



SECTION I: PRODUCT INFORMATION

PRODUCT: **Sikaflex®-220+** REVISION DATE: February 15, 2009

USAGE: ONE COMPONENT URETHANE BASED ADHESIVE

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: B3, D2A
UN NUMBER: Not Established Class: Not Applicable
Packaging Group: Not Applicable

SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD ₅₀ (species, route)	LC ₅₀ (species, route)
CALCIUM OXIDE	1-5	Not Available	1305-78-8	Not Available	Not Available
XYLENE	1-5	100 ppm	1330-20-7	4300 (oral, rat)	6350 ppm/4h
POLYOL AND ISOCYANATE PREPOLYMER	30-60	Not Established	Not Available	Not Established	Not Established
CARBON BLACK	10-30	Not Established	1333-86-4	Not Established	Not Established
AMORPHOUS SILICA	1-5	Not Established	7631-86-9	Not Established	Not Established
METHYLENE BISPHENYL ISOCYANATE	0.1-1	0.005 ppm (TWA)	101-68-8	Not Established	Not Established

SECTION III: PHYSICAL CHARACTERISTICS

Physical State:	Paste	Boiling Point:	Not Established
Appearance and Odor:	Aromatic odor black paste	Freezing Point:	Not Established
Odor Threshold:	Not Established	Density:	1,2 g/ml
Evaporation Rate:	Not Established	Water Solubility:	Not Established
Vapor Density:	Not Established	pH:	Not Established
Vapor Pressure:	Not Established	% volatile:	< 5
		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
Extinguishing methods:	Foam, dry chemical products, CO ₂ , water for large flames.	Flash Point (method used):	> 80°C
		Auto-ignition temperature:	Not Established
Special Methods:	Firefighters must wear complete protective clothing with respiratory equipment and they must protect any exposed skin. Heated isocyanates react strongly with water.	Dangerous Combustion Products:	Carbon oxides, Aldehydes, Ketones, HCL, Nitrogen Oxide, IPDI, MDI
		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, IPDI, MDI
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.

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

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

Ingestion: May cause nausea, vomiting, fainting, diarrhea, lung damage, gastro-intestinal system disorder, constipation, ulcers.

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.

Carcinogenicity: No

Toxic effects on reproduction: No

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

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. An over exposure may cause death.



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SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves: Use 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.

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

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