

Sikaflex SL 1 limestone Formerly MSeal SL 1 limestone

Version 2.0	Revision Date: 04/08/2024		DS Number: 0000700857	Date of last issue: 01/06/2021 Date of first issue: 04/28/2020			
SECTIO	N 1. IDENTIFICATION						
Pro	duct name	:	Sikaflex SL 1 lime	estone Formerly MSeal SL 1 limestone			
Product code		:	: 00000000050452546				
Ма	nufacturer or supplier's	deta	ails				
Coi	mpany name of supplier	:	Sika MBCC US L	LC			
Ado	lress	:	201 POLITO AVE Lyndhurst NJ 070	-			
Em	ergency telephone	:	ChemTel: +1-813	-248-0585			
Re	commended use of the	chen	nical and restriction	ons on use			
Red	commended use	:	Sealant				
Re	estrictions on use :		Reserved for indu	ustrial and professional use.			

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	:	Category 4
Eye irritation	:	Category 2A
Respiratory sensitization	:	Category 1
Skin sensitization	:	Category 1
Carcinogenicity	:	Category 2
Specific target organ toxicity - repeated exposure (Inhala- tion)	:	Category 1 (Central nervous system)
GHS label elements		
Hazard pictograms	:	
Signal Word	:	Danger

Hazard Statements

according to the OSHA Hazard Communication Standard



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		culties if inhaled. H351 Suspected H372 Causes dar	ious eye irritation. allergy or asthma symptoms or breathing diffi- of causing cancer. nage to organs (Central nervous system) d or repeated exposure if inhaled.
Precau	tionary Statements	Prevention:	
		P201 Obtain spec P202 Do not hand and understood. P210 Keep away No smoking. P260 Do not brea P264 Wash skin t P270 Do not eat, P272 Contaminat the workplace. P280 Wear proteo face protection.	cial instructions before use. dle until all safety precautions have been read from heat/ sparks/ open flames/ hot surfaces. the mist or vapors. horoughly after handling. drink or smoke when using this product. ed work clothing must not be allowed out of ctive gloves/ protective clothing/ eye protection/ hadequate ventilation wear respiratory protec-
		Response:	
		P304 + P341 IF II son to fresh air ar P305 + P351 + P3 for several minute to do. Continue rin P308 + P313 IF e attention. P333 + P313 If sk attention. P337 + P313 If ey tion. P342 + P311 If ex POISON CENTER P363 Wash conta	xposed or concerned: Get medical advice/ kin irritation or rash occurs: Get medical advice/ ve irritation persists: Get medical advice/ atten- kperiencing respiratory symptoms: Call a R/ doctor. Iminated clothing before reuse. ase of fire: Use dry sand, dry chemical or alco-
		Storage: P403 + P235 Stor P405 Store locked	re in a well-ventilated place. Keep cool.
		Disposal:	contents/ container to an approved waste dis-



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Other hazards

Contains isocyanates. Inhalation of isocyanate mists or vapors may cause respiratory irritation, breathlessness, chest discomfort and reduced pulmonary function. Overexposure well above the PEL may result in bronchitis, bronchial spasms and pulmonary edema. Animal tests indicate that skin contact may play a role in causing respiratory sensitization.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Sealant

Components

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 30 - < 50
Titanium dioxide	13463-67-7	>= 1 - < 5
Stoddard solvent	8052-41-3	>= 1 - < 5
calcium oxide	1305-78-8	>= 1 - < 5
Bis[2-[2-(1-methylethyl)-3-	59719-67-4	>= 1 - < 5
oxazolidinyl]ethyl] hexan-1,2-		
diylbiscarbamate		
p-Toluenesulphonyl isocyanate	4083-64-1	>= 0.1 - < 1
toluene-2,6-diisocyanate	91-08-7	>= 0.1 - < 1
3-Oxazolidineethanol, 2-(1-	145899-78-1	>= 0.1 - < 1
methylethyl)-, 3,3'-carbonate		

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice If inhaled		First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing. Keep patient calm, remove to fresh air. If symptoms persist, seek medical advice.
In case of skin contact	:	Wash thoroughly with soap and water
In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. DO NOT induce vomiting unless directed to do so by a physi- cian or poison control center.
Most important symptoms and effects, both acute and delayed	:	May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled. Suspected of causing cancer.



