



## SECTION I: PRODUCT INFORMATION

PRODUCT: **Sikaflex® 1A (all colors) (MSDS# 4016)**REVISION DATE: February 1<sup>st</sup>, 2012

USAGE: ONE COMPONENT URETHANE BASED SEALANT

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  
UN NUMBER: Not Established  
Packaging Group: Not ApplicableWHMIS Classification: B3, D2A  
Class: 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)
CALCIUM OXIDE	1-5	Not Available	1305-78-8	Not Available	Not Available
XYLENE	1-5	ACGIH 100ppm (TWA) 150ppm (STEL)	1330-20-7	4300 (rat, oral)	6350ppm/4H
POLYOL AND ISOCYANATE PREPOLYMER	15-40	Not Established	Not Available	Not Established	Not Established

## SECTION III: PHYSICAL CHARACTERISTICS

Physical State: Paste  
Appearance and Odor: Aromatic odor with various colors  
  
Odor Threshold: Not Established  
Evaporation Rate: Not Established  
Vapor Density: Not Established  
Vapor Pressure: Not EstablishedBoiling Point: Not Established  
Freezing Point: Not Established  
Density: 1.2 g/ml  
Water Solubility: Not Established  
pH: Not Established  
% volatile: < 4%  
Water/Oil Distribution: Not Established

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**SECTION IV: FIRE AND EXPLOSION HAZARDS**

Flammability:	Combustible	TDG inflammability Class:	Not Regulated
If Yes, under what conditions:	Flame, spark	Flammable upper limits (% vol.):	Not Established
		Flammable lower limits (% vol.):	Not Established
		Flash Point (method used):	> 80°C (TCC)
Extinguishing methods:	Foam, dry chemical products, CO <sub>2</sub> , water for large flames.	Auto-ignition temperature:	Not Established
		Dangerous Combustion Products:	Carbon oxides, Aldehydes, Ketones, HCL, Nitrogen oxide, MDI, TDI
Special Methods:	Firefighters must wear complete protective clothing with respiratory equipment and they must protect any exposed skin. Heated isocyanates react strongly with water.	Protect from mechanical impact:	No
		Protect from static discharge:	No

**SECTION V: REACTIVITY DATA**

Chemical stability:	Yes	Dangerous decomposition products:	Carbon oxides, Aldehydes, Ketones, HCL, Nitrogen oxide, MDI, TDI
If not, under what conditions			
Incompatibility with other material:	Yes	Polymerization Risks:	No
If Yes, which ones:	Acid, strong oxidizer, amine.		

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**SECTION VI: TOXIC PROPERTIES**

## ROUTE OF ENTRY / CONTACT

Eyes: Irritating

Carcinogenicity: Not Established

Skin: Irritating. Contact may result in dermatitis, allergic reactions, and sensitization.

Toxic effects on reproduction: Not Established

Inhalation: Vapor or mist from this product may cause irritation.

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

Ingestion: May cause nausea, vomiting, diarrhea, gastro-intestinal system disorder, constipation.

Mutagenicity: Not Established

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.

Xylene is a central nervous system depressor and in rare cases, may cause a sensitization of the heart muscle causing arrhythmia.

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. An over exposure may cause death.

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Gloves: Use chemical resistant gloves.

Respiratory equipment: Not necessary under normal use.

Eyes: Full-face mask or safety glasses

Shoes: Ordinary

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 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.



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## SECTION VIII: FIRST AID

**Skin:** Remove contaminated clothing and shoes.  
Wash immediately with plenty of 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.  
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:** The Laboratory, Research and Development Department of Sika Canada Inc.  
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