

MATERIAL SAFETY DATA SHEET

Issued: Friday, March 09, 2007
REVISED: Friday, March 09, 2007

SECTION 1: PRODUCT INFORMATION

Product Name: GEM-COTE EP 100 PRIMER COMP. A
Manufacturer: GEMITE PRODUCTS INC.
Address: 1787 Drew Road, Mississauga, ON L5S 1J5
Emergency Phone: US: 888-443-6483 CANADA: 905-672-2020
Chemical Family: High Performance Epoxy Coating
T.D.G. Classification: Non-Regulated

SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENTS	%	LD ₅₀ (oral-rat)	CAS NO.
Bisphenol A Diglycidyl Resin	60-100	Not Available	25068-38-6
Butylglycidyl Ether Hydrous Magnesium Silicate	3-7	1660 mg/kg	2426-08-6
	3-7	Not Available	14807-96-6

SECTION 3: PHYSICAL DATA

Physical State: Viscous Liquid
Odour & Appearance: Mild, Characteristic odour and resinous, viscous liquid. Color as indicated on label.
Vapour Pressure: N/A
Vapour Density: N/A
Evaporation Rate: N/A
Boiling Point: N/A
Specific Gravity: 1.0-1.3
Solubility in Water: N/A

SECTION 4 : FIRE & EXPLOSION DATA

Flammability: No
Extinguishing Media: Waterfog, CO₂, Foam
Special Procedures: N/A
Flash Point: >78 °C (CC)
Auto Ignition Temp: N/A
Upper Flammability Limit: N/A
Lower Flammability Limit: N/A
Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, Aldehydes
Explosion Data: Avoid Sparks and Open Flames. Provide positive ventilation. In case of fire provide Self-Contained Breathing Apparatus. Decomposition and combustion products may be toxic.

SECTION 5: REACTIVITY DATA

Conditions Contributing to Instability: Stable
Incompatibility: Strong oxidizing agents, acids, alkalies, and epoxy hardeners under uncontrolled conditions
Hazardous Polymerization: None
Reactivity Conditions: Elevated temperatures, Incompatibles
Hazardous Products of Decomposition: Carbon monoxide, carbon dioxide, aldehydes, and nitrogen oxides.

SECTION 6:	TOXICOLOGICAL PROPERTIES
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Route of Entry: Eyes, Mouth, Skin
Skin Contact: irritant. May cause allergic skin reaction and sensitization.
Eye Contact: may cause mild to moderate eye irritation.
Inhalation: May result in narcosis (central nervous system depression). May cause respiratory tract irritation.
Ingestion: May cause gastrointestinal irritation.
Effects of Chronic Exposure: May aggravate pre-existing allergies and eczema.

Carcinogenicity: Contains Microcrystalline Silica. Inhalation of silica dust may cause delayed lung injury or disease. The International Agency for Research on Cancer (IARC) has evaluated that there is "sufficient evidence" that Microcrystalline Silica can cause cancer in Lab animals and there is "limited evidence" with respect to humans.
Exposure Limits: 5mg/m³ (TWA)

SECTION 7:	PREVENTATIVE MEASURES
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Protective Equipment

- **Gloves Type:** Solvent Resistant Gloves
- **Respiratory Type:** If airborne concentrations exceed or are expected to exceed the occupational exposure standard, use an approved NIOSH/MSHA respirator suitable for organic vapors.
- **Eye Type:** Solvent resistant goggles or full face shield recommended.
- **Footwear Type:** N/A
- **Clothing Type:** Wear protective equipment as required to prevent wetting of the skin or clothing.

Engineering Controls: In confined areas, positive (forced air) ventilation is recommended. In other indoor applications, passive ventilation (opening of doors and windows) is recommended.

Leak/ Spill: Small spill: absorb spill with suitable absorbent material (dry sand, earth) and shovel into closed containers for disposal. Flush contaminated area with water. Large spill: dike area and pump into closed containers. Prevent runoff from entering storm sewers and ditches which could lead to natural waterways. Wear protective equipment during cleanup.

Waste Disposal: Dispose in accordance with Federal, Provincial and local regulations

Handling Procedures

& Equipment: Store this material in tightly closed containers in a cool, dry place. Avoid heat and warm storage areas.

WHMIS Classification: B3, D1B, D2A, D2B

HMIS Information: Health: 2
Flammability: 2
Reactivity: 0

SECTION 8:	FIRST AID MEASURES
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Eye Contact: Immediately flush with water for at least 15 minutes.
Skin Contact: Wash exposed areas with soap and water. Remove contaminated clothing.
Inhalation: If ill effects occur, remove to fresh air. Keep warm and quiet and get medical attention promptly.
Ingestion: Do not induce vomiting, and seek immediate medical attention.

