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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name : Sikafloor-151/267 (B)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Epoxy coating, Product is not intended for consumer use

### 1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Limited
		Watchmead Welwyn Garden City
		Hertfordshire. AL7 1BQ
Telephone	:	+44 (0)1707 394444
Telefax	:	+44 (0)1707 329129
E-mail address of person	:	EHS@uk.sika.com
responsible for the SDS		-

#### **1.4 Emergency telephone number**

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Skin corrosion, Sub-category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Cat-	H412: Harmful to aquatic life with long lasting ef-
egory 3	fects.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	L.S.	
Signal word	:	Danger	•
Hazard statements	:	H302 H314 H317	Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction.



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	H412	Harmful to aquatic life with long fects.	lasting ef-
Precautionary statements :	Prevention:		
	P261	Avoid breathing mist or vapours	·.
	P273	Avoid release to the environmer	nt.
	P280	Wear protective gloves/ protecti	ve clothing/
		eye protection/ face protection.	-
	Response:		
	P303 + P361 + F	P353 IF ON SKIN (or hair): Tak ately all contaminated clothing. with water.	
	P304 + P340 + F	P310 IF INHALED: Remove per air and keep comfortable for bre mediately call a POISON CENT	eathing. Im-
	P305 + P351 + F	P338 + P310 IF IN EYES: Rins with water for several minutes. If tact lenses, if present and easy tinue rinsing. Immediately call a CENTER/ doctor.	e cautiously Remove con- to do. Con-

## Hazardous components which must be listed on the label:

3-aminomethyl-3,5,5-trimethylcyclohexylamine 3,6,9-triazaundecamethylenediamine

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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# **SECTION 3: Composition/information on ingredients**

## 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
benzyl alcohol	100-51-6 202-859-9 01-2119492630-38- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319 Acute toxicity esti- mate Acute oral toxicity: 1.620 mg/kg Acute inhalation tox- icity (dust/mist): 4,178 mg/l	>= 40 - < 60
3-aminomethyl-3,5,5- trimethylcyclohexylamine	2855-13-2 220-666-8 01-2119514687-32- XXXX	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 	>= 25 - < 40
3,6,9- triazaundecamethylenediamine	112-57-2 203-986-2 01-2119487290-37- XXXX (covered by CAS 90640-66-7)	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 2; H411 Acute toxicity esti- mate Acute oral toxicity: 1.716,2 mg/kg Acute dermal toxicity: 1.260 mg/kg	>= 10 - < 20



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2,4,6- tris(dimethylaminomethyl)phenol Contains: bis[(dimethylamino)methyl]phenol <= 15 %	90-72-2 202-013-9 01-2119560597-27- XXXX	Acute Tox. 4; H302 Skin Corr. 1C; H314 Eye Dam. 1; H318	>= 5 - < 10	

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures General advice Move out of dangerous area. : Consult a physician. Show this safety data sheet to the doctor in attendance. If inhaled Move to fresh air. : Consult a physician after significant exposure. In case of skin contact · Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Small amounts splashed into eyes can cause irreversible tis-In case of eye contact sue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing. If swallowed Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. 4.2 Most important symptoms and effects, both acute and delayed Symptoms Gastrointestinal discomfort Allergic reactions Dermatitis See Section 11 for more detailed information on health effects and symptoms. Risks Health injuries may be delayed. corrosive effects sensitising effects Harmful if swallowed.



