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: RIO-COAT ERS Part A

Product Code: RIO-COAT ERS Part A

Rio Flooring Systems Inc.
2926 Chester Avenue
Cleveland, OH 44114
United States

www.riofloor.com
info@riofloor.com
(888) 278-2183

Chemtrec:
800-424-9300
703-741-5970

Section 2: Hazard(s) Identification

GHS Ratings:

Skin corrosion/irritation -	Category 2
Serious eye damage/eye Irritation -	Category 2
Skin Sensitizer -	Category 1
Germ cell mutagenicity -	Category 1B
Carcinogenicity -	Category 1B

GHS Hazards

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
Toxic to aquatic life with long lasting effects
Harmful to aquatic life Unknown acute toxicity

GHS Precautions

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
IF exposed or concerned: 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 eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
Store locked up
Dispose of contents/container to an approved waste disposal plant

1.18% of the mixture consists of ingredient(s) of unknown toxicity

Signal Word: Danger

Section 3: Composition/Information on Ingredients

Chemical Name	CAS number	% By Weight
Bis A,Epichlorohydrin Epoxy	25068-38-6	60% - 100%
Benzyl Alcohol	100-51-6	10% - 30%
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidine	57834-33-0	1% - 5%
Mineral Spirits (Rule 66)	64742-47-8	1% - 5%
Aromatic 100	64742-95-6	0.1% - 1%

Section 4: First Aid Measures

After Inhalation: Remove to fresh air.
After Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
After Skin Contact: Wash skin with soap and water.
After Swallowing: Clean mouth with water and drink afterwards plenty of water.
Note to physicians: Treat symptomatically.

Section 5: Firefighting Measures

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards in Case of a Fire: No information available.

Explosion Data:
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters:
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions:
Ensure adequate ventilation, especially in confined areas.

Environmental Precautions:
See Section 12 for additional Ecological Information.

Methods and Materials for Containment and Cleaning up:
Prevent further leakage or spillage if safe to do so. Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

Section 7: Handling and Storage

Advice on safe handling:
Handle in accordance with good industrial hygiene and safety practice.

Incompatible Materials:
None known based on information supplied.

Storage Room Requirements:
Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:
NIOSH IDLH: Immediately Dangerous to Life or Health

Other information: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).
Engineering Controls: Showers.
Eyewash stations.
Ventilation systems.

Eye/face Protection: No special technical protective measures are necessary.
Skin Protection: No special technical protective measures are necessary.

Respiratory Protection:
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Skin Protection: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Physical and Chemical Properties

Physical state	Liquid		
Appearance	N.A.	Odor:	N.A.
Color:	N.A.	Odor threshold:	N.A.
pH	N.A.		
Melting point / freezing point	N.A.		
Boiling point / boiling range	>= 80°C / 176°F		
Flash point	>94°C / >201°F		
Evaporation rate	N.A.		
Flammability (solid, gas)	N.A.		
Flammability Limit in Air			
Upper flammability limit:	N.A.		
Lower flammability limit:	N.A.		
Vapor pressure	N.A.		
Vapor density	N.A.		
Specific Gravity	1.13		
Water solubility	N.A.		
Solubility in other solvents	N.A.		
Partition coefficient	N.A.		
Autoignition temperature	N.A.		
Decomposition temperature	N.A.		
Kinematic viscosity	N.A.		
Dynamic viscosity	N.A.		
Explosive properties	N.A.		
Oxidizing properties	N.A.		
Softening point	N.A.		
Molecular weight	N.A.		
Liquid Density	9.40 lbs/gal		

Bulk density	N.A.
Percent solids by weight	82.2%
Percent volatile by weight	17.8%
Percent solids by volume	80.1%
Actual VOC (lbs/gal)	1.7
Actual VOC (grams/liter)	200.6
EPA VOC (lbs/gal)	1.7
EPA VOC (grams/liter)	200.6
EPA VOC (lb/gal solids)	2.1

Section 10: Stability and Reactivity

Reactivity:
No data available.

Chemical Stability:
Stable under recommended storage conditions.

Conditions to Avoid:
Extremes of temperature and direct sunlight.

Hazardous Reactions/Polymerization:
None under normal processing.

Incompatible Materials:
None known based on information supplied.

Hazardous Decomposition Products:
None known based on information supplied.

Section 11: Toxicological Information

Skin Corrosion/Irritation:
No data available.

Serious Eye Damage/Irritation:
No data available.

Respiratory/Skin Sensitization:
No data available.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Bis A,Epichlorohydrin Epoxy 25068-38-6	= 11400 mg/kg (Rat)	-	-
Benzyl Alcohol 100-51-6	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
Mineral Spirits (Rule 66) 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Aromatic 100 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h

Sensitization: No information available.
Germ cell mutagenicity: No information available.
Carcinogenicity: No information available.
IARC (International Agency for Research on Cancer) Group 3 - Not classifiable as a human carcinogen

Reproductive toxicity: No information available.
STOT - single exposure: No information available.
STOT - repeated exposure: No information available.
Aspiration hazard: No information available.

Numerical measures of toxicity - Product Information
The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

Section 12: Ecological Information

Ecotoxicity: Toxic to aquatic life with long lasting effects

1.26% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Benzyl Alcohol 100-51-6	35: 3 h Anabaena variabilis mg/L EC50	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	23: 48 h water flea mg/L EC50
Mineral Spirits (Rule 66) 64742-47-8	-	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 2.2: 96 h Lepomis macrochirus mg/L LC50 static	4720: 96 h Den-dronereides heteropoda mg/L LC50
Aromatic 100 64742-95-6	-	9.22: 96 h Oncorhynchus mykiss mg/L LC50	6.14: 48 h Daphnia magna mg/L EC50

Persistence and Degradability: No information available.
Bioaccumulation: No information available.

Chemical name	Partition coefficient
Benzyl Alcohol 100-51-6	1.1

Section 13: Disposal Considerations

Waste Disposal:
Disposal should be in accordance with applicable regional, national and local laws and regulations.
Do not reuse container.

US EPA Waste Number: U019 U055 U165 U220 U239

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Section 14: Transport Information

U.S. DOT Information: Not regulated.

IMDG Information: Not regulated.

IATA Information: Not regulated.

Section 15: Regulatory Information

International Inventories:

TSCA	Complies
DSL/NDSL	Complies*
EINECS/ELINCS	Complies*
ENCS	Does not omply*
IECSC	Complies*
KECL	Complies*
PICCS	Complies*
AICS	Complies*

*This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations:

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

US State Regulations:

California Proposition 65
This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
Ethyl Benzene - 100-41-4	Carcinogen
Cumene - 98-82-8	Carcinogen
Toluene - 108-88-3	Developmental
Benzene(including benzene from gasoline) - 71-43-2	Carcinogen Developmental Male Reproductive
Naphthalene - 91-20-3	Carcinogen

U.S. State Right-to-Know Regulations:

Chemical name	New Jersey	Massachusetts	Pennsylvania
Benzyl Alcohol 100-51-6	-	X	X
Xylene 1330-20-7	X	X	-

U.S. EPA Label Information:
EPA Pesticide Registration Number Not applicable

Hazardous air pollutants (HAPS) content:
This product contains no Hazardous Air Pollutants individually at 1% by weight, or greater.

Section 16: Other Information

NFPA	Health hazards 1	Flammability 1	Instability 0	Physical and chemical properties -
HMIS	Health hazards 1 *	Flammability 1	Physical hazards 0	Personal protection X

Chronic Hazard Star Legend * = Chronic Health Hazard

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