishing media: Foam, CO₂, dry chemical, or water spray. Water or foam may cause frothing.

Special fire fighting procedures: Cool unopened containers with water spray to prevent rupture. Do not enter confined fire space without full bunker gear.

Unusual fire and explosion hazards: None expected. Material will not burn unless preheated.

Section 6 –Accidental release measures



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Steps to be taken if material is released or spilled: Keep spectators away. Ventilate area. Avoid contact with skin, eyes or clothing. Stay upwind. Floor may be slippery; spread absorbent material. Clean up any spills immediately. Soak up residue with an adsorbent material. Flush area with water to remove trace residue.

Section 7 –Precautions for safe handling and use

Waste disposal method: Incinerate or landfill; always dispose of waste in accordance with existing federal, state or local environmental regulatory controls.

Precautions to be taken in handling and storing: Store in cool area, keep all containers closed when not in use. Keep away from open flames and high temperatures.

Other precautions: Do not let children use this material without adult supervision.

Section 8 –Control measures

Respiratory protection (specify type): When exposure limits are exceeded, wear NIOSH ammonia approved respirator or mask supplied with external air.

Ventilation: Local exhaust ventilation if generating vapor, dust, or mist. If exhaust ventilation is not available, use MSHA or NIOSH approved respirator as appropriate.

Skin protection: Workers should wash exposed skin several times daily with soap and water. Soiled clothing should be laundered.

Eye protection: Glasses or goggles with splash guards.

Other protective clothing or equipment: As necessary to prevent skin contact.

Work/hygienic practices: Wash hands before eating, smoking, or using restroom.

Exposure limit for product: None established.

Section 9 –Physical/chemical characteristics

Appearance: Colorless viscous liquid.

Odor: Slight.

Boiling point (degrees C): >260

Melting/Freezing point (degrees C): Not determined.

Specific gravity (water=1): 1.17

Vapor pressure: 0.03 mbar at 77C

Solubility in water (%): Negligible.

Section 10 –Reactivity data

Stability Data: Stable.

Incompatibility: Can react vigorously with strong oxidizing agents, strong lewis or mineral acid, and strong mineral and organic bases. Avoid contact with water. Reaction with some curing agents may produce considerable heat and possible violent decomposition.

Conditions/Hazards to Avoid: High temperatures.

Hazardous Decomposition/Polymerization: Does not occur.

Section 11 –Toxicological information

Acute oral toxicity: Low toxicity, LD50 >2000 mg/kg.

Acute dermal toxicity: Low toxicity, LD50 >2000 mg/kg.

Sensitization: May cause skin sensitization.

Carcinogenicity: No evidence.

Section 12 –Ecological information

No data.

Section 13 –Disposal considerations

Waste disposal methods: This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. It is the responsibility of the user to determine if the product meets the RCRA criteria for hazardous waste at the time of disposal. This material should be disposed of in accordance with all local, state and federal regulations.

Section 14 –Transportation information

Department of Transportation information: Not regulated for transport.

Section 15 –Regulatory information

Federal Regulations:

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SARA Title III

Section 302 Extremely Hazardous Substances:

Chemical name	CAS Number	Range in %
None.		

Section 311 Hazardous Catagorization: Acute

Section 313 Toxic Chemicals:

Chemical name	CAS Number	Range in %
None.		

CERCLA 102(a)DOT Hazardous Substances:

Chemical name	CAS Number	Range in %
None.		

TSCA Inventory Status:

This product, or its components, are listed on or exempt from the Toxic Substance Control Act (TSCA).

State Regualtions:

California Proposition 65:

The following detectable components of this product are substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity:

Chemical name	CAS Number	Concentration
Phenyl Glicidyl Ether	122-60-1	<6 PPM

International Regulations:

WHMIS Classification:

Not regulated.

Canadian Inventory Status:

Not regulated.

EINECS Inventory Status:

Not regulated.

Australian Inventory Status:

Not regulated.

Japan Inventory Status:

Not regulated.

Section 16 –Other information

All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his or her own use of the product described herein. Since the actual use by others is beyond Flex Coat's control, no guarantee, expressed or implied, is made by Flex Coat as to the effects of such use, the results to be obtained, or the safety and toxicity of the product.