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		May cause an allergic skin reaction. Causes serious eye damage.	
		Causes severe burns.	
4.3 Indication of any immediate r	nec	lical attention and special treatment needed	d
Treatment	:	Treat symptomatically.	
SECTION 5: Firefighting meas	sur	 ?S	
5.1 Extinguishing media			
Suitable extinguishing media	:	In case of fire, use water/water spray/water je ide/sand/foam/alcohol resistant foam/chemica extinction.	
5.2 Special hazards arising from	the	substance or mixture	
Hazardous combustion prod- ucts	:	No hazardous combustion products are know	'n
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breath	hing apparatus.
Further information	:	Standard procedure for chemical fires.	
SECTION 6: Accidental releas	e n	neasures	
6.1 Personal precautions protec	tive	aquinment and emergency procedures	
6.1 Personal precautions, protec Personal precautions	tive :	e equipment and emergency procedures Use personal protective equipment.	
	tive :		
Personal precautions	tive :	Use personal protective equipment.	
	: : :	Use personal protective equipment.	
Personal precautions 6.2 Environmental precautions	:	Use personal protective equipment. Deny access to unprotected persons. Do not flush into surface water or sanitary set If the product contaminates rivers and lakes or respective authorities.	

For personal protection see section 8.



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## **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling Advice on safe handling Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products Advice on protection against Normal measures for preventive fire protection. 1 fire and explosion Hygiene measures Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. 7.2 Conditions for safe storage, including any incompatibilities Requirements for storage Keep container tightly closed in a dry and well-ventilated areas and containers place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations. Further information on stor-No decomposition if stored and applied as directed. age stability 7.3 Specific end use(s) Consult most current local Product Data Sheet prior to any Specific use(s) use.

## **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

•				
Components	CAS-No.	Value type (Form	Control parame-	Basis *
		of exposure)	ters *	

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

## **Engineering measures**

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment



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Eye/face protection :	Safety glasses with side-shields conforming to Eye wash bottle with pure water Wear eye/face protection.	EN166
Hand protection :	Chemical-resistant, impervious gloves complying proved standard must be worn at all times whe chemical products. Reference number EN 374 facturer specifications.	en handling
	Suitable for short time use or protection agains Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.	st splashes:
Skin and body protection :	Protective clothing (e.g. Safety shoes acc. to E long-sleeved working clothing, long trousers). and protective boots are additionaly recommen and stirring work.	Rubber aprons
Respiratory protection :	No special measures required.	
Environmental exposure contr	ols	
General advice :	Do not flush into surface water or sanitary sew If the product contaminates rivers and lakes or respective authorities.	

## **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

Physical state Colour Odour	:	liquid light yellow amine-like
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or o	exp	losive limits
<b>Upper/lower flammability or</b> Upper explosion limit / Up- per flammability limit	•	
Upper explosion limit / Up-	•	No data available



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Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	ca. 11 (20 °C) Concentration: 50 %	
Viscosity			
Viscosity, dynamic	:	ca. 40 mPa.s (20 °C)	
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)	
Solubility(ies)			
Water solubility	:	insoluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	0,07 hPa	
Density	:	ca. 0,99 g/cm3 (20 °C)	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
9.2 Other information			
No data available			
SECTION 10: Stability and real 10.1 Reactivity No dangerous reaction known 10.2 Chemical stability The product is chemically stat	n und ble.	der conditions of normal use.	
<b>10.3 Possibility of hazardous rea</b> Hazardous reactions	actio :	o <b>ns</b> Stable under recommended storage conditions	).

## 10.4 Conditions to avoid

Conditions to avoid : No data available

## 10.5 Incompatible materials

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## **10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

## **SECTION 11: Toxicological information**

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>Acute toxicity</b> Harmful if swallowed.		
Components:		
benzyl alcohol:		
Acute oral toxicity		LD50 Oral (Rat): 1.620 mg/kg
		Acute toxicity estimate: 1.620 mg/kg Method: Calculation method
Acute inhalation toxicity	:	LC50 (Rat): > 4,178 mg/l Exposure time: 4 h Test atmosphere: dust/mist
		Acute toxicity estimate: 4,178 mg/l Test atmosphere: dust/mist Method: Calculation method
3-aminomethyl-3,5,5-trimet	hylo	cyclohexylamine:
Acute oral toxicity	:	Acute toxicity estimate: 1.030 mg/kg Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008
		LD50 Oral (Rat): 1.030 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 2.000 mg/kg
		LD50 (Rabbit): > 2.000 - 5.000 mg/kg
3,6,9-triazaundecamethyler	nedi	amine:
Acute oral toxicity	:	LD50 Oral (Rat): 1.716,2 mg/kg
		Acute toxicity estimate: 1.716,2 mg/kg Method: Calculation method
Acute dermal toxicity	:	LD50 Dermal (Rat): 1.260 mg/kg





