

# MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY: EPOXAL ESTER PRIMER

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## SECTION 1 - Preparation/Product Information

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Manufactured and Supplied By: Emergency Telephone No: (613) 996-6666

Niagara Protective Coatings Date Prepared: July 1, 2015  
7071 Oakwood Ave.

Niagara Falls, Ontario L2E 6S5 Product Use: Epoxy Coating

T.D.G. Classification: 3.2 UN Number:1263

WHMIS:Health:3 Flammability:1 Reactivity:3 Other:0

CANADIAN WHMIS CLASSIFICATION: CLASS B, DIVISION 2,  
CLASS D, DIVISION 2, SUBDIVISION B

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## Section 2 - Hazardous Ingredients/Identity Information

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HAZARDOUS COMPONENTS: CHEMICAL IDENTITY	EXPOSURE LIMITS: TLV	TOXICITY: LD50/LC50	AMOUNT: %
Toluene (CAS # 108-88-3)	50 ppm	5500 mg/kg 7300 ppm/4h	10-15%
Mineral Spirits (CAS # 64475-85-0)	100 ppm	N.D.	10-15%
Zinc Oxide (CAS# 1314-13-2)	2 mg/m <sup>3</sup>		5-10%

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### SECTION 3 - Physical/Chemical Characteristics

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Boiling Point: 110 - 200°C	Specific Gravity:1.5
Vapour Pressure (mmhg):>71.2	Vapour Density (air=1):3.6
Freezing Point: N/Av.	ph: N/Av.
Evaporation Rate:11.6	Solubility In Water: Partially
VOC: <400 grams/litre	% Solids:70% by wt.
Appearance: Pigmented Liquid	Odour: Hydrocarbon Odour

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### SECTION 4 - Fire and Explosion Hazard Data

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Flash Point (deg C) and Method: 24°C - T.C.C.

Flammable Limits/% Volume in Air: LEL:2.0% UEL:11.5%

Auto-ignition Temperature (deg C):500°C

Extinguishing Media: Carbon Dioxide, Dry Chemical Foam

Special Fire Fighting Procedures: Wear Self-contained Breathing Apparatus and approved protective clothing

Ignitable: YES: x NO:

Unusual Fire and Explosion Hazards: None

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### SECTION 5 - Reactivity Data

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Stable: x Hazardous Polymerization: Will Not Occur

Incompatibility (Materials to Avoid): Base, amines, oxidizing materials

Conditions of Reactivity/Instability: Excessive heat, sparks and open flames

Hazardous Decomposition or Byproducts: Oxides of carbon(co,co2)

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## SECTION 6 - Health Hazard Data

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### Primary Routes Of Exposure:

Inhalation: Nose and throat irritant

Skin Contact: May cause irritation

Skin Absorption: Repeated contact may cause dermatitis in sensitive individuals

Ingestion: May cause nausea, vomiting. Single oral dose toxicity is low

Eye Contact: May cause slight eye irritation. Corneal injury is unlikely.

### Health Hazards:

No carcinogenicity, mutagenicity or teratogenicity effects are known.

No effects of chronic exposure or target organ effects are known.

No exposure limits have been established for this product as formulated.

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## SECTION 7 - First Aid Measures

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### EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Move to fresh air. Give oxygen if breathing is difficult

Ingestion: Do not induce vomiting. Obtain medical attention immediately

Eyes: Flush eyes with water for at least 15 minutes

Skin: Wash with mild soap and water

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## SECTION 8 - Control Measures

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Respiratory Protection: Use NIOSH approved respirator for organic vapours.

Ventilation: Local and mechanical exhaust are recommended to minimize exposure

Protective Gloves: Impervious gloves should be worn when handling this material

Eye Protection: Splash proof chemical goggles

Other Protective Clothing/Material/Equipment: Barrier Cream

Work/Hygienic Practices: Wash thoroughly after handling

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## SECTION 9 - Precautions for Safe Handling and Use

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Waste Disposal Method: In accordance with all Federal, Provincial, State and Local regulations.

Handling and Storage: Store in a cool, dry, well-ventilated area, away from heat and ignition sources.

Spill and Leak Procedure: Avoid all personal contact. Take up with absorbent material. Flush area with water.

Other Precautions: Avoid contact with eyes, skin or clothing.  
Avoid breathing vapour, mist or spray

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