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				Causes damage t exposure if inhale	o organs through prolonged or repeated d.
	Notes t	o physician	:	Treat symptomation	cally.
SEC	TION 5	. FIRE-FIGHTING ME	ASU	RES	
	Suitabl	e extinguishing media	:	Foam Water spray Dry powder Carbon dioxide (C	O2)
	Unsuita media	able extinguishing	:	water jet	
	Hazard ucts	ous combustion prod-	:	fumes/smoke harmful vapours Carbon oxides nitrogen oxides carbon black	
	Further	information	:	the fire conditions If exposed to fire, Collect contamina allow to reach sev	keep containers cool by spraying with water. ted extinguishing water separately, do not vage or effluent systems. inguishing water must be disposed of in
		l protective equipment fighters	:	Wear a self-conta	ined breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec-	:	Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	:	Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.
Methods and materials for containment and cleaning up	:	Contain spillage, and then collect with non-combustible ab- sorbent material, (e.g. sand, earth, diatomaceous earth, ver- miculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

according to the OSHA Hazard Communication Standard



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		on protection against explosion	:	ignition.	open flames, hot surfaces and sources of a naked flame or any incandescent material.
A	Advice	on safe handling	:	Avoid contact with For personal prot Smoking, eating a plication area. Provide sufficient Dispose of rinse regulations. Persons suscepti allergies, chronic	apors/dust. obtain special instructions before use.
С	Conditi	ons for safe storage	:		original container in a cool, dry, well- way from ignition sources, heat or flame. ct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Limestone	1317-65-3	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respir- able fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respir- able dust fraction)	5 mg/m3	OSHA P0
		TWA (Res- pirable)	5 mg/m3 (Calcium car- bonate)	NIOSH REL
		TWA (total)	10 mg/m3 (Calcium car- bonate)	NIOSH REL
Titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA (Res- pirable par-	0.2 mg/m3 (Titanium dioxide)	ACGIH

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			ticulate mat- ter)				
			TWA (Res- pirable par- ticulate mat- ter)	2.5 mg/m3 (Titanium dioxide)	ACGIH		
Stodd	lard solvent	8052-41-3	TŴA	100 ppm	ACGIH		
			TWA	350 mg/m3	NIOSH RE		
			С	1,800 mg/m3	NIOSH RE		
			TWA	500 ppm 2,900 mg/m3	OSHA Z-1		
			TWA	100 ppm 525 mg/m3	OSHA P0		
calciu	m oxide	1305-78-8	TWA	2 mg/m3	ACGIH		
			TWA	2 mg/m3	NIOSH RE		
			TWA	5 mg/m3	OSHA Z-1		
			TWA	5 mg/m3	OSHA P0		
toluer	ne-2,6-diisocyanate	91-08-7	С	0.02 ppm 0.14 mg/m3	OSHA Z-1		
			TWA (Inhal- able fraction and vapor)	0.001 ppm	ACGIH		
			STEL (Inhal- able fraction and vapor)	0.005 ppm	ACGIH		
			TWA	0.005 ppm 0.04 mg/m3	OSHA P0		
			STEL	0.02 ppm 0.15 mg/m3	OSHA P0		
Engir	neering measures	: Provide ade concentration	•	ntilation to control wo	ork place		
Perso	onal protective equip	ment					
Respi	iratory protection	may be exc		spirator when exposu	re limits		
Hand	protection						
Re	emarks			gloves. Manufacture ved because of great			
Eye p	rotection	: Wear safety	Wear safety glasses with side shields or goggles.				
Skin a	and body protection	•••	Body protection must be chosen based on level of activity and exposure.				

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		Handle in accord and safety practi	obtain special instructions before use. ance with good building materials hygiene ce. d work clothing is recommended.
Hygiene measures		 When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and the end of the shift. At the end of the shift the skin should be cleaned and ski care agents applied. Gloves must be inspected regularly and prior to each use Replace if necessary (e.g. pinhole leaks). 	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	paste
Color	:	light gray
Odor	:	mild
Odor Threshold	:	not determined
рН	:	neutral
Melting point/freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	185 °F / 85 °C
		Method: closed cup
Evaporation rate	:	No data available
Flammability (liquids)	:	Combustible liquid.
Self-ignition	:	not self-igniting
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available

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Relative vapor density	:	No data available)
Relative density	:	No data available	
Density	:	11.3 lb/USg (77 °	²F / 25 °C)
Solubility(ies) Water solubility	:	No data available	9
Solubility in other sc	lvents :	No data available)
Partition coefficient: n- octanol/water	:	not applicable for	mixtures
Autoignition temperatur	e :	No data available)
Viscosity Viscosity, dynamic	:	Not applicable	
Viscosity, kinematic	:	Not applicable	
Explosive properties	:	Not explosive	
Oxidizing properties	:	Not an oxidizer.	
Sublimation point	:	No data available)
Molecular weight	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No hazardous reactions if stored and handled as pre- scribed/indicated.
Chemical stability	:	The product is stable if stored and handled as pre- scribed/indicated.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong acids Strong bases Strong oxidizing agents Strong reducing agents

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Suspected of causing cancer.