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Acute toxicity estimate: 1.260 mg/kg Method: Calculation method

## 2,4,6-tris(dimethylaminomethyl)phenol:

Acute oral toxicity	:	LD50 (Rat): > 1.999 mg/kg Remarks: Harmful if swallowed.
		Annex VI - Harmonised
		REGULATION (EC) No 1272/2008

### Skin corrosion/irritation

Causes severe burns.

#### Components:

### 2,4,6-tris(dimethylaminomethyl)phenol:

Species Assessment Method	-	Rabbit Corrosive OECD Test Guideline 404
Assessment Remarks		irritating Annex VI - Harmonised REGULATION (EC) No 1272/2008

## Serious eye damage/eye irritation

Causes serious eye damage.

### Components:

### 2,4,6-tris(dimethylaminomethyl)phenol:

Species Assessment	-	Rabbit Causes serious eye damage.
Assessment Remarks		irritating Annex VI - Harmonised REGULATION (EC) No 1272/2008

#### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.



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### Reproductive toxicity

Not classified based on available information.

## STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### **11.2 Information on other hazards**

## **Endocrine disrupting properties**

### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

## **Components:**

## benzyl alcohol:

sonilly: alloonon		
Toxicity to fish	:	LC50 (Fish): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
3-aminomethyl-3,5,5-trimeth	ylc	yclohexylamine:
Toxicity to algae/aquatic plants	:	ErC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l Exposure time: 72 h
		NOEC (Desmodesmus subspicatus (green algae)): 1,5 mg/l Exposure time: 72 h

## 2,4,6-tris(dimethylaminomethyl)phenol:

Toxicity to algae/aquatic	:	EC50 (Scenedesmus capricornutum (fresh water algae)): > 10
plants		- 100 mg/l
		Exposure time: 72 h



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12.2 Persistence and degradability No data available		
12.3 Bioaccumulative potential No data available		
<b>12.4 Mobility in soil</b> No data available		
12.5 Results of PBT and vPvB ass	essment	
Product:		
Assessment :	This substance/mixture contains no comport to be either persistent, bioaccumulative and very persistent and very bioaccumulative (v 0.1% or higher	l toxic (PBT), or
12.6 Endocrine disrupting properti	es	
Product:		
Assessment :	The substance/mixture does not contain con- ered to have endocrine disrupting properties REACH Article 57(f) or Commission Delega (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	s according to ted regulation
12.7 Other adverse effects		
Product:		
Additional ecological infor- : mation	An environmental hazard cannot be exclude unprofessional handling or disposal. Harmful to aquatic life with long lasting effe	
SECTION 13: Disposal conside	rations	
13.1 Waste treatment methods		
Product :	The generation of waste should be avoided	or minimized
	wherever possible. Empty containers or liners may retain some	

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

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.



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		Avoid dispersal of spilled material and runoff an soil, waterways, drains and sewers.	d contact with
European Waste Catalogue	:	08 01 11* waste paint and varnish containing o vents or other dangerous substances	rganic sol-
Contaminated packaging	:	15 01 10* packaging containing residues of or on the second substances	contaminated

## **SECTION 14: Transport information**

14.1 UN number or ID number		
ADR	:	UN 2735
IMDG	:	UN 2735
ΙΑΤΑ	:	UN 2735
14.2 UN proper shipping name		
ADR	:	AMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, 3,6,9- triazaundecamethylenediamine)
IMDG	:	AMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, 3,6,9- triazaundecamethylenediamine)
ΙΑΤΑ	:	Amines, liquid, corrosive, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, 3,6,9- triazaundecamethylenediamine)
14.3 Transport hazard class(es)		
		Class Subsidiary risks
ADR	:	8
IMDG	:	8
ΙΑΤΑ	:	8
14.4 Packing group		
<b>ADR</b> Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code		III C7 80 8 (E)
IMDG Packing group Labels	:	III 8



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EmS Code	:	F-A, S-B		
IATA (Cargo) Packing instruction (cargo aircraft)	:	856		
Packing instruction (LQ) Packing group Labels	:	Y841 III Corrosive		
<b>IATA (Passenger)</b> Packing instruction (passen- ger aircraft)	:	852		
Packing instruction (LQ) Packing group Labels	:	Y841 III Corrosive		
14.5 Environmental hazards				
<b>ADR</b> Environmentally hazardous	:	no		
<b>IMDG</b> Marine pollutant	:	no		
<b>IATA (Passenger)</b> Environmentally hazardous	:	no		
IATA (Cargo)				

Environmentally hazardous : no

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## **SECTION 15: Regulatory information**

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Not applicable
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Brit- ain)	:	Not applicable



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International Chemical Weapo Schedules of Toxic Chemicals	, , , , , , , , , , , , , , , , , , , ,	
Regulation (EC) No 1005/200 plete the ozone layer	9 on substances that de- : Not applicable	
UK REACH List of substances (Annex XIV)	subject to authorisation : Not applicable	
GB Export and import of haza Informed Consent (PIC) Regu		
Control of Major Accident Haz 2015 (COMAH)	ards Regulations Not applicable	
Volatile organic compounds	: Law on the incentive tax for volatile organic c (VOCV) Volatile organic compounds (VOC) content: 4	
	Directive 2010/75/EU of 24 November 2010 of emissions (integrated pollution prevention an Volatile organic compounds (VOC) content: 4	d control)

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

<ul> <li>Environmental Protection Act 1990 &amp; Subsidiary Regulations Health and Safety at Work Act 1974 &amp; Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards</li> </ul>
Regulations (COMAH), and amendments.

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## **SECTION 16: Other information**

## Full text of H-Statements

H302 : Harmful if swallowed.	
H312 : Harmful in contact with skin.	
H314 : Causes severe skin burns and eye damage	э.
H317 : May cause an allergic skin reaction.	
H318 : Causes serious eye damage.	
H319 : Causes serious eye irritation.	
H332 : Harmful if inhaled.	
H411 : Toxic to aquatic life with long lasting effects	<b>}.</b>

### Full text of other abbreviations



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Acute Tox.:Acute toxicityAquatic Chronic:Long-term (chronic) aquatic hazardEye Dam.:Serious eye damageEye Irrit.:Eye irritationSkin Corr.:Skin corrosionSkin Sens.:Skin sensitisationADR:European Agreement concerning the International Carriage of Dangerous Goods by RoadCAS:Chemical Abstracts ServiceDNEL:Derived no-effect levelEC50:Half maximal effective concentrationGHS:Globally Harmonized SystemIATA:International Air Transport AssociationIMDG:International Maritime Code for Dangerous GoodsLD50:Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)LC50:Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)MARPOL:International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978OEL:Occupational Exposure Limit PBTPBT:Persistent, bioaccumulative and toxic PNECPNEC:Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals AgencySVHC:Substances of Very High Concern vPvB:: <t< th=""><th></th><th></th></t<>		
Eye Dam.: Serious eye damageEye Irrit.: Eye irritationSkin Corr.: Skin corrosionSkin Sens.: Skin sensitisationADR: European Agreement concerning the International Carriage of Dangerous Goods by RoadCAS: Chemical Abstracts ServiceDNEL: Derived no-effect levelEC50: Half maximal effective concentrationGHS: Globally Harmonized SystemIATA: International Air Transport AssociationIMDG: International Maritime Code for Dangerous GoodsLD50: Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)LC50: International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978OEL: Occupational Exposure LimitPBT: Predicted no effect concentrