

# 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-GEL Part A    Product Code: 57-0350-A    Email: info@riofloor.com  
RIO FLOORING SYSTEMS    Phone: 440-510-1803  
23580 St Clair Ave Euclid, OH  
44117 USA    Chemtrec: 1- 800-424-9300  
Chemtrec Global: 1-703-741-5970



## Section 2: Hazard(s) Identification

### GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
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.
H319	Causes serious eye irritation
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
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
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
P337+P313	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 %
Bisphenol-A epoxy resin(number average molecular weight < 700)	25068-38-6	70.00% - 80.00%
Alkyl (C12-14) glycidyl ether	68609-97-2	10.00% - 20.00%
Benzyl alcohol	100-51-6	1.00% - 5.00%
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 symptoms persist.

**After Eye Contact:** Remove contact lens if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After Skin Contact:** Immediately wash with water 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:

UEL:

#### 5.1 Extinguishing 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
Bisphenol-A epoxy resin (number average molecular weight < 700) 25068-38-6	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
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 3.86 VOC 3.8 % Specific Gravity (SG) 1.151 Coating VOC (EPA 0.18 calculation) lb/gl	Vapor Pressure 0.28 mmHg Boiling Point 205 °C, 402 °F Coating VOC (as supplied) 0.18 lb/gl
---	---

## Section 10: Stability and Reactivity

### 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: 1,502mg/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:

Ingestion

#### Target Organs:

No data available

#### 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
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

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	NOT REGULATED			
IATA	NOT REGULATED			
IMDG	NOT REGULATED			

## Section 15: Regulatory Information

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

Prop 65 - Chemicals Known to Cause Developmental Toxicity

- None

Prop 65 - Chemicals Known to Cause Cancer:

- None

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- None

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- None

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- None

- None

TSCA (Toxic Substances Control Act)

- None

**Country**

USA

Canada

**Regulation**

Inventory - United States - Section 8(b) Inventory (TSCA)

DSL (Canadian Domestic Substance List)

**All Components Listed**

Yes

Yes

**EU Risk Phrases**

**Safety Phrase**

- None

**Section 16: Other Information**

We believe the information contained in this SDS is correct, however, because the material may be used under conditions over which we have no control, we give no warranty and assume no responsibility for any damage to person, property or business arising from such use. It is the responsibility of the user to ensure it is properly used. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date revised: 2021-03-26

Date Prepared: 3/26/2021

Reviewer Revision