

## 1. Product and company identification

Product name	Sikaflex®-1c SL
Supplier	Sika Corporation 201 Polito Avenue
Telephone Telefax Emergency telephone e-mail address of person responsible for this SDS	Lyndhurst, NJ 07071 (201) 933-8800 (201) 804-1076 CHEMTREC: 800-424-9300 INTERNATIONAL: 703-527-3887 ehs@sika-corp.com
Manufacturer	Sika Corporation, Operations 201 Polito Avenue Lyndhurst, NJ 07071 www.sikausa.com
Telephone	(201) 933 - 8800
Chemical family	Polyurethane

#### 2. Hazards identification

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

#### Potential Health Effects

Inhalation	May cause respiratory tract irritation. Harmful if inhaled in high concentrations
Skin	May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May cause gastrointestinal disturbance.
Warning	Causes central nervous system depression Possible cancer hazard. Contains material which may cause cancer based on animal data.

See Section 11 for more detailed information on health effects and symptoms.

## 3. Composition/information on ingredients

<u>Component</u>	CAS Number
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10- rich	68515-49-1
titanium dioxide	13463-67-7
xylene	1330-20-7
Isophorondiamine-Isobutyraldimine	54914-37-3
ethylbenzene	100-41-4
quartz (SiO2)	14808-60-7



There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

#### 4. First aid measures

First aid procedures	
Inhalation	If inhaled, remove to fresh air. If breathing is difficult, trained personnel should give oxygen. If not breathing, give artificial respiration. Get medical attention.
Skin contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately if irritation develops and persists.
Eye contact	If easy to do, remove contact lens, if worn. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion	If swallowed, contact a poison control center or physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel Never give anything by mouth to an unconscious person.
Notes to physician	
Treatment	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

#### 5. Fire-fighting measures

Fire fighting	
Suitable extinguishing media	Foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	Water
Further information	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk without suitable training.

Protective equipment and precautions for firefighters		
Specific hazards during fire fighting	Combustible liquid Do not use a solid water stream as it may scatter and spread fire. Risk of a subsequent explosion.	



	In a fire or if heated, a pressure increase will occur and the container may burst. Cool closed containers exposed to fire with water spray.
Special protective equipment for firefighters	Firefighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

Personal precautions	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. No action shall be taken involving any personal risk without suitable training. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Material can create slippery conditions.
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for containment and cleaning up	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Large spills should be collected mechanically (remove by pumping) for disposal.

## 7. Handling and storage

Handling	For personal protection see section 8. Avoid inhalation, ingestion and contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Use explosion-proof equipment. No sparking tools should be used. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Ensure all equipment is electrically grounded before beginning transfer operations. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage	Vapors are heavier than air and may spread along floors. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep product and empty container away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. To maintain product quality, do not store in heat or direct sunlight. Store in accordance with local regulations.



#### 8. Exposure controls/personal protection

Exposure limit(s)					
<u>Component</u>	CAS Number	Content %	<u>Basis *</u>	<u>Value</u>	<u>Exposure limit(s)</u> / <u>Form of exposure</u>
xylene	1330-20-7	1 - 5	ACGIH	TWA	100 ppm
		1 - 5	ACGIH	STEL	150 ppm
		1 - 5	OSHA P1	TWA	100 ppm 435 mg/m3
		1 - 5	OSHA P0	TWA	100 ppm 435 mg/m3
		1 - 5	OSHA P0	STEL	150 ppm 655 mg/m3
ethylbenzene	100-41-4	0.1 - 1	ACGIH	TWA	100 ppm
		0.1 - 1	ACGIH	STEL	125 ppm
		0.1 - 1	OSHA P1	TWA	100 ppm 435 mg/m3
		0.1 - 1	OSHA P0	TWA	100 ppm 435 mg/m3
		0.1 - 1	OSHA P0	STEL	125 ppm 545 mg/m3

- \* <u>Basis</u> ACGIH. Threshold Limit Values (TLV) OSHA P0. Table Z-1, Limit for Air Contaminat (1989 Vacated Values)
- OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant
- OSHA P2. Permissible Exposure Limits (PEL), Table Z-2
- OSHA Z3. Table Z-3, Mineral Dust

Engineering measures	Use explosion-proof equipment. Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.	
Personal protective equipment		
Eye protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.	
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.	
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Skin and body protection	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

## 9. Physical and chemical properties

Appearance	
Form	viscous
Color	gray
Odor	aromatic
Safety data	
Flash point	190.00 °F (87.78 °C)
Density	ca.1.29 g/cm3 at 68 °F (20 °C)
Volatile organic compounds (VOC) content	33.6 g/l

# 10. Stability and reactivity

Stability	Stable under normal conditions.
	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Extremes of temperature and direct sunlight.
Materials to avoid	not applicable
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

Acute oral toxicity	Component: Isophorondiamine-Isobutyraldimine LD50 Oral rat
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	Dose: 4,150 mg/kg		
Chronic Exposure	of the chemicals in this p and nervous system dan	Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.	
<b>Carcinogenicity</b>			
IARC	Group 1: Carcinogenic t	o humans	
	quartz (SiO2)	14808-60-7	
	Group 2B: Possibly card	inogenic to humans	
	titanium dioxide	13463-67-7	
	ethylbenzene	100-41-4	
OSHA	not applicable		
NTP	not applicable		
ACGIH	Suspected human carci	nogen	
	quartz (SiO2)	14808-60-7	
	Confirmed animal carcir	Confirmed animal carcinogen with unknown relevance to humans	
	ethylbenzene	100-41-4	
12 Ecological information			
12. Ecological information			
Other information	in a safe way.	ns; dispose of this material and its container ed material and runoff and contact with soil, sewers.	

#### 13. Disposal considerations

Waste disposal methods	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### 14. Transport information

DOT Not dangerous goods IATA Not dangerous goods IMDG Not dangerous goods

#### 15. Regulatory information

#### Federal Regulations

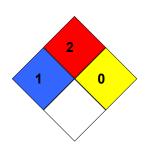
	Material	Safety Data Sheet		
	Sikaflex	®-1c SL		
Rev	vision Date 12/18/2012			Print Date 12/18/2012
	TSCA Status SARA 311/312 Hazards	On TSCA Inven Fire Hazard Acute Health Ha Chronic Health I	azard	
	EPCRA - Emergency Pl	anning Community Right	<u>- To - Know</u>	
	SARA 302 Ingredients SARA 313 Ingredients	not applicable xylene	1330-20-7	1.7 %
	<u>Clean Air Act</u>			
	Ozone-Depletion Poten		ther contains, nor was man defined by the U.S. Clean A, App.A + B).	
	The following chemical xylene	l(s) are listed as HAP unde	r the U.S. Clean Air Act, S 1330-20-7	Section 12 (40 CFR 61): 1.7 %
	This product does not of Act Section 12 (40 CFR	contain any hazardous air 61).	pollutants (HAP), as defin	ed by the U.S. Clean Air
	State Regulations			
	California Prop. 65 Ingredients	WARNING! This California to cau	s product contains a chemic se cancer.	al known in the State of
			s product contains a chemic se birth defects or other rep	

#### 16. Other information

**HMIS Classification** 

Health	*	1
Flammability		2
Physical Hazard		0
Personal Protection	า	В

**NFPA Classification** 



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background, data, and consumer advice on fire protection, problems and prevention. Please note HMIS<sup>®'</sup> attempts to convey full health warning information to all employees while NFPA is meant primarily for fire fighters and other emergency responders.

#### Notes to Reader

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