



## SECTION I: PRODUCT INFORMATION

PRODUCT: **Sikaflex®-2c NS EZ Mix TG**REVISION DATE: February 1<sup>st</sup>, 2015

USAGE:

MANUFACTURER/SUPPLIER: SIKA CANADA INC.  
601, avenue Delmar  
Pointe Claire, QC  
H9R 4A9**EMERGENCY TELEPHONE NUMBER: CANUTEC (collect) (613) 996-6666**

TDG CLASSIFICATION: Resin solution, flammable

TDG Class : 3

UN NUMBER: 1866

Packaging Group: III

WHMIS Classification : B3, D2A, D2B

**AIR, BOAT**Resin solution (contains isophorone diisocyanate  
homopolymer, xylene, ethyl benzene), 3, UN1866, III

## SECTION II: HAZARDOUS INGREDIENTS

Hazardous ingredients	%	T.L.V.	# CAS	LD <sub>50</sub> (mg/kg) (species, route)	LC <sub>50</sub> (species, route)
Isophorone Diisocyanate	< 0.5	ACGIH 0.005ppm (TWA)	4098-71-9	4825 (rat, oral)	123 (rat, oral)
Isophorone diisocyanate homopolymer	60-100	N/A	53880-05-0	N/A	N/A
Propylene glycol monomethyl ether acetate	10-20	N/A	108-65-6	10 000(rat, oral)	N/A
XYLENE	10-20	ACGIH 100ppm (TWA) 150ppm (STEL)	1330-20-7	4300 (rat, oral)	6350ppm/4H

## SECTION III: PHYSICAL CHARACTERISTICS

Physical State: Liquid  
Appearance and Odor: Pale yellow, solvent like odor  
Odor Threshold: Not available  
Evaporation Rate: Not available  
Vapor Density: Not available  
Vapor Pressure: 3.7 mmHg at 20°CBoiling Point: 140°C  
Freezing Point: Not available  
Density: 1.08 g/mL  
Water Solubility: Insoluble  
pH: Not available  
% volatility: 35 %  
Water/Oil Distribution: Not available



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**SECTION IV: FIRE AND EXPLOSION HAZARDS**

Flammability:	Yes	TDG Flammability Class:	3
If Yes, under what conditions:	Heat, sparks, open flame and ignition sources	Flammable upper limits (% vol.):	13.1%
		Flammable lower limits (% vol.):	0.8%
		Flash Point (method used):	40°C
		Auto-ignition temperature:	315°C
Extinguishing methods:	Foam, dry chemical products, CO <sub>2</sub> , water spray.	Dangerous Combustion Products:	Carbon oxides, toxic gases, (IPDI) and aerosols.
Special Methods:	Irritating & toxic gases (IPDI) and aerosols from the decomposition/combustion product may be present. Fire fighters should wear the usual protective gear and a self-contained breathing apparatus.	Protect from mechanical impact:	Not Applicable
		Protect from static discharge:	Not Applicable

**SECTION V: REACTIVITY DATA**

Chemical stability:	Yes	Dangerous decomposition products:	Carbon oxides, nitrogen oxides (NO <sub>x</sub> ), hydrogen cyanide, isocyanate, isocyanic acid.
If not, under what conditions	Avoid sparks, open flame and heat.		
Incompatibility with other material:	Yes	Polymerization Risks:	May occur with contact with water.
If Yes, which ones:	Water, amine, strong bases, alcohols, copper alloys and aluminum.		



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SECTION VI: TOXIC PROPERTIES

ROUTE OF ENTRY / CONTACT

Eyes: Liquid, aerosols or vapors (isocyanate and solvents) are irritating, cause tearing, reddening and swelling. May cause conjunctivitis.

Skin Prolonged contact could cause reddening, swelling, rash, scaling, or blistering

Inhalation: IPDI vapors at concentration above TLV can irritate the mucous membranes in the respiratory tract causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduces lung function.

Ingestion: Irritation and possible corrosive action in mouth, stomach tissue and digestive tract. Vomiting may cause aspiration of the solvent resulting in chemical pneumonitis.

Persons with pre-existing, non-specific bronchial hyper reactivity can respond to concentration below the TLV with similar symptoms as well as asthma attack.

Solvent vapours can cause headache, nausea, narcosis, fatigue and loss of appetite.

Repeated exposure or single large exposure can cause isocyanane sensitization (chemical asthma) which will cause them to react to a later exposure to isocyanate at levels well below the TLV.

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 skin and/or respiratory problems, loss of memory, loss of coordination, and possible brain and nervous system damage. CONDITION AGGRAVATED BY EXPOSURE: asthma and any other respiratory disorders, skin allergies, eczema.



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SECTION VII: PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves: Butyl rubber, nitrile, neoprene.

Respiratory equipment: Proper fitted NIOSH- approved respirator if PEL are exceeded, or product heated, sprayed.

Eyes: Safety glasses or goggles

Shoes: Safety shoes

Clothing: Long sleeve shirt & long pants

Other: Wash thoroughly after handling

OTHERS

Ventilation: Adequate general and local exhaust ventilation required

Procedure in case of leaks: Evacuate all nonessential personnel. Remove all sources of ignition. Wear proper PPE. Contain spill and collect with absorbent material. Transfer the solid and liquid in suitable containers. Avoid contact, ventilate enclosed area

Handling and Equipment methods: Avoid every skin, eye and clothing contact. Do not breathe vapors. Wash thoroughly with soap and water after handling.

Warehouse Requirements: Store at min 0°C – 54°C max; ideal 10-27°C. If container is exposed to heat, pressure can build up. If moisture enters containers, pressure may build up due to reaction. Store in cool, dry area in tightly closed containers away from sparks and open flames

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 at least 30 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.  
If the person stops breathing, give artificial resuscitation.  
Consult a physician immediately.

**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.  
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