

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

Product Name: RIO SPEED

Product Code: RIO SPEED

Rio Flooring Systems Inc.
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RIO FLOORING SYSTEMS



Section 2: Hazard(s) Identification

GHS Ratings:

Eye irritation

2A

GHS Hazards

H318

Causes serious eye damage

GHS Precautions

P280
P305+P351+P338

Wear protective gloves/protective clothing/eye protection/face protection.
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.
Dispose of contents/container in accordance with local/regional/national/international regulations.

P337+P313
P501

Potential Health Effects:

Eyes: Causes eye irritation.
Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Ingestion: May be harmful if swallowed.

NFPA Ratings: Health 2, Flammability 1, Reactivity 1, Specific Hazard Not Available

HMIS Ratings: Health 2, Fire 1, Reactivity 1, Personal H

Signal Word: Warning



Section 3: Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Triethanolamine	102-71-6	>70

Other components below reportable levels < 30

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4: First Aid Measures

Description of First Aid Measures

After Inhalation: Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

After Eye Contact: Rinse with plenty of water for at least 15 minutes and seek medical attention.

After Skin Contact: Flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention.

After Swallowing: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention.

Section 5: Firefighting Measures

Suitable (and unsuitable) extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use appropriate media for adjacent fire. Cool unopened containers with water.

Special protective equipment and precautions for firefighters

Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Specific hazards arising from the chemical

Emits toxic fumes (carbon oxides, nitrogen oxides) under fire conditions. (See also Stability and Reactivity section).

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: For personal protection, see section 8 of the SDS.

Environmental Precautions: Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.

Methods and Materials for Containment and Cleaning Up: Neutralize spill. Absorb spill with noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

Section 7: Handling and Storage

Precautions for Safe Handling: See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of aerosols.

Section 8: Exposure Controls/Personal Protection

Control Parameters

Occupational exposure limits

Components	Type	Value	Entity
Triethanolamine	TLV	5 mg/m ³	ACGIH

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately Dangerous to Life or Health

WEEL: Workplace Environmental Exposure Levels

CELL: Ceiling

Individual protection measures, such as personal protective equipment

Eye Protection: Wear safety glasses with side shields (or goggles).

Respiratory Protection: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.

Skin and Body Protection: Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.

General hygiene Considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties

Physical state	Viscous liquid		
Color	Clear, Colorless to light yellow	Odor	No information available
		Odor threshold	No information available
Property	Values		
pH	No information available		
Melting point/freezing point	21.5°C (70.7°F)		
Boiling point / boiling range	335°C (635°F)		
Flash point	Closed Cup: 179.44°C (355°F) Open Cup: 190.5°C (374.9°F)		
Evaporation rate	No information available		
Flammability (solid, gas)	Flammable		
Flammability Limit in Air			
	Upper flammability limit: 8.5% (V)		
	Lower flammability limit: 1.3% (V)		
Vapor pressure	0 hPa (@ 20°C)		
Vapor density	5.15 (Air=1)		
Specific Gravity	2.24 estimated		
Water solubility	No information available		
Solubility in other solvents	Easily soluble in cold water, hot water. Soluble in methanol, acetone. Very slightly soluble in diethyl ether, n-octanol.		
Partition coefficient	No information available		
Autoignition temperature	316°C (601°F)		
Decomposition temperature	No information available		

Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Other Information	No information available
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	1.12 (Water=1)

Section 10: Stability and Reactivity

Reactivity The product is stable under normal conditions of use, storage and transport.

Chemical Stability Material is stable under normal conditions.

Possibility of Hazardous Reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid: Easily soluble in cold water, hot water. Soluble in methanol, acetone. Very slightly soluble in diethyl ether, n-octanol.

Incompatible materials Strong oxidizing agents, acids.

Hazardous decomposition products Carbon oxides, nitrogen oxides.

Section 11: Toxicological Information

Acute Toxicity

Triethanolamine

Skin	LD50 Dermal - rabbit - > 22.5 g/kg
Eyes	Not Available
Respiratory	Not Available
Ingestion	LD50 Oral - mouse - 5,846 mg/kg LD50 Oral - rat - 5,530 mg/kg LD50 Oral - rabbit - 2,200 mg/kg LD50 Oral - guinea pig - 2,200 mg/kg

Carcinogenicity

IARC	3-Group 3: Not classifiable as to its carcinogenicity to humans (Triethanolamine).
ACGIH	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs & Symptoms of Exposure

Skin	Irritation, redness, itchiness.
Eyes	Irritation, redness, watering eyes, itchiness.
Respiratory	Irritation, coughing, wheezing.
Ingestion	Irritation, nausea, vomiting, diarrhea.

Chronic Toxicity	Not Available
Teratogenicity	Not Available
Mutagenicity	Not Available
Embryotoxicity	Not Available
Specific Target Organ Toxicity	Not Available
Reproductive Toxicity	Not Available
Respiratory/Skin Sensitization	Not Available

Section 12: Ecological Information

Ecotoxicity

Triethanolamine

Aquatic Vertebrate	LC50 - Lepomis macrochirus (Bluegill) - 450 - 1,000 mg/l - 96 h
Aquatic Invertebrate	EC50 - Daphnia - 609.98 mg/l - 48 h
Terrestrial	Not Available

Persistence and Degradability	Result: 96 % - Readily biodegradable.
Bioaccumulative Potential	Not Available
Mobility in Soil	Not Available
PBT and vPvB Assessment	Not Available
Other Adverse Effects	Not Available

Section 13: Disposal Considerations

Waste from residues Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container.

Contaminated packaging Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container.

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

Section 14: Transport Information

UN Number

DOT:	Not Dangerous Goods
TDG:	Not Dangerous Good
IMDG:	Not Dangerous Good
Marine Pollutant:	No
IATA/ICAO:	Not Dangerous Good

Section 15: Regulatory Information

TSCA Inventory Status	All ingredients are listed on the TSCA inventory.
DSCL (EEC)	All ingredients are listed on the DSCL inventory.
California Proposition 65	Not Listed
SARA 302	No SARA Hazard
SARA 304	No SARA Hazard
SARA 311	Acute Health Hazard
SARA 312	Acute Health Hazard
SARA 313	No SARA Hazard
WHMIS Canada	Not Listed

Section 16: Other Information

NFPA:		HMIS:	
Health hazard	2	Health	2
Flammability	1	Fire	1
Reactivity	1	Reactivity	1
Specific Hazard	Not Available	Personal	H

*=Chronic Health Hazard

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