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 EMP Primer/Body Part A Product Code: RIOCOAT EMP Part A

Rio Flooring Systems Inc.
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Cleveland, OH 44114
United States

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

Chemtrec:
800-424-9300
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Section 2: Hazard(s) Identification

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Skin sensitizer	1	Skin sensitizer
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity

GHS Hazards

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H340	May cause genetic defects
H350	May cause cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment, see supplemental first aid information.
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P405	Store locked up

P501	Dispose of contents/container in accordance with local/regional/national/international regulations. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

Signal Word: Danger

Section 3: Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	80.00% - 90.00%
Alkyl (C12-14) glycidyl ether	68609-97-2	5.00% - 10.00%
Benzyl alcohol	100-51-6	1.00% - 5.00%
2,4-Pentanediol, 2-methyl-	107-41-5	0.10% - 1.00%
Solvent naphtha, petroleum, light aromatic	64742-95-6	0.10% - 1.00%

Section 4: First Aid Measures

4.1 Description of First Aid Measures

After Inhalation: Supply fresh air. If required provide artificial respiration. Keep patient warm. Consult doctor if symptons persist.

After Eye Contact: Remove contact lens if worn. Rinse opened eye for several minutes unter running water. If symptoms persist, consult a doctor.
After Skin Contact: Immediately wash with wter and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
After Swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting. Call for medical help immediately.
Notes to Physician: Treat symptomatically

Section 5: Firefighting Measures

Flash Point: 150 C (302 F)
LEL: 1.00 UEL:

5.1 Extinguising Media

Alcohol resistant foam
Fire-extinguishing powder
Carbon dioxide

5.2 Special Hazards Arising from the Substance of Mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Hazardous Combustion Products

Carbon oxides

5.4 Advice for Firefighters

Wear self-contained respiratory protective device

5.5 Fire Equipment

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Do not breathe vapors

Avoid contact with skin, eyes and clothing

Remove all non-essential people from the affected area.

Ensure adequate ventilation

Wear protective equipment

6.2 Environmental Precautions: Do not allow to enter sewers/ surface or ground water. Prevent seepage into sewage system, workpits and cellars

6.3 Methods and Materials for Containment and Cleaning Up:

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations

6.4 Reference to Other Sections

For personal protection see Section 8

For disposal information see Section 13.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Do not breath vapour/spray

Do not get in eyes, on skin, or on clothing

Ensure good ventilation/exhaustions at the workplace

Make sure that all applicable workplace limits are observed.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in cool, dry conditions in well sealed receptacles

Keep receptacle tightly sealed. Store in dry conditions.

Protect from humidity and water

Storage temperature 10 - 50 °C

Do not store together with oxidizing and acidic materials.

Requirements to be Met by Storerooms and Receptacles: Observe all local and national regulations for storage of water polluting products.

7.3 Specific End Use(s)

No further relevant information available.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Ingredients with limit values that require monitoring at the workplace:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bis-, homopolymer 25085-99-8	Not Established	Not Established	Not Established
Alkyl (C12-14) glycidyl ether 68609-97-2	Not Established	Not Established	Not Established
Benzyl alcohol 100-51-6	Not Established	Not Established	Not Established
2,4-Pentanediol, 2-methyl- 107-41-5	Not Established	25 ppm Ceiling	NIOSH: 25 ppm Ceiling; 125 mg/m3 Ceiling
Solvent naphtha, petroleum, light aromatic 64742-95-6	Not Established	Not Established	Not Established

Additional Information: The lists that were valid during the creation were used as a basis .

8.1 Exposure Controls

Personal Protective Equipment

General Protective and Hygienic Measures

The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working
Keep away foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin

8.2 Exposure Controls

Personal Protective Equipment

General Protective and Hygienic Measures:

Eye Protection: Safety glasses with side shields. If splashes are likely to occur, wear goggles.
Respiratory Protection: Use suitable respirator protective device in case of insufficient ventilation .
Use suitable respiratory protective device when aerosol or mist is formed.
Protection of Hands: Protective gloves: to avoid skin problems, the glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Material of Gloves: Neoprene, butyl rubber gloves, the selection of the suitable gloves does not only depend on the material, but also on the further marks of quality and varies from manufacturer to manufacturer several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. Penetration time of Glove Material: Protective gloves should be replaced at the first signs of wear. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Vapor Density 3.83	**Vapor Pressure** 0.41 mmHg
VOC 4.1 %	**Boiling Range** 198 to 205 °C, 388 to 402 °F
Specific Gravity (SG) 1.118	**Coating VOC (as supplied)** 0.38 lb/gl
Coating VOC (EPA calculation) lb/gl 0.38	

Section 10: Stability and Reactivity

10.1 Reactivity

Stable under recommeded storage conditions. No decomposition if stored and applied as directed.

UNSTABLE

10.2 Chemical Stability

No decomposition if stored and applied as directed.

No data available

10.3 Possibility of Hazardous Reactions

No data available

Hazardous polymerization will not occur.

Section 11: Toxicological Information

Mixture Toxicity

Inhalation Toxicity LC50: 313mg/L

Component Toxicity

100-51-6 Benzyl alcohol

Oral LD50: 1,230 mg/kg (Rat) Dermal LD50: 2 g/kg (Rabbit) Inhalation LC50: 9 mg/L (Rat)

11.1 Information on Toxicological Effects

Routes of Entry:

No data available

Target Organs:

Eyes **Central Nervous System** **Skin** **Respiratory System**

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS Number	Description	% Weight	Carcinogen Rating
64742-95-6	Solvent naphtha, petroleum, light aromatic	1 to 1.0%	Solvent naphtha, petroleum, light aromatic: EU REACH: Present (P)

Section 12: Ecological Information

12.1 Persistence and Degradability

Product: No further relevant information available

12.2 Bioaccumulative Potential

Product: Bioaccumulation: No further relevant information available

Partition coefficient: n-octanol/water: No further relevant information available

12.3 Mobility in Soil

Product: Distribution among environmental compartments: No further relevant information available.

Additional Ecological Information:

General notes: German Hazard Water Class 1

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.4 Results of PBT and vPvB Assessment

Assessment: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

12.5 Other Adverse Effects

Product: No further relevant information available

12.6 Toxicity

Component Ecotoxicity

Benzyl alcohol	96 Hr LC50 Pimephales promelas: 460 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 10 mg/L [static] 48 Hr EC50 water flea: 23 mg/L
2,4-Pentanediol, 2-methyl-	96 Hr LC50 Pimephales promelas: 10500 - 11000 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 10000 mg/L [static]; 96 Hr LC50 Pimephales promelas: 8690 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 10700 mg/L [static] 48 Hr EC50 Daphnia magna: 2700 - 3700 mg/L
Solvent naphtha, petroleum, light aromatic	96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L 48 Hr EC50 Daphnia magna: 6.14 mg/L

Section 13: Disposal Considerations

13.1 Waste Treatment Methods

Product: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches the chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company. Send to a licensed waste management company.

Contaminated Packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers

Section 14: Transport Information

14.1 UN Number

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
Not	Regulated			

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Country	Regulation	All Components Listed

EU Risk Phrases

Safety Phrase

- None

Section 16: Other Information

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