



## SECTION I: PRODUCT INFORMATION

PRODUCT: **Sika® Epoxy 820 by Emseal PART A** REVISION DATE: October 7, 2010

USAGE: HIGH-MODULUS, HIGH-STRENGTH, STRUCTURAL, EPOXY PASTE ADHESIVE

MANUFACTURER: SIKA CANADA INC.  
601, avenue Delmar  
Pointe Claire, QC  
H9R 4A9

**EMERGENCY TELEPHONE NUMBER: CANUTEC (collect) (613) 996-6666**

TDG CLASSIFICATION: Not Regulated WHMIS Classification: D2A  
UN NUMBER: Not Established Class: Not Applicable  
Packaging Group: Not Applicable

## SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD <sub>50</sub> (mg/kg) (Species, route)	LC <sub>50</sub> (Species, route)
EPOXY RESIN	30-60	Not Available	025085-99-8	> 5000 (oral, rat)	Not Available
SILICA SAND	30-60	.1 mg/m <sup>3</sup>	14808-60-7	Not available	Not Available

## SECTION III: PHYSICAL CHARACTERISTICS

Physical State:	Paste	Boiling Point:	Not Established
Appearance and Odor:	White paste with ether odor	Freezing Point:	Not Established
		Density:	1.7 g/ml
Odor Threshold:	Not Established	Water Solubility:	Very low
Evaporation Rate:	Not Applicable	pH:	Not Established
Vapor Density:	Not Established	% volatility:	Not Applicable
Vapor Pressure:	Not Established	Water/Oil Distribution:	Not Established



PRODUCT: Sika® Epoxy 820 by Emseal PART A

SECTION IV: FIRE AND EXPLOSION HAZARDS

Flammability: If Yes, under what conditions:	No	TDG Flammability Class:	Not Regulated
Extinguishing methods:	Foam, dry chemical products, CO <sub>2</sub> , water hose.	Flammable upper limits (% vol.):	Not Applicable
Special Methods:	Fire fighters must wear usual protective clothing and respiratory equipment. A water hose may be used to cool the containers and dissipate the vapors.	Flammable lower limits (% vol.):	Not Applicable
		Flash Point (method used):	Not Applicable
		Auto-ignition temperature:	Not Established
		Dangerous Combustion Products:	Carbon Oxides, phenol.
		Protect from mechanical impact:	No
		Protect from static discharge:	No

SECTION V: REACTIVITY

Chemical stability: If not, under what conditions:	Yes But excessive heat will degrade the resin.	Dangerous decomposition products:	Phenol, carbon oxides.
Incompatibility with other material: If Yes, which ones:	Yes Strong acid, base, and oxidizer.	Polymerization Risks:	May polymerize at very high temperatures.



PRODUCT: Sika® Epoxy 820 by Emseal PART A

SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: May cause eye irritations.

Skin: May be irritating to the skin, may cause sensitization.

Inhalation: May irritate lungs, may cause an allergic reaction.

Ingestion: May cause irritation to the gastro-intestinal system.

Carcinogenicity: According to the IARC, the quartz silica is a probable cause of cancer.

Toxic effects on reproduction: Not available

Teratogenicity: Not available

Mutagenicity: Not available

Product with synergistic effects: Not known

An acute or chronic exposure will increase the toxic effects mentioned in this section and may aggravate respiratory problems.



PRODUCT: Sika® Epoxy 820 by Emseal PART A

SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves: Chemical resistant gloves.  
Respiratory equipment: Not necessary under normal use.  
Eyes: Safety glasses  
Shoes: Ordinary  
Clothing: Rubber Apron  
Other: No

OTHERS

Ventilation: Sufficient ventilation required  
Procedure in case of leaks: Absorb with sand or other absorbent material. Residue may be removed with steam or hot water and soap. All precautions should be taken when cleaning the spill with solvent.  
Handling and Equipment Methods: Avoid skin, eye and clothing contact  
Warehouse Requirements: Keep all containers closed in a cool, dry area. Keep away from heat and open flame  
Special Shipping Instructions: See TDG class  
Waste Disposal: Dispose of sand and rinse water according to municipal, provincial or federal laws for disposal of chemicals.



PRODUCT: Sika® Epoxy 820 by Emseal PART A

SECTION VIII: FIRST AID

Skin: Remove and clean all contaminated clothing. Wash immediately with plenty of soap and water. Consult a physician if required.

Eyes: Rinse with water for at least 15 minutes. Consult a physician immediately.

Inhalation: In the case of overexposure, evacuate to fresh air. Consult a physician if required.

Ingestion: Drink plenty of water. Do not induce vomiting. Do not give anything by mouth to an unconscious person. See a physician immediately.