IARC	Group 2B: Possibly carcinogenic to humans	
	Titanium dioxide	13463-67-7
	Group 2B: Possibly carcinogenic to humans	
	toluene-2,6-diisocyanate	91-08-7
	(toluene diisocyanates)	
	· · ·	

NTPReasonably anticipated to be a human carcinogen
toluene-2,6-diisocyanate91-08-7

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks

Health injuries are not known or expected under normal use.
 The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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SECTION 12. ECOLOGICAL INFORMATION

:	Not classified based on available information.
:	Not classified based on available information.
ity	
:	Do not discharge product into the environment without control The product has not been tested. The statements on ecotoxic cology have been derived from the properties of the individual components.
	: ity

Disposal methods		
Waste from residues	Dispose of in accordance with national, state and local tions.	U
	Do not contaminate ponds, waterways or ditches with cal or used container. Do not discharge into drains/surface waters/groundwat	
Contaminated packaging	Contaminated packaging should be emptied as far as and disposed of in the same manner as the sub- stance/product.	oossible

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good



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IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
toluene-2,6-diisocyanate	91-08-7	100	31575
SARA 313 :		oonents are subject Title III, Section 31	t to reporting levels es- 13:
	toluene-2,6- diisocyanate	91-08-7	>= 0.1 - < 1 %
US State Regulations			
Pennsylvania Right To Know			
Limestone			1317-65-3
Titanium dioxide			13463-67-7
Di-isononylphthalate			28553-12-0
Stoddard solvent			8052-41-3
calcium oxide			1305-78-8
toluene-2,6-diisocyanat	е		91-08-7
New Jersey Right To Know			
Limestone			1317-65-3
Titanium dioxide			13463-67-7
Stoddard solvent			8052-41-3
calcium oxide			1305-78-8
toluene-2,6-diisocyanat	е		91-08-7
California Dran 65			

California Prop. 65

WARNING: This product can expose you to chemicals including Titanium dioxide, which is/are known to the State of California to cause cancer, and

toluene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

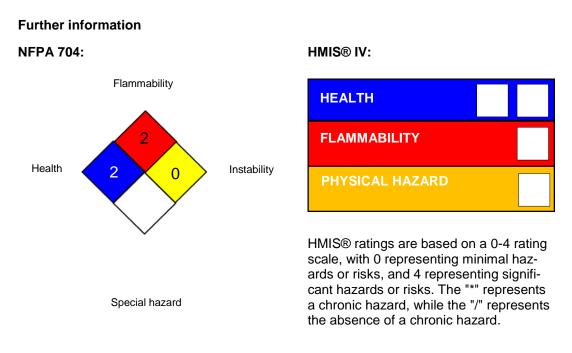


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DSL			contains one or more components listed on the SL. All other components are on the Canadian
TSCA	list		
The fo	bllowing substance(s) is	s/are subject to a Sig	gnificant New Use Rule:
toluer	e-2,6-diisocyanate	91-08-7	See 40 CFR § 721.10789; Proposed Rule
4-met	hyl-m-phenylene diisoo	cyanate 584-84-9	See 40 CFR § 721.10789; Proposed Rule
The f			A 10(b) our out a stification requirements

The following substance(s) is/are subject to TSCA 12(b) export notification requirements: toluene-2,6-diisocyanate 91-08-7

SECTION 16. OTHER INFORMATION



Full text of other abbreviations

ACGIH NIOSH REL		USA. ACGIH Threshold Limit Values (TLV) USA. NIOSH Recommended Exposure Limits
OSHA P0		USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
ACGIH / TWA ACGIH / STEL		8-hour, time-weighted average Short-term exposure limit

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NIOSH REL / TWA NIOSH REL / C OSHA P0 / TWA OSHA P0 / STEL OSHA Z-1 / TWA OSHA Z-1 / C		workday durir Ceiling value 8-hour time w Short-term ex	ed average concentration for up to a 10-hour ng a 40-hour workweek not be exceeded at any time. veighted average cposure limit veighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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