IN ALL CASES, GET MEDICAL ATTENTION.

N/A : Not applicable

MATERIAL SAFETY DATA SHEETIssued: Friday, March 09, 2007
REVISED: Friday, March 09, 2007**SECTION 1: PRODUCT INFORMATION**

Product Name: GEM-COTE EP 100 PRIMER COMP. B
Manufacturer: GEMITE PRODUCTS INC.
Address: 1787 Drew Road, Mississauga, ON L5S 1J5
Emergency Phone: US: 888-443-6483 CANADA: 905-672-2020
Chemical Family: High Performance Epoxy Coating
T.D.G. Classification: Flammable Liquid (Coating Solution) – UN1139, Class 3, PGIII

SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENTS	%	LD₅₀ (oral-rat)	CAS NO.
Benzyl Alcohol	15-40	1140mg/kg	100-51-6
Modified Aliphatic Amine	10-30	Not Available	68609-08-5
Isophorone Diamine	15-40	1000mg/kg	2855-13-2
Hydrous Magnesium Silicate	3-7	Not Available	14807-96-6

Note: Contains other ingredients and pigments which should be treated as nuisance dust

SECTION 3: PHYSICAL DATA

Physical State: Liquid
Odour & Appearance: Mild, Amine Odour. Beige viscous liquid
Vapour Pressure: N/A
Vapour Density: N/A
Evaporation Rate: N/A
Boiling Point: N/A
Specific Gravity: 1.0-1.1
Solubility in Water: N/A

SECTION 4 : FIRE & EXPLOSION DATA

Flammability: Flammable
Extinguishing Media: CO₂, Dry Chemical, Foam, Water Spray
Special Procedures: N/A
Flash Point: >94 °C (CC)
Auto Ignition Temp: N/A
Upper Flammability Limit: N/A
Lower Flammability Limit: N/A
Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, Aldehydes
Explosion Data: Avoid Sparks and Open Flames. Provide positive ventilation. In case of fire provide Self-Contained Breathing Apparatus. Decomposition and combustion products may be toxic.

SECTION 5: REACTIVITY DATA

Conditions Contributing to Instability: Stable
Incompatibility: Strong oxidizing agents, acids, and epoxy resin under uncontrolled conditions
Hazardous Polymerization: None

Reactivity Conditions: Elevated temperatures, Incompatibles
Hazardous Products of Decomposition: Carbon monoxide, carbon dioxide, aldehydes, and nitrogen oxides.

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Eyes, Mouth, Skin
Skin Contact: causes moderate to severe skin irritation. May cause allergic skin reaction and sensitization.
Eye Contact: causes severe eye irritation
Inhalation: Prolonged or repeated inhalation may cause lung damage or respiratory irritation. Avoid breathing mist or spray.
Ingestion: Substance is extremely harmful if swallowed.
Effects of Chronic Exposure: Not Known

SECTION 7: PREVENTATIVE MEASURES

Protective Equipment

- **Gloves Type:** Solvent Resistant Gloves
- **Respiratory Type:** If airborne concentrations exceed or are expected to exceed the occupational exposure standard, use an approved NIOSH/MSHA respirator suitable for organic vapors.
- **Eye Type:** Solvent resistant goggles or full face shield recommended.
- **Footwear Type:** N/A
- **Clothing Type:** Wear protective equipment as required to prevent wetting of the skin or clothing.

Engineering Controls: In confined areas, positive (forced air) ventilation is recommended. In other indoor applications, passive ventilation (opening of doors and windows) is recommended.

Leak/ Spill: Small spill: absorb spill with suitable absorbent material (dry sand, earth) and shovel into closed containers for disposal. Flush contaminated area with water. Large spill: dike area and pump into closed containers. Prevent runoff from entering storm sewers and ditches which could lead to natural waterways. Wear protective equipment during cleanup.

Waste Disposal: Dispose in accordance with Federal, Provincial and local regulations

Handling Procedures & Equipment:

Store this material in tightly closed containers in a cool, dry place.

WHMIS Classification: E D2B

HMIS Information: Health: 2
Flammability: 1
Reactivity: 0

SECTION 8: FIRST AID MEASURES

Eye Contact: Immediately flush with water for at least 15 minutes.
Skin Contact: Wash exposed areas with soap and water. Remove contaminated clothing.
Inhalation: If ill effects occur, remove to fresh air. Keep warm and quiet and get medical attention promptly.
Ingestion: If Part B is swallowed, immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. If mixed product (Part A + B) is swallowed, do not induce vomiting, and seek immediate medical attention.

IN ALL CASES, GET MEDICAL ATTENTION.

N/A : Not applicable