SECTION I: PRODUCT INFORMATION

PRODUCT: SikaTop® Armatec 110 EpoCem® PART A REVISION DATE: February 1st, 2015

USAGE: BONDING AGENT AND ANTI-CORROSION COATING

MANUFACTURER/SUPPLIER: 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

Appearance and Odor: White Liquid, ether odor

hreshold: Not Established

Odor Threshold: Not Established
Evaporation Rate: Not Applicable
Vapor Density: Not Applicable

Vapor Pressure: Not Applicable

Boiling Point: Not Established Freezing Point: Not Established

Density: 1.1 g/ml Water Solubility: Partial

pH: Not Established

% volatility: < 40

Water/Oil Distribution: Not Established



PRODUCT: SikaTop® Armatec 110 EpoCem® PART A

SECTION IV: FIRE AND EXPLOSION HAZARDS

Flammability: No

If Yes, under what conditions:

Extinguishing methods: Foam, dry chemical

products, CO₂, 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.

TDG Flammability Class:

Flammable upper limits (% vol.): Flammable lower limits (% vol.): Flash Point (method used): Auto-ignition temperature:

Dangerous Combustion Products:

Not Applicable Not Established Carbon oxides,

Not Regulated

Not Applicable

Not Applicable

phenol

No

No

Protect from mechanical impact:

Protect from static discharge:

SECTION V: REACTIVITY DATA

Chemical stability: Yes

If not, under what conditions:

But, excessive

heat

will degrade the

resin.

Dangerous decomposition products: C

Carbon oxides,

phenol

Incompatibility with other material: Yes

If Yes, which ones: 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.

Skin: May be irritating to the skin, may cause

sensitization.

Inhalation: May irritate lungs, may cause an allergic

reaction.

Ingestion: May cause irritation of the gastro-

intestinal system.

Carcinogenicity: Not Established

Toxic effects

on reproduction: Not Established

Teratogenicity: Not Established

Mutagenicity: Not Established

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.

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: R & D of Sika Canada Inc.

Telephone #: (514) 697-2610 Fax #: (514) 694-2792

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AQ 191 A Date: 2012/02/01 App: S.G.

SECTION I: PRODUCT INFORMATION

PRODUCT: SikaTop® Armatec 110 EpoCem® PART B REVISION DATE: February 1st, 2015

USAGE: BONDING AGENT AND ANTI-CORROSION COATING

MANUFACTURER/SUPPLIER: 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

Appearance and Odor: Amber color with amine odor

Odor Threshold: Not Established Evaporation Rate: Not Applicable Vapor Pressure: Not Applicable Not Applicable

Boiling Point: Not Established Freezing Point: Not Established Density: 0.99 g/ml

Water Solubility: 0.99 g/m

Output

Density: 0.99 g/m

Partial

pH: Not Established

% volatility: < 75

Water/Oil Distribution: Not Established



Sika Canada Inc. MATERIAL SAFETY DATA SHEET

Birca				
PRODUCT: SikaTo	op [®] Armatec 110 EpoCem [®]	PART B		
SECTION IV: FIRE AND EXPLOSION HAZARDS				
Flammability: If Yes, under what conditions: Extinguishing methods:	Foam, dry chemical products, CO ₂ , water hose.	TDG Flammability Class: Flammable upper limits (% vol.): Flammable lower limits (% vol.): Flash Point (method used): Auto-ignition temperature: Dangerous Combustion Products:	None Not Applicable Not Applicable Not Applicable Not Established 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: RE	ACTIVITY DATA		
Chemical stability: If not, under what conditions:	Yes	Dangerous decomposition products:	Carbon oxides, nitrogen oxide, aldehyde, ketone.	
Incompatibility with other mater If Yes, which ones:	ial: 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.

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.

Carcinogenicity: Not Established

Toxic effects

on reproduction: Not Established

Teratogenicity: Not Established

Mutagenicity: Not Established

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 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.

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: R & D of Sika Canada Inc.

Telephone #: (514) 697-2610 Fax #: (514) 694-2792

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AQ 191 A Date: 2012/02/01 App: S.G.

SECTION I: PRODUCT INFORMATION

PRODUCT: SikaTop® Armatec 110 EpoCem® PART C REVISION DATE: February 1st, 2015

USAGE: BONDING AGENT AND ANTI-CORROSION COATING

MANUFACTURER/SUPPLIER: 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, E

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)
SILICA SAND	40-70	ACGIH *0.025 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

Boiling Point:

Density:

Freezing Point:

Physical State: Powder

Appearance and Odor: Grey Powder, No odor

Odor Threshold: Not Applicable Evaporation Rate: Not Applicable

Vapor Density: Not Applicable
Vapor Pressure: Not Applicable

Water Solubility: < 1 %
pH: Not Established

% volatility: 0

Water/Oil Distribution: Not Established

Not Applicable

Not Applicable

2,8 g/ml



Sika Canada Inc. MATERIAL SAFETY DATA SHEET

PRODUCT: SikaTo	op [®] 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):	Not Applicable Not Applicable Not Applicable Not Applicable		
Extinguishing methods:	Not Applicable	Auto-ignition temperature: Dangerous Combustion Products:	Not Applicable Not Applicable		
Special Methods:	None	Protect from mechanical impact:	No		
		Protect from static discharge:	No		
	SECTION V: RE	ACTIVITY DATA			
Chemical stability: If not, under what conditions:	Yes	Dangerous decomposition products:	Calcium Hydroxide at water contact.		
Incompatibility with other mater	ial: Yes	Polymerization Risks:	No		
If Yes, which ones:	Water				



SikaTop® Armatec 110 EpoCem® PRODUCT: **PART C**

SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: May cause irritation, burns and damages

to the eyes, may cause cornea

inflammation.

May cause irritation, burns and allergic Skin:

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: Not established

Teratogenicity: Not established

Mutagenicity: Not established

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.



SikaTop® Armatec 110 EpoCem® PRODUCT: **PART C SECTION VII: PREVENTIVE MEASURES OTHERS** PERSONAL PROTECTIVE EQUIPMENT Gloves: Ordinary, avoid direct skin contact Ventilation: Sufficient ventilation required to with cement. control the dust. Respiratory equipment: NIOSH approved mask for dust, Procedure in case when the permissible exposure of leaks: Try to recycle if the product is not contaminated. Protect yourself limit might be exceeded from the dust. Pick-up the spills with a vacuum in order to prevent Eyes: Safety glasses dust spread. Shoes: Ordinary Handling and Equipment methods: Clothing: Ordinary Avoid dust exposure Other: No 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.

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: R & D of Sika Canada Inc.

Telephone #: (514) 697-2610 Fax #: (514) 694-2792

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