



SECTION I: PRODUCT INFORMATION

PRODUCT: **Sikalastic Duochem 391 & SA Version PART A** REVISION DATE: October 19, 2012

USAGE: Urethane wear coat

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)
Castor oil	30-70	N.A.	8001-79-4	> 5000 (oral, rat)	N.A.

SECTION III: PHYSICAL CHARACTERISTICS

Physical State:	Liquid	Boiling Point:	Not established
Appearance and Odor:	Colored liquid, no odor	Freezing Point:	Not established
		Density:	1.04-1.10 g/ml
Odor Threshold:	Not established	Water Solubility:	No
Evaporation Rate:	Not applicable	pH:	Not established
Vapor Density:	Not applicable	% volatility:	Not applicable
Vapor Pressure:	Not applicable	Water/Oil Distribution:	Not established



PRODUCT: Sikalastic Duochem 391 & SA Version PART A

SECTION IV: FIRE AND EXPLOSION HAZARDS

Flammability:	No	TDG Flammability Class:	Not regulated
If Yes, under what conditions:		Flammable upper limits (% vol.):	Not established
Extinguishing methods:	Foam, dry chemical products, CO ₂ , water hose.	Flammable lower limits (% vol.):	Not established
		Flash Point (method used):	~ 282°C (tcc)
		Auto-ignition temperature:	Not established
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.	Dangerous Combustion Products:	COx
		Protect from mechanical impact:	No
		Protect from static discharge:	No

SECTION V: REACTIVITY

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



PRODUCT: **Sikalastic Duochem 391 & SA Version** PART A

SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: May cause light eye irritations.

Skin: No effect known or suspected.

Inhalation: No effect known.

Ingestion: May cause discomfort.

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: Sikalastic Duochem 391 & SA Version PART A

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, 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 Duochem 391 & SA Version 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 Duochem 391 & SA Version Part B** REVISION DATE: November 7, 2012

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: Not regulated WHMIS Classification: D1A, D2A, D2B
UN NUMBER: Not regulated Class: Not regulated
Packaging Group: Not regulated

SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD ₅₀ (mg/kg) (species, route)	LC ₅₀ (species, route)
ISOCYANIC ACID POLYMETHYLENE- PHENYLENE ESTER	30-60	NOT AVAILABLE	9016-87-9	>10 000((rat, oral)	490 mg/m ³ /4H (rat)
4,4'- DIPHENYLMETHAN E DIISOCYANATE (MDI)	30-60	ACGIH 0.005 ppm	101-68-8	31 600 (rat, oral)	369 mg/m ³ /4H (rat)

SECTION III: PHYSICAL CHARACTERISTICS

Physical State:	Liquid	Boiling Point:	208°C @ 5 mm Hg (MDI)
Appearance and Odor:	Brown with slightly musty odor	Freezing Point:	< 0°C
		Density:	1.24 g/ml
Odor Threshold:	Not available	Water Solubility:	Slight
Evaporation Rate:	Not available	pH:	Not available
Vapor Density:	8.5 (MDI)	% volatility by volume:	Not available
Vapor Pressure:	Not available	Water/Oil Distribution:	Not available



PRODUCT: **Sikalastic Duochem 391 & SA Version** Part B

SECTION IV: FIRE AND EXPLOSION HAZARDS

Flammability:	No	TDG Flammability Class:	Not applicable
If Yes, under what conditions:		Flammable upper limits (% vol.):	Not applicable
		Flammable lower limits (% vol.):	Not applicable
Extinguishing methods:	Water fog, CO ₂ , dry chemical, foam	Flash Point (setaflash closed cup):	> 200°C
		Auto-ignition temperature:	> 400°C
Special Methods:	Fire-fighters must wear complete protective clothing with respiratory equipment	Dangerous Combustion Products	Carbon oxides, nitrogen oxides, HCN and toxic fumes.
		Protect from mechanical impact:	No
		Protect from static discharge:	No

SECTION V: REACTIVITY DATA

Chemical stability:	Stable	Dangerous decomposition products:	Carbon oxides, when in contact with water.
If not, under what conditions:			
Incompatibility with other material:	Yes	Polymerization Risks:	May occur
If Yes, which ones:	Water, moisture, alcohol, amines and alkalis.		



PRODUCT: Sikalastic Duochem 391 & SA Version Part B

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: Will result in eye irritation, tears and redness. Temporary corneal damage may occur if left untreated.

Skin: May cause skin irritation, redness and swelling.

Inhalation: High vapor concentration may produce nausea, vomiting, headaches, dizziness, unconsciousness and asphyxia resulting in central nervous system effects, may be a respiratory sensitizer

Ingestion: May cause abdominal pain, vomiting and diarrhea. May cause mouth, digestive tube and stomach burns.

Over exposure may cause breathing difficulties, sensitization, headaches, nausea, vomiting.

May aggravate respiratory, skin, eye, lung problems and allergies.

If the product is applied according to the manufacturer, none of these symptoms should be encountered.

A person who is sensitized to isocyanate may have a reaction with a level of isocyanate well below the T.L.V.

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: Sikalastic Duochem 391 & SA Version 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 if TLV are exceeded

Eyes: Chemical goggles and full face shield

Shoes: Security shoes

Clothing: Long sleeved, body covering and protective clothing

Other: No

OTHERS

Ventilation: Use adequate ventilation

Procedure in case of leaks: Remove all sources of ignition (flames, sparks, etc.). Provide adequate ventilation. Avoid prolonged breathing of vapors. Remove to a container or absorb with clay, diatomaceous earth or other suitable inert absorbent.

Handling and Equipment Methods: Avoid inhalation, skin and eye contact. Wash repeatedly with soap and water during the workday.

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

Special Shipping Instructions: See TDG class.

Waste Disposal: Dispose of residues according to municipal, provincial or federal laws for disposal of chemicals. Do not incinerate closed containers.



PRODUCT: Sikalastic Duochem 391 & SA Version 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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