

# MATERIAL SAFETY DATA SHEET

Issued: June, 19, 2000  
Reviewed: January 22, 2007

## SECTION 1: PRODUCT INFORMATION

**Product Name:** GEM-COTE EP 100- Component 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:** Epoxy  
**T.D.G. Classification:** Not Regulated

## SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENTS	%	TLV	CAS NO.
Epoxy Resin	40-70	N/A	25085-99-8
Bisphenol P Exopy	10-30	N/A	25054-14-4
Phenyl Carbinol	7-13	N/A	100-51-6
Titanium Dioxide	6-10	N/A	13463-67-7
Aliphatic Glycidyl Ether	5- 10	N/A	2461-15-6
Ferric Oxide	0.1-1	N/A	1309-37-1
Polysiloxaine Copolymer	0.1-1	N/A	PIN # (UN 1993)

## SECTION 3: PHYSICAL DATA

**Physical State :** Liquid  
**Odour & Appearance :** Epoxy odour, grey in appearance  
**Vapour Pressure :** N/A  
**Vapour Density :** N/A  
**Evaporation Rate :** N/A  
**Boiling Point :** 176 °C  
**Specific Gravity :** 1.18  
**Solubility in Water :** Slight

## SECTION 4 : FIRE & EXPLOSION DATA

**Flammability:** No  
**Extinguishing Media:** Waterfog, CO<sub>2</sub>, Foam  
**Special Procedures:** No not incinerate closed containers  
**Flash Point:** 147 (SETAFLASH CLOSED CUP)  
**Auto Ignition Temp:** N/A  
**Upper Flammability Limit:** N/A  
**Lower Flammability Limit:** N/A  
**Hazardous Combustion Products:** CO, CO<sub>2</sub>, Phenolics  
**Explosion Data:**

## SECTION 5: REACTIVITY DATA

**Conditions Contributing to Instability:** Stable  
**Incompatibility:**  
**Hazardous Polymerization:** May occur with greater than 1lb of amines  
**Reactivity Conditions:** Not Applicable  
**Hazardous Products of Decomposition:** Not Available

## SECTION 6: TOXICOLOGICAL PROPERTIES

**Route of Entry:** Skin Contact, Eye Contact, Skin Absorption, Inhalation  
**Skin Contact:** May cause dermatitis

Cont'd...

**Eye Contact:** Will result in eye irritation  
**Inhalation:** Will result in respiratory tract irritation  
**Ingestion:** May cause abdominal pain, vomiting and diarrhea  
**Effects of Chronic Exposure:** Not Applicable  
**Effects of Acute Exposure:** See all previous effects  
**TLV:** Not available

<b>SECTION 7: PREVENTATIVE MEASURES</b>
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**Protective Equipment**

- **Gloves Type:** Impervious gloves  
- **Respiratory Type:** Use an approved air purifying respirator when respiratory protection is required  
- **Eye Type:** Chemical goggles and full face shield  
- **Footwear Type:** Closed toe footwear  
- **Clothing Type:** Wear clean long sleeved, body covering clothes  
**Engineering Controls:** Provide general dilution or local exhaust in volume and pattern to keep TLV of hazardous ingredients in section 2 below acceptable limits  
**Leak/ Spill:** Remove all sources of ignition (flames, sparks ect.) Provide adequate ventilation. Avoid prolonged breathing of vapours. Remove to a container or absorb with clay, diatomaceous earth or other suitable inert absorbant  
**Waste Disposal:** Dispose of by a controlled burning or landfill the absorption material in an approved site in accordance with local, provincial, and federal regulations. Do not incinerate closed containers  
**Handling Procedures & Equipment:** Avoid inhalation, skin and eye contact. Practice good personal hygiene. Wash repeatedly with soap and water during the work day.  
**Storage Needs:** Keep containers closed in a cool dry place  
**Miscellaneous:**

<b>SECTION 8: FIRST AID MEASURES</b>
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**Eye Contact:** Flush thoroughly with water for at least 15 minutes and get immediate medical attention  
**Skin Contact:** Wash the exposed areas with soap and water immediately. Call a physician if irritation persists  
**Inhalation:** Remove to fresh air. If breathing is difficult administer oxygen.  
**Ingestion:** Do not induce vomiting. Transport to a medical facility

