

Section 7: Handling and Storage

Safety Data Sheet (SDS)

According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Section 1: Identification of the Substance/Mixture and the Company/Undertaking

Product Name: RIOCOAT EHB - Part A

Product Code: RIOCOAT EHB - Part A

Rio Flooring Systems Inc.
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RIO FLOORING SYSTEMS



Section 2: Hazard(s) Identification

GHS Ratings:

Serious Eye Damage/Eye Irritation	Category 2A
Skin Irritation	Category 2
Skin Sensitizer	Category 1
Long Term Hazards to Aquatic Environment	Category 2

GHS Hazards

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H410 - Toxic to aquatic life with long lasting effects

GHS Precautions

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention.
P362 + P364 - Take off contaminated clothing. And wash it before reuse.
P337 + P313 IF eye irritation persists: Get medical advice/attention.
P391 - Collect spillage.
P501 - Dispose of contents/ container to an approved waste disposal plant.



Signal Word: **Danger**

Hmis hazard classification:

Health: 2 flammability: 1 reactivity: 0 personal protective equipment: g

Potential health effects:

Eyes: may cause irritation but no corneal injury is likely.
Skin: may cause irritation or allergic skin response.
Ingestion: this material has a probable low acute oral toxicity.
Inhalation: no guide for control known, however, exposure to heated vapors can cause
Irritation to the nose, throat or mucous membranes.

Health hazards (acute and chronic):

Epoxy resins can cause sensitization by exposure through contact or high concentration of vapor.

Eyes: injury if unlikely but stain for evidence of corneal injury.

Medical conditions generally aggravated by exposure: respiratory conditions or other allergic ailments.

Carcinogenicity

Osha: no ntp: no iarc: no

Section 3: Composition/Information on Ingredients

Chemical Name	CAS number	% By Weight
MODIFIED DIGLYCIDYL ETHER OF BISPHENOL A	25068-38-6	60.0% - 100.00%
ALKYL GLYCIDYL ETHER	68609-97-2	10.0% - 30.00%
Siloxanes and silicones, di-me reactions products with silica (non-hazardous)	67762-90-7	0.1% - 1%
siloxanes and silicones, di-methyl (non-hazardous)	63148-62-9	0.1% - 1%

Section 4: First Aid Measures

After Inhalation: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

After Eye Contact: Flush eyes with water for at least 15 minutes and get medical advice/attention.

After Skin Contact: Take off contaminated clothing promptly. Skin contact will normally cause no more than irritation but wash affected area with soap and water.

After Swallowing: Low in toxicity, induce vomiting only if large amounts of material are ingested, and otherwise do not induce vomiting. In either case consult get medical advice/attention.

Section 5: Firefighting Measures

Suitable Extinguishing Media:

Foam, alcohol foam, CO₂, dry chemical and water fog.

Flammable Limits in the Air: % by volume

Fire-fighting Procedures:

Do not enter confined area without full bunker gear including a positive pressure NIOSH approved self-contained breathing apparatus. Cool all fire exposed containers with water.

Flash Point: 200°F

Method Used: Seta Flash

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:

Wear respirator and protective clothing. Shut off the source at the leak. Remove excess with vacuum truck and take up the remainder with an absorbent such as clay and place in disposal containers. Flush area with water to remove residue.

Section 7: Handling and Storage

Precautions to be taken in handling and storage:

Store in a cool dry place. Seal all partially used containers. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Mixed materials contain the hazards of all the components, therefore, read the msds's of all the components prior to using material. Properly label all containers

Other Precautions:

Avoid all skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles cannot be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to the reuse thereof.

Section 8: Exposure Controls/Personal Protection

Eye and Body Protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with Liquids. Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material. Observe good general hygienic practices.

Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection:

Respiratory Protection:

Use a niosh approved respirator as required to prevent over exposure to vapor in accordance with 29 cfr 1910.134. General exhaust is usually sufficient in lieu of niosh respirator.

Ventilation:

General exhaust is usually sufficient to control vapors and exposure hazards.

Section 9: Physical and Chemical Properties

Physical and Chemical Properties

Appearance and odor:	medium viscosity liquid in clear
Boiling point or range:	200 to 279°F
Vapor density (air = 1):	N.A.
Specific gravity (h ₂ o = 1):	1.1 - 1.2
Evaporation rate:	N.A.
Solubility in water:	Negligible

Odor Threshold:	N.A.
pH:	N.A.
Melting point/freezing point:	N.A.
Vapor Pressure:	N.A.
Auto Ignition Temperature:	N.A.
Partition Coefficient: n-octanol/water:	N.A.
Decomposition Temperature:	N.A.

Section 10: Stability and Reactivity

Product Stability:

Material is stable at standard temperature and pressure.

Conditions to Avoid:

Avoid excessive heat or open flames.

Hazardous Reactions/Polymerization:

Will not occur.

Incompatible Materials:

Can react vigorously with strong oxidizing agents and strong lewis acids or mineral acids.

Hazardous Decomposition Products:

Co₂, aldehydes, acids. Reaction with some curing agents can generate large amounts of heat.

Section 11: Toxicological Information

No data for the product itself.

Component data:

Component CAS# 25068-38-6: Moderate sensitizer, slight eye irritant, moderate skin irritant, Oral LD₅₀ >5000 mg/kg (rat), Dermal LD₅₀ >6000 mg/kg (rabbit)

Component CAS# 68609-97-2: possible sensitizer, eye and skin irritant, Oral LD₅₀ >10000 mg/kg (rat), Inhalation LD₅₀ – no microscopic changes

Section 12: Ecological Information

No data for the product itself.

Component data:

CAS# 25068-38-6: Biodegradability (Modified Sturm Method) 12%, Fish toxicity: Rainbow trout (96hr) LC₅₀ 1.5mg/l, Zebra Fish (96hr) LC₅₀ 2.4 mg/l. Invertebrate Toxicity: Daphnia Toxicity (24hr) EC 50 3.6 mg/l

Section 13: Disposal Considerations

Waste Disposal:

Dispose of the material in a waste disposal site in accordance with local, state, and federal law.

Section 14: Transport Information

U.S. DOT Information:

Not regulated

IMO/IMDG Information:

Commodity Name: Environmentally hazardous substances, liquid, n.o.s. (contains bisphenol a diglycidyl ether polymer)

UN/NA #: 3082

Hazard Class: 9

Packing Group: III

Marine Pollutant: Yes

Section 15: Regulatory Information

No data for the product itself.

Component data:

CAS# 25068-38-6: Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, WHMIS class D2B; Is on the New Jersey Right to Know list; is on the PA Right to Know List;

Component CAS# 68609-97-2: Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, Is on the New Jersey Right to Know list; is on the PA Right to Know List.

Siloxanes and silicones, di-me reactions products with silica: Included on TSCA, EINECS, MITI, ACOIN, and Canadian DSL inventory or lists.

siloxanes and silicones, di-methyl: Included on TSCA, EINECS, MITI, ACOIN, and Canadian DSL inventory or lists.

Section 16: Other Information

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