



SECTION I: PRODUCT INFORMATION

PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART A REVISION DATE: February 15, 2006

USAGE: BONDING AGENT AND ANTI-CORROSION COATING

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 : D2B
UN NUMBER: Not applicable Class: Not applicable
Packaging Group: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD ₅₀ (mg/kg) (species, route)	LC ₅₀ (species, route)
EPOXY RESIN	60-100	Not Available	025085-99-8	> 5000 (oral, rat)	Not Available

SECTION III: PHYSICAL CHARACTERISTICS

Physical State	:Liquid	Boiling Point	:Not Established
Appearance and Odor	:White Liquid, ether odor	Freezing Point	:Not Established
Odor Threshold	:Not Established	Density	:1.1 g/ml
Evaporation Rate	:Not Applicable	Water Solubility	:Partial
Vapor Density	:Not Applicable	pH	:Not Established
Vapor Pressure	:Not Applicable	% volatility	:< 40
		Water/Oil Distribution	:Not Established



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART A

SECTION IV: FIRE AND EXPLOSION HAZARDS

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

SECTION V: REACTIVITY DATA

Chemical stability: If not, under what conditions:	Yes, but excessive heat will degrade the resin.	Dangerous decomposition products	:Carbon oxides, phenol
Incompatibility with other material: If Yes, which ones:	Yes Base, strong acid, oxidizer.	Polymerization Risks:	May polymerize at very high temperatures.



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART A

SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes:	May cause eye irritations.	Carcinogenicity	:No
Skin:	May be irritating to the skin, may cause sensitization.	Toxic effects on reproduction	:No
Inhalation:	May irritate lungs, may cause an allergic reaction.	Teratogenicity	:No
Ingestion:	May cause irritation of the gastro-intestinal system.	Mutagenicity	:No
		Product with synergistic effects	:Not Established

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



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART A

SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves :Chemical resistant gloves.

Respiratory equipment :Not necessary under normal use.

Eyes : Safety glasses

Shoes : Leather

Clothing : Rubber Apron

Other : Eye wash station, shower

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. Protect from freezing.

Special Shipping Instructions: Protect from freezing.

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



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART A

SECTION VIII: FIRST AID

Skin : Remove contaminated clothing and shoes.
Wash immediately with plenty of soap and water.
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
See 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

Notice To Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All the materials present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



SECTION I: PRODUCT INFORMATION

PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART B REVISION DATE: February 15, 2006

USAGE: BONDING AGENT AND ANTI-CORROSION COATING

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 : D2B
UN NUMBER: Not Established CLASS: Not Applicable
Packaging Group: Not Applicable

SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD ₅₀ (mg/kg) (species, route)	LC ₅₀ (species, route)
DICYCLOHEXYLAMINE	1-5	Not Available	101-83-7	Not Available	Not Available
ALIPHATIC AMINE	10-30	Not Available	Not Available	Not Available	Not Available

SECTION III: PHYSICAL CHARACTERISTICS

Physical State	:Liquid	Boiling Point	:Not Established
Appearance and Odor	:Amber color with amine odor	Freezing Point	:Not Established
Odor Threshold	:Not Established	Density	:.99 g/ml
Evaporation Rate	:Not Applicable	Water Solubility	:Partial
Vapor Density	:Not Applicable	pH	:Not Established
Vapor Pressure	:Not Applicable	% volatility	:< 75
		Water/Oil Distribution	:Not Established



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART B

SECTION IV: FIRE AND EXPLOSION HAZARDS

Flammability If Yes, under what conditions	:No :	TDG Flammability Class Flammable upper limits (% vol.) Flammable lower limits (% vol.) Flash Point (method used) Auto-ignition temperature	:None :Not Applicable :Not Applicable :Not Applicable :Not Established
Extinguishing methods:	Foam, dry chemical products, CO ₂ , water hose.	Dangerous Combustion Products:	Carbon oxides, nitrogen oxide, aldehyde, ketone.
Special Methods:	Firefighters must wear usual protective clothing and respiratory equipment. A water hose may be used to cool the containers and dissipate the vapors.	Protect from mechanical impact Protect from static discharge	:No :No

SECTION V: REACTIVITY DATA

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



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART B

SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

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

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

Inhalation: Vapors of this product may cause irritation.

Ingestion: May cause burns to the mouth, throat, stomach. May cause vomiting, nausea, dizziness, diarrhea, damages to the lungs.

