

**SECTION 1 - IDENTIFICATION**

Product identifier/Trade name: RESISTOL SEALER
Other means of identification: RS19
Recommended use: Floor finish sealer
Restriction on use: For industrial, institutional and food plants use only.
Initial supplier identifier: Safeblend (Chemotec) (PM) Inc.
5800 ONTARIO E.
MONTRÉAL, QC H1N 0A2
Phone: (514) 729-6321; 1-800-729-6321
Emergency phone number: 1-800-729-6321
(Available from 8:00am to 4:30pm Monday to Friday)

SECTION 2 - HAZARDS IDENTIFICATION**2a WHMIS 2015 - GHS (Globally Harmonized System) classification**

This product is classified as a skin irritant category 2 and an eye irritant category 2

2b Label elements

Pictogram:
Signal word:

Warning.

Precautionary statement

Wash hands thoroughly after handling. Wear eye protection. Wear rubber gloves.

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.

IF ON SKIN: Wash with plenty water. If skin irritation occurs get medical advice. Take off contaminated clothing and wash it before reuse.

Hazard statement

Causes serious eye irritation. Causes skin irritation.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	GHS CLASSIFICATION
Diethyleneglycol monoethyl ether	111-90-0	1-5	Not classified
Acrylate copolymer	25133-97-5	7-10	Eye irritation, category 2 Skin irritation category 2
Tributoxyethyl phosphate	78-51-3	1-5	Not classified
Ethyleneglycol	107-21-1	1-5	Acute oral toxicity, category 4
2-Ethylhexylbenzoate	5444-75-7	1-5	Not classified

The actual concentrations are withheld as a trade secret.



SECTION 4 - FIRST AID MEASURES

4a Description of first aid measures

Eye contact:

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.

Skin contact:

Wash with plenty water. If skin irritation occurs get medical advice.

Inhalation:

No effect expected.

Ingestion:

Rinse mouth. Call a doctor if you feel unwell. Never give anything by mouth if the person is unconscious

4b Most important symptoms and effects

Eye: May cause irritation, redness, tears, burning sensation.

Skin: May cause irritation.

Inhalation: No effect expected.

Ingestion: May cause slight irritation, headache, abdominal pain, diarrhoea, nausea, and vomiting.

4c Immediate medical attention and special treatment needed.

No special treatment

SECTION 5 - FIRE FIGHTING MEASURES

5a Extinguishing media

Suitable extinguishing media:

Water (if possible, avoid powerful sprays), foam, dry chemicals, carbon dioxide. The product itself is not flammable.

Unsuitable extinguishing media:

None known.

Specific hazards for product

Hazardous combustion products:

Oxides of carbon, phosphorus, and other irritating gases.

Special protective equipment and precautions for firefighters

Special fire-fighting procedures/equipment:

During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6a Personal precautions, protective equipment, and emergency procedures

Personal protection:

Wear gloves and safety glasses. Use adequate aeration and ventilation. The floor will be slippery in case of a spill.

Use appropriate personal protection equipment (see section 8)



6b Methods and materials for containment and cleaning:

Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material. Resume cleaning by rinsing with water. Caution: floors will be slippery.

6c Environmental precautions:

Contains organic phosphates. Do not let large quantities go to the sewers.

SECTION 7 - HANDLING AND STORAGE

7a Precautions for Safe handling:

Avoid contact with eyes and prolonged contact with skin. Avoid breathing vapours. When used as directed, no special precautions.

7b Condition for safe storage:

Store in a sealed container in a well-ventilated place. Do not store food products. Keep from freezing.

7c Special packaging materials: none.

No incompatibility with most materials found in most workplaces.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8a Control parameters

	Ontario Time-weighted Average Limit (TWA)	Ontario Short-Term Exposure Limit (STEL)	Notations
Diethyleneglycol monoethyl ether	30 ppm	None established	

8b Engineering controls:

Not required under normal applications except general ventilation.

8c Individual protection measures

Respiratory Protection:

Not required under normal applications.

Skin protection and other protective equipment:

Waterproof boots for spills. Rubber gloves.

Eye / face protection:

Safety glasses.

General hygiene considerations:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes. Never eat, drink, or smoke in work areas. Good hygiene is recommended after use of this product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Milky liquid

Colour

White

Odour

Characteristic odour

Melting point and freezing point

Approximately 0 °C



Boiling point:	Approximately 100 °C
Flammability	N/A
Lower and upper flammability limit	N/A
Flash point	Greater than 93 °C
Auto-ignition temperature	N/A
Decomposition temperature	N/A
pH	6 - 8
Viscosity:	<100 cps @ 25 °C
Solubility in water:	Miscible
Partition coefficient – n-octanol/water	N/A
Vapour pressure (mm Hg)	Approximately 20 (water)
Specific gravity or density (water = 1 at 4 °C):	1.0 g/cm ³ @ 20 °C
Relative vapour density	Approximately 0.6 (water)
Particle characteristics	N/A

SECTION 10 - STABILITY AND REACTIVITY

10a Reactivity:

Not applicable when used as directed.

