



SECTION I: PRODUCT INFORMATION

PRODUCT: **Sikalastic Duocel 421 PART A** REVISION DATE: January 13, 2016

USAGE: Epoxy coating

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

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

TDG CLASSIFICATION: Coating solution WHMIS Classification: B2, D2A, D2B
UN NUMBER: 1139 Class: 3
Packaging Group II

SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD ₅₀ (mg/kg) (route, species)	LC ₅₀ (species, route)
EPOXY RESIN	30-60	Not available	25036-25-3	> 5000 (oral, rat)	Not available
ACETONE	15-40	ACGIH 500 ppm (TWA) 1000ppm (STEL)	67-64-1	5 800 (oral, rat)	30 000ppm/4H (rat)
TERT BUTYL ACETATE	7-13	ACGIH 200 ppm (TWA)	540-88-5	Not available	Not available
XYLENE	3-7	ACGIH 100ppm (TWA) 150ppm (STEL)	1330-20-7	4300 (oral, rat)	6350ppmh/4H (inh., rat)

SECTION III: PHYSICAL CHARACTERISTICS

Physical State: Liquid
Appearance and Odor: Clear or colored, epoxide and acetone odor
Odor Threshold: Not established
Evaporation Rate: > 1 (N-Butyl acetate=1)
Vapor Density: > 1 (air=1)
Vapor Pressure: Not applicable

Boiling Point: 56°C (Acetone)
Freezing Point: Not established
Density: 0.92 - 0.96 g/ml
Water Solubility: Not established
pH: Not established
% volatility: Not applicable
Water/Oil Distribution: Not established

PRODUCT: **Sikalastic Duocel 421****PART A****SECTION IV: FIRE AND EXPLOSION HAZARDS**

Flammability:	Flammable Liquid. Dangerous fire hazard.	TDG Flammability Class:	3
If Yes, under what conditions:	Avoid sparks, flame or static discharge.	Flammable upper limits (% vol.):	13.0
Extinguishing methods:	Foam, dry chemical products, CO ₂ , water hose.	Flammable lower limits (% vol.):	1.0
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.	Flash Point (method used):	-18°C (tcc)
		Auto-ignition temperature:	Not established
		Dangerous Combustion Products:	COx, phenol.
		Protect from mechanical impact:	No
		Protect from static discharge:	Yes

SECTION V: REACTIVITY

Chemical stability:	Yes	Dangerous decomposition products:	COx, phenol
If not, under what conditions	But avoid excessive heat.		
Incompatibility with other material:	Yes	Polymerization Risks:	No.
If Yes, which ones:	Oxidizer, bases and acids.		



PRODUCT: **Sikalastic Duocel 421**

PART A

SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: May cause eye irritations, pain and tears.

Skin: May cause skin irritations and dermatitis. May be absorbed through skin in harmful amount.

Inhalation: Vapor and mist may cause nasal and respiratory tract irritation. Severe intoxication may result in central nervous system depression.

Ingestion: May cause gastro-intestinal irritation and irritation of the mouth and throat. Aspiration of ingested materials into the lungs may provoke chemical pneumonitis which can be fatal.

Prolonged or repeated contact may cause skin sensitization and damages to the liver and kidneys.

Carcinogenicity: Not Established

Toxic effects on reproduction: Not Established

Teratogenicity: Xylene is classified as a development toxicant (Embryo toxin)

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: **Sikalastic Duocel 421**

PART A

SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves: Chemical resistant gloves.

Respiratory equipment: Use a NIOSH /MSHA approved air purifying organic vapor mask.

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. 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. Keep 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: Sikalastic Duocel 421 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.
Consult a physician if required.

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: Sika Canada R & D.
Telephone #: (514) 697-2610
Fax #: (514) 694-2792

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SECTION I: PRODUCT INFORMATION

PRODUCT: **Sikalastic Duocel 421 PART B** REVISION DATE: January 13, 2016

USAGE: Hardener

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

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

TDG CLASSIFICATION: Coating solution WHMIS Classification: B2, D2A, D2B
UN NUMBER: 1139 Class: 3
Packaging Group II

SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD ₅₀ (mg/kg) (route, species)	LC ₅₀ (species, route)
POYAMIDE RESIN	30-60	Not available	68410-22-0	Not available	Not available
ACETONE	30-60	ACGIH 500 ppm (TWA) 1000ppm (STEL)	67-64-1	5 800 (oral, rat)	30 000ppm/4H (rat)
XYLENE	7-13	ACGIH 100ppm (TWA) 150ppm (STEL)	1330-20-7	4300 (oral, rat)	6350ppmh/4H (inh., rat)

SECTION III: PHYSICAL CHARACTERISTICS

Physical State: Liquid
Appearance and Odor: Amber, with amine and aromatic odor
Odor Threshold: Not established
Evaporation Rate: < 1 (N-Butyl acetate=1)
Vapor Density: > 1 (air=1)
Vapor Pressure: Not applicable

Boiling Point: 56°C (Acetone)
Freezing Point: Not established
Density: 0.94 g/ml
Water Solubility: Not established
pH: Not established
% volatility: Not applicable
Water/Oil Distribution: Not established

PRODUCT: **Sikalastic Duocel 421****PART B****SECTION IV: FIRE AND EXPLOSION HAZARDS**

Flammability:	Flammable Liquid. Dangerous fire hazard.	TDG Flammability Class:	3
If Yes, under what conditions:	Avoid sparks, flame or static discharge.	Flammable upper limits (% vol.):	13.0
Extinguishing methods:	Foam, dry chemical products, CO ₂ , water hose.	Flammable lower limits (% vol.):	1.0
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.	Flash Point (method used):	-18°C (tcc)
		Auto-ignition temperature:	Not established
		Dangerous Combustion Products:	COx, oxides of nitrogen.
		Protect from mechanical impact:	No
		Protect from static discharge:	Yes

SECTION V: REACTIVITY

Chemical stability:	Yes	Dangerous decomposition products:	COx, oxides of nitrogen.
If not, under what conditions	But avoid excessive heat.		
Incompatibility with other material:	Yes		
If Yes, which ones:	Oxidizer and strong bases.	Polymerization Risks:	No.



PRODUCT: Sikalastic Duocel 421

PART B

SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: May cause severe eye irritations, permanent damages, even blindness.

Carcinogenicity: Not Established

Skin: May cause severe skin irritations, defatting drying of the skin and dermatitis. May be absorbed through skin in harmful amount

Toxic effects on reproduction: Not Established

Inhalation: Vapor and mist may cause nasal and respiratory tract irritation. Nausea, headache, dizziness, central nervous system depression.

Teratogenicity: Xylene is classified as a development toxicant (Embryo toxin)

Ingestion: May cause gastro-intestinal irritation and irritation of the mouth and throat. Possibility of burns and ulceration. Stomach pain, nausea and vomiting. Aspiration of ingested materials into the lungs may provoke chemical pneumonitis which can be fatal.

Mutagenicity: Not Established

Product with synergistic effects: Not Established

Prolonged or repeated contact may cause skin sensitization and damages to the liver and kidneys.

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



PRODUCT: **Sikalastic Duocel 421**

PART B

SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves: Chemical resistant gloves.

Respiratory equipment: Use a NIOSH /MSHA approved air purifying organic vapor mask.

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. 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. Keep 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: Sikalastic Duocel 421 PART B

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.
Consult a physician if required.

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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