

# SAFETY DATA SHEET

## ENVIRO POXY EP100 EPOXY FLOOR COATINGS (Part B)

### Section 1: Product and Company Identification

Product Name: Enviro Poxy EP100 Two Component 100% Solids Epoxy Coatings (Part B)  
Product Use: High gloss commercial and industrial floor coatings  
Manufacturer: Enviro Epoxy Products Inc.  
2-90 Nolan Court, Markham ON, L3R 4L9 CANADA  
Emergency Tel No: 905 305 8551

### Section 2: Hazards Identification

#### \*\*\*Emergency Overview\*\*\*

2.1 Harmful if swallowed  
Corrosive  
Severe respiratory irritant  
Severe eye irritant

#### 2.2 Potential Health Hazards:

##### Effects of Overexposure & Primary Routes of Entry –

Eye Contact: Causes eye burns, may cause blindness or severe eye irritation.

Skin Contact: Causes skin burns.

Inhalation: Inhalation of aerosol may cause irritation to the upper respiratory tract. Risk of serious damage to the lungs (by inhalation). May cause nose, throat, and lung irritation. Can cause severe eye, skin, and respiratory tract burns. Inhalation of vapors and/or aerosols may cause irritation of respiratory system.

Ingestion: Harmful if swallowed. If ingested, may cause severe burns to the mouth and throat, as well as a danger of perforation to the esophagus and the stomach.

#### Chronic Health Hazard:

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Repeated or prolonged contact causes sensitization, asthma, and eczema.

#### 2.3 Aggravated Medical Condition:

Asthma, eye disease, skin disorders, and allergies.

### Section 3: Composition of Ingredients

	Range wt.	CAS #
Poly {oxy(methyl-1,2-ethanediyl), alpha - (aminomethylethyl) - Omega-(2aminomethylethoxy)}	> 60%	9046-10-0
Nonylphenol	< 40%	25154-52-3

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### **Section 4: First Aid Measures**

- General Advice:** Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye Contact:** Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the person receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin Contact:** Immediately remove contaminated clothing and if possible, remove any extraneous chemical without delay. Initiate and maintain gentle and continuous irrigation until the person receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing. Take off contaminated clothing and shoes immediately. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.
- Ingestion:** If swallowed, do not induce vomiting. If the person is conscious and has no trouble breathing, wash their mouth with water and then keep at rest. Do not leave the person unattended as vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay the person on their side with head lower than waist and get medical attention immediately. Do not give fluids to an unconscious person.
- Inhalation:** If respiratory irritation or distress occurs, remove the person to fresh air. Seek medical attention if respiratory irritation or distress continues. If breathing is laboured, administer oxygen. If breathing has stopped, administer artificial respiration and seek emergency medical attention.

### **Section 5: Fire and Explosion Data**

- Suitable Extinguishing Media:**  
Alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), dry chemical, dry sand, and limestone powder.
- Specific Hazards:** Product may generate ammonia or toxic nitrogen oxide gas. The use of water may result in the formation of toxic aqueous solutions. Incomplete combustion may form carbon monoxide. Downward personnel must be evacuated as burning produces noxious and toxic fumes.
- Special Protective Equipment for firefighters:**  
Firefighters should wear a face shield and a NIOSH/MSHA approved self-contained breathing apparatus, as well as full protective clothing. Avoid contact with skin.
- Further Information:**  
Do not allow runoff from fire control to enter drains or water courses.

### **Section 6: Accidental Release Measures**

- Personal Precautions:**  
Use a self-contained breathing apparatus and wear chemically protective clothing, gloves, and face/eye protection. Evacuate unnecessary personnel.

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### Environmental Precautions:

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. Spills or discharge to natural waterways is likely to kill aquatic organisms.

### Methods for Cleaning Up:

Approach the suspected leak area with caution and clean with soap and warm water or any paint cleaner. Open enclosed spaces to outside atmosphere, and if possible stop the flow of product.

### **Section 7: Handling and Storage**

**Handling:** Avoid contact with eyes and skin, as well as breathing in vapors and/or aerosols. Use only in well-ventilated areas. Emergency showers and eye wash stations should be readily accessible. Adhere to the work practice rules established by government regulations, and use personal protective equipment. Wash hands and face carefully before eating, drinking, using tobacco products, cosmetics or using the toilet.

**Storage:** Do not store in reactive metal containers or near acids. Keep containers tightly closed in a cool, dry, and well-ventilated place. Do not store, use and/or consume foods, beverages, tobacco products or cosmetics in areas where this material is stored.