# MATERIAL SAFETY DATA SHEET

Issued: June, 20, 2000  
Reviewed: January 22, 2007

## SECTION 1: PRODUCT INFORMATION

**Product Name:** GEM-COTE EP 100- Component 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:** Amine  
**T.D.G. Classification:** UN 2735, CLASS 8, PG III, AMINES, LIQUID, CORROSIVE NOS,  
(isophoronediamine)

## SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENTS	%	TLV	CAS NO.
Polyoxyalkylenediamine	30-60	N/A	9046-10-0
N-Aminoethylpiperazine	30-60	N/A	140-31-8
Epoxy Resin	10-30	N/A	25085-99-8
Phenyl Carbinol	10-30	N/A	100-52-8
Triethylenetetramine	7-13	N/A	112-24-3

## SECTION 3: PHYSICAL DATA

**Physical State :** Liquid  
**Odour & Appearance :** Ammonical odour, clear amber in appearance  
**Vapour Pressure :** N/A  
**Vapour Density :** N/A  
**Evaporation Rate :** N/A  
**Boiling Point :** N/A  
**Specific Gravity :** 1.01  
**Solubility in Water :** Slight

## SECTION 4 : FIRE & EXPLOSION DATA

**Flammability:** No  
**Extinguishing Media:** Waterfog, CO<sub>2</sub>, Foam, Dry Chemical  
**Special Procedures:**  
**Flash Point:** 147 (SETAFLASH CLOSED CUP)  
**Auto Ignition Temp:** N/A  
**Upper Flammability Limit:** N/A  
**Lower Flammability Limit:** N/A  
**Hazardous Combustion Products:** CO, CO<sub>2</sub>, Oxides of nitrogen  
**Explosion Data:** N/A

## SECTION 5: REACTIVITY DATA

**Conditions Contributing to Instability:** Stable  
**Incompatibility:**  
**Hazardous Polymerization:** Will not occur  
**Reactivity Conditions:** Not Applicable  
**Hazardous Products of Decomposition:** Not Available

## SECTION 6: TOXICOLOGICAL PROPERTIES

**Route of Entry:** Skin Contact, Eye Contact, Skin Absorption, Inhalation  
**Skin Contact:** Will result in severe skin irritation and burns  
**Eye Contact:** Will result in severe eye irritation and burns

Cont'd...

**Inhalation:** May result in severe respiratory tract irritation and burns  
**Ingestion:** May lead to gastrointestinal irritation or ulceration  
**Effects of Chronic Exposure:** Not Applicable  
**Effects of Acute Exposure:** See all previous effects  
**TLV:** Not available

<b>SECTION 7: PREVENTATIVE MEASURES</b>
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**Protective Equipment**

- <b>Gloves Type:</b>	Impervious gloves
- <b>Respiratory Type:</b>	Use an approved air purifying respirator when respiratory protection is required
- <b>Eye Type:</b>	Chemical goggles and full face shield
- <b>Footwear Type:</b>	Closed toe footwear
- <b>Clothing Type:</b>	Wear clean long sleeved, body covering clothes
<b>Engineering Controls:</b>	Provide general dilution or local exhaust in volume and pattern to keep TLV of hazardous ingredients in section 2 below acceptable limits
<b>Leak/ Spill:</b>	Remove all sources of ignition (flames, sparks ect.) Provide adequate ventilation. Avoid prolonged breathing of vapours. Remove to a container or absorb with clay, diatomaceous earth or other suitable inert absorbant
<b>Waste Disposal:</b>	Dispose of by a controlled burning or landfill the absorption material in an approved site in accordance with local, provincial, and federal regulations. Do not incinerate closed containers
<b>Handling Procedures &amp; Equipment:</b>	Avoid inhalation, skin and eye contact. Practice good personal hygiene. Wash repeatedly with soap and water during the work day.
<b>Storage Needs:</b>	Keep containers closed in a cool dry place
<b>Miscellaneous:</b>	

<b>SECTION 8: FIRST AID MEASURES</b>
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<b>Eye Contact:</b>	Flush thoroughly with water for at least 15 minutes and get immediate medical attention
<b>Skin Contact:</b>	Wash the exposed areas with soap and water immediately. Call a physician if irritation persists
<b>Inhalation:</b>	Remove to fresh air. If breathing is difficult administer oxygen.
<b>Ingestion:</b>	Do not induce vomiting. Transport to a medical facility