10b Chemical stability:

Stable at room temperature, in normal handling and storage conditions.

10c Possibility of hazardous reactions:

May react with strong oxidizers.

10d Conditions to avoid:

Avoid contact with strong oxidizers.

10e Incompatible materials:

Strong acids

10f Hazardous decomposition products:

With strong oxidizers: heat, water vapour, decomposition products, oxides of carbon, phosphorus, and others.

SECTION 11 - TOXICOLOGICAL INFORMATION

Eye: May cause irritation, redness, tears, burning sensation.

Skin: May cause irritation.

Inhalation: May cause irritation of respiratory tract.

Ingestion: May cause slight irritation, headache, abdominal pain, diarrhoea, nausea, and vomiting.

Carcinogenicity:

No ingredient listed by IARC as a possible carcinogen.

Teratogenicity, mutagenicity, other reproductive effects:

No applicable information found

Skin sensitization:

Not available

Respiratory tract sensitization:

Not available

Synergistic materials:

Not available

Other important hazards:

Not available

Toxicological data:



Ingredient	LD ₅₀ (route, species)	LC ₅₀ # hours (species)
Diethyleneglycol monoethylether	6,031 mg/kg (oral, rat) 9,143 mg/kg (dermal, lapin)	Not available
Acrylate copolymer	Not available	Not available
Tributoxyethyl phosphate	3,000 mg/kg (oral, rat) >5,000 mg/kg (dermal, rabbit)	Not available
Ethylene glycol	7 712 mg/kg (oral, rat) 3 500 mg/kg (mouse)	LC ₅₀ (6 h) 2.5 mg/L air (rat)
2-Ethylhexylbenzoate	2,500 – 5,000 mg/kg (oral, rat) 5,000 mg/kg bw (dermal, rat)	Not available

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION

12a Ecotoxicity:

TOXICITY (Fish)	Results	Exposure time	Method
Diethyleneglycol monoethylether	Catfish LC ₅₀ 6010 mg/L	96H	N/D
Acrylate copolymer	N/D		
Tributoxyethyl phosphate	Pimephales promelas 11.2 mg/L	96H	N/D
Ethylene glycol	Fish 72.86 g/L	96H	N/D
2-Ethylhexylbenzoate	Fish 0.66 mg/L	96H	N/D

TOXICITY (Daphnia)	Results	Exposure time	Method
Diethyleneglycol monoethylether	1,982 mg/L	48H	N/D
Acrylate copolymer	N/D		
Tributoxyethyl phosphate	N/D		
Ethylene glycol	EC ₅₀ 100 mg/L	48H	N/D
2-Ethylhexylbenzoate	EC ₅₀ 125 µg/L	48H	N/D

TOXICITY (Algae)	Results	Exposure time	Method
Diethyleneglycol monoethylether	Desmodesmus subspicatus EC ₅₀ > 100 mg/L	96H	N/D
Acrylate copolymer	N/D		
Tributoxyethyl phosphate	N/D		
Ethylene glycol	EC ₅₀ 3.536 - 13 g/L	96H	N/D
2-Ethylhexylbenzoate	EC ₅₀ 35 µg/L	96H	N/D

12b Persistence and degradability: Product, except for polymers is biodegradable.

12c Bioaccumulation potential: Not available

12d Mobility in soil: Not available

12e Other adverse effect: Product contains less than 0.3% phosphorus.

SECTION 13 - DISPOSAL CONSIDERATIONS

Eliminate according to federal, provincial, and local regulations.

**SECTION 14 - TRANSPORTATION INFORMATION**

Transportation of Dangerous Goods (TDG) in Canada:	Not regulated
UN number	Not applicable
Proper shipping name:	Not applicable
Class:	Not applicable
Identification number:	Not applicable
Packing group:	Not applicable
Special case:	Not applicable

SECTION 15 - REGULATORY INFORMATION**In Canada****WHMIS information:**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and this safety data sheet (SDS) contains all the information required by the HPR.

WHMIS Classification: See section 2a

CEPA information: Ingredients are listed on the DSL inventory.

SECTION 16 - OTHER INFORMATION**Date of latest revision****References:**

1. Manufacturer'/suppliers' MSDS.
2. Occupational Exposure Limits for Ontario Workplaces required under Regulation 833
3. International Agency for Research on Cancer Monographs.
4. The European Chemicals Agency (ECHA) website.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoises
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
Not available	Not available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the MSDS