Carcinogenicity :No

Toxic effects on reproduction :No

Teratogenicity :No

Mutagenicity :No

Product with synergistic effects :Not Established

An over-exposure may cause breathing difficulty, vomiting, 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: SIKATOP® ARMATEC 110 EPOCEM® PART B

SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves : Chemical resistant gloves.

Respiratory equipment : Not necessary

Eyes :Full-face mask or safety glasses

Shoes :Leather

Clothing :Rubber Apron

Other :Eye wash station, shower

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 area. Protect from freezing.

Special Shipping Instructions: Protect from freezing.

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



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® 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

Prepared By : Steve Gosselin
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SECTION I: PRODUCT INFORMATION

PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART C REVISION DATE: February 15, 2006

USAGE: BONDING AGENT AND ANTI-CORROSION COATING

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

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

TDG CLASSIFICATION: Not Regulated
UN NUMBER: Not Established
Packaging Group: Not Applicable

WHMIS Classification : D2A, E
Class: Not Applicable

SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD ₅₀ (mg/kg) (species, route)	LC ₅₀ (species, route)
SILICA SAND	40-70	*.1 mg/m ³	14808-60-7	Not Available	Not Available
SODIUM NITRITE	1-5	Not Available	7632-00-0	85 (oral, rat)	Not Available
CEMENT	15-40	**10 mg/ m ³	65997-15-1	Not Available	Not Available
*Total Dust					
**Breathable dust					

SECTION III: PHYSICAL CHARACTERISTICS

Physical State	:Powder	Boiling Point	:Not Applicable
Appearance and Odor	:Grey Powder, No odor	Freezing Point	:Not Applicable
Odor Threshold	:Not Applicable	Density	:2,8 g/ml
Evaporation Rate	:Not Applicable	Water Solubility	:< 1 %
Vapor Density	:Not Applicable	pH	:Not Established
Vapor Pressure	:Not Applicable	% volatility	:0
		Water/Oil Distribution	:Not Established



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART C

SECTION IV: FIRE AND EXPLOSION HAZARDS

Flammability If Yes, under what conditions	:No :	TDG Flammability Class Flammable upper limits (% vol.) Flammable lower limits (% vol.) Flash Point (method used) Auto-ignition temperature Dangerous Combustion Products	:Not Applicable :Not Applicable :Not Applicable :Not Applicable :Not Applicable :Not Applicable
Extinguishing methods	:Not Applicable	Protect from mechanical impact	:No
Special Methods	:None	Protect from static discharge	:No

SECTION V: REACTIVITY DATA

Chemical stability If not, under what conditions	:Yes :	Dangerous decomposition products:	Calcium Hydroxide at water contact.
Incompatibility with other material: If Yes, which ones:	Yes Water	Polymerization Risks	:No



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART C

SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: May cause irritation, burns and damages to the eyes, may cause cornea inflammation.

Skin: May cause irritation, burns and allergic reactions. The cement can burn the skin without great heat sensation.

Inhalation: May cause irritation to the respiratory system, inflammation to the nose tissues. A regular exposure to the quartz silica may cause changes to the lungs' fibers and lead to silicosis.

Ingestion: May cause irritation to the throat.

Carcinogenicity: NTP: no, OSHA: no, IARC: yes According to the IARC the quartz silica is a probable cause of cancer.

Toxic effects on reproduction :No

Teratogenicity :No

Mutagenicity :No

Product with synergistic effects: Secondary amines may react with sodium nitrite to form nitroso-amines that are a possible cause of cancer.

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



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART C

SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves :Ordinary, avoid direct skin contact with cement.

Respiratory equipment :NIOSH approved mask for dust, when the permissible exposure limit might be exceeded

Eyes :Safety glasses

Shoes :Ordinary

Clothing :Ordinary

Other :No

OTHERS

Ventilation: Sufficient ventilation required to control the dust.

Procedure in case of leaks: Try to recycle if the product is not contaminated. Protect yourself from the dust. Pick-up the spills with a vacuum in order to prevent dust spread.

Handling and Equipment methods: Avoid dust exposure

Warehouse Requirements: Keep all containers closed in a cool, dry area.

Special Shipping Instructions: Protect from humidity.

Waste Disposal:Harden with water and dispose like domestic garbage.



PRODUCT: SIKATOP® ARMATEC 110 EPOCEM® PART C

SECTION VIII: FIRST AID

Skin : Wash with plenty of soap and water the exposed areas.
Consult with a physician if irritation persists.

Eyes: Rinse eyes immediately with plenty of water for several minutes, while holding eyelids wide open, to ensure a proper wash. The
See 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.

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