SECTION IX: PREPARATION INFORMATION

Prepared By: Steve Gosselin  
 Telephone #: (514) 697-2610  
 Fax #: (514) 694-2792

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## SECTION I: PRODUCT INFORMATION

PRODUCT: **Sika® Epoxy 820 by Emseal PART B** REVISION DATE: October 7, 2010

USAGE: HIGH-MODULUS, HIGH-STRENGTH, STRUCTURAL, EPOXY PASTE ADHESIVE

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UN NUMBER: Not Established Class: Not Applicable  
Packaging Group: Not Applicable

## SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD <sub>50</sub> (mg/kg) (Species, route)	LC <sub>50</sub> (Species, route)
BENZYL ALCOHOL	1-5	Not Available.	100-51-6	1230 (oral, rat)	4000 mg/m <sup>3</sup> (rat)
TRIDIMETHYLAMINO METHYL PHENOL 2, 4, 6	1-5	Not Available.	90-72-2	1635 (oral, rat)	.5 mg/L(rat)
ALIPHATIC AMINE AND EPOXY RESIN COPOLYMER	5-10	Not available	Not available	Not Available	Not Available
SILICA SAND	40-70	.1 mg/m <sup>3</sup>	14808-60-7	Not available	Not Available
PETROLEUM DISTILLATE	1-5	Not available	68477-31-6	2622 (oral, rat)	Not available

## SECTION III: PHYSICAL CHARACTERISTICS

Physical State: Paste  
Appearance and Odor: Light grey paste with amine odor  
Odor Threshold: Not Established  
Evaporation Rate: Not Applicable  
Vapor Density: Not Established  
Vapor Pressure: Not Established

Boiling Point: Not Established  
Freezing Point: Not Established  
Density: 2.1 g/ml  
Water Solubility: Partial  
pH: Not Established  
% volatility: 0  
Water/Oil Distribution: Not Established



PRODUCT: Sika® Epoxy 820 by Emseal PART B

SECTION IV: FIRE AND EXPLOSION HAZARDS

Flammability: If Yes, under what conditions:	No	TDG Flammability Class:	Not Regulated
Extinguishing methods:	Foam, dry chemical products, CO <sub>2</sub> , water hose.	Flammable upper limits (% vol.):	Not Established
Special Methods:	Fire fighters must wear usual protective clothing and respiratory equipment. A water hose may be used to cool the containers and dissipate the vapors.	Flammable lower limits (% vol.):	Not Established
		Flash Point (method used):	> 96°C
		Auto-ignition temperature:	Not Established
		Dangerous Combustion Products:	Carbon oxides, nitrogen oxides, aldehyde, ketone.
		Protect from mechanical impact:	No
		Protect from static discharge:	No

SECTION V: REACTIVITY

Chemical stability: If not, under what conditions:	Yes	Dangerous decomposition products:	Carbon oxides, nitrogen oxides, aldehyde, ketone.
Incompatibility with other material: If Yes, which ones:	Yes Acid, strong oxidizer, organic halogen, aldehyde, ketone, nitrate, acrylate.	Polymerization Risks:	No



PRODUCT: Sika® Epoxy 820 by Emseal PART B

SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: May cause eye irritations. May cause severe burns. May cause blindness.

Skin: May be irritating to the skin, may cause severe burns. May cause dermatitis, allergic reactions, and sensitization.

Inhalation: Vapors or mist of this product may cause irritation.

Ingestion: May cause severe burns to the mouth, throat and stomach. May cause vomiting, dizziness, diarrhea, damages to the lungs, troubles to the gastro-intestinal system, death.

Carcinogenicity: According to the IARC, the quartz silica is a probable cause of cancer.

Toxic effects on reproduction: Not available

Teratogenicity: Not available

Mutagenicity: Yes

Product with synergistic effects: Not known

An over-exposure may cause breathing difficulty, headaches, nausea, damages to the lungs, sensitization and dizziness.

May cause problems to the skin, eyes and lungs. May aggravate respiratory and allergic problems.

An acute or chronic exposure will increase the toxic effects mentioned in this section and may aggravate respiratory problems.



PRODUCT: Sika® Epoxy 820 by Emseal PART B

SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves: Chemical resistant gloves.

Respiratory equipment: Not necessary under normal use.

Eyes: Full face mask or safety glasses

Shoes: Leather

Clothing: Rubber Apron

Other: Eye wash station

OTHERS

Ventilation: Sufficient ventilation required

Procedure in case Of leaks: Absorb with sand or other absorbent material.

Handling and Equipment Methods: Avoid skin, eye and clothing contact

Warehouse Requirements: Keep all containers closed in a cool, dry and well ventilated area. Keep away from heat and open flame

Special Shipping Instructions: See TDG class

Waste Disposal: Dispose of sand and rinse water according to municipal, provincial or federal laws for disposal of chemicals.



PRODUCT: Sika® Epoxy 820 by Emseal PART B

SECTION VIII: FIRST AID

**Skin:** Remove contaminated clothing and shoes.  
Wash immediately with plenty of soap and water.  
Throw away shoes that were soiled on the inside.  
Wash clothing before re-wearing.  
Consult a physician if required.

**Eyes:** Rinse eyes immediately with plenty of water for several minutes, while holding eyelids wide open, to ensure a proper wash.  
The eye rinse within the first minute is essential to ensure maximum protection.  
Consult a physician immediately.

**Inhalation:** In the case of overexposure, evacuate to fresh air.  
Consult a physician if required.

**Ingestion:** Drink plenty of water. Do not induce vomiting.  
Do not give anything by mouth to an unconscious person.  
See a physician immediately.

SECTION IX: PREPARATION INFORMATION

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