### **Section 8: Exposure Controls and Personal Protection**

#### Engineering Controls:

Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

#### Personal Protective Equipment:

**Eyes:** Chemical resistant goggles.

**Skin:** Impervious gloves (neoprene) and impervious clothing.

**Inhalation:** Wear appropriate respirator when ventilation is inadequate.

### **Section 9: Physical and Chemical Properties**

Physical State:	Liquid	Colour:	Amber
Odour:	Fishy	Relative Density:	0.95 (water – 1)
Vapour Pressure:	4.81 mmHg at 21°C	Vapour Density:	59.307 lbft <sup>3</sup> (0.95 g/cm <sup>3</sup> ) at 70°F (21°C)
Water Solubility:	<0.1g/l	Boiling Point:	439°F (226°C)
Flash Point:	106.67°C	PH:	Alkaline

### **Section 10: Stability and Reactivity**

**Chemical Stability:** Stable under normal conditions

**Incompatibility with Other Substances:**

Sodium hypochlorite

Organic acids (e.g., acetic acid, citric acid, etc.)

Mineral acids

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Reaction with peroxides may result in violent decomposition of peroxide  
Possibility of creating an explosion  
Reactive metals (e.g., sodium, calcium, zinc, etc.)  
Materials reactive with hydroxyl compounds  
Oxidizing agents

### Hazardous Decomposition Products:

Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Nitrogen oxide can react with water vapors to form corrosive nitric acid  
Ammonia  
Aldehydes  
Flammable hydrocarbon fragments (e.g., acetylene)

### Section 11: Toxicological Information

#### Acute Health Hazards:

Ingestion:	LD50 > 1,620 mg/kg	Species:	Rat
Inhalation:	No data are available on the product itself		
Skin:	LD50 > 2,140 mg/kg	Species:	Rabbit
Eye Irritation/Corrosion:	Severe eye irritation		
Acute Dermal Irritation/Corrosion:	Corrosive to the skin of a rabbit		
Sensitization:	May cause sensitization by skin contact		

#### Chronic Health Hazard:

The product or a component may be mutagenic, the data is inconclusive.

### Section 12: Ecological Information

#### Ecotoxicity Effects:

Aquatic Toxicity:	No data available on product itself		
Toxicity to fish – Components:		Species:	Fathead Minnow (Pimephales Promelas)
	Nonylphen: LC50 (96 h): 0.128 mg/l		
Toxicity to Daphnia – Components:			
	Nonylphen: EC50 (48 h): 0.0848 mg/l	Species:	Daphnia
	Nonylphen: EC50 (48 h): 0.19 mg/l	Species:	Daphnia
Toxicity to Other Organisms:	No Data Available		

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### **Section 13: Disposal Information**

Waste from Residues/Unused Products:

Contact the supplier if guidance is required.

Contaminated Packaging:

Dispose of container and unused contents in accordance with federal, state, and local requirements.

### **Section 14: Transportation Information**

#### **DOT**

Proper Shipping Name:

Amines, liquid, corrosive, n.o.s. (Poly9methyl-1,2ethanediyl),alpha-(2-aminomethylethyl)-omega-(2-aminomethylethoxy).Nonylphenol)

Class: 8

UN/ID No. UN2735

Packing Group: III

#### **IATA**

Proper Shipping Name:

Amines, liquid, corrosive, n.o.s. (Poly9methyl-1,2ethanediyl),alpha-(2-aminomethylethyl)-omega-(2-aminomethylethoxy).Nonylphenol)

Class: 8

UN/ID No. UN2735

Packing Group: III

#### **IMDG**

Proper Shipping Name:

Amines, liquid, corrosive, n.o.s. (Poly9methyl-1,2ethanediyl),alpha-(2-aminomethylethyl)-omega-(2-aminomethylethoxy).Nonylphenol)

Class: 8

UN/ID No. UN2735

Packing Group: III

#### **TDG**

Proper Shipping Name:

Amines, liquid, corrosive, n.o.s. (Poly9methyl-1,2ethanediyl),alpha-(2-aminomethylethyl)-omega-(2-aminomethylethoxy).Nonylphenol)

Class: 8

UN/ID No. UN2735

Packing Group: III

Note: If regulated as a hazardous material (dangerous good) in transportation, please refer to shipping papers.

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## ENVIRO POXY EP100 EPOXY FLOOR COATINGS (Part B)

### Section 15: Regulatory Information

Country	Regulatory List	Notification
USA	TSCA	Included on Inventory
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer
Canada	DSL	Included on Inventory
Australia	AICS	Included on Inventory
Japan	ENCS	Included on Inventory
South Korea	ECL	Included on Inventory
China	SEPA	Included on Inventory
Philippines	PICCS	Included on Inventory

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification:  
Acute Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level:  
None

U.S. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65):  
This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

WHMIS Hazard Classification:  
Toxic Material Causing Other Toxic Effects, Corrosive Material

### Section 16: Other Information

HMIS Rating –

Health: 3

Flammability: 1

Physical Hazard: 0

Date Prepared: March 2018

It is the user's responsibility to verify the accuracy and suitability of the above information for all possible uses, foreseen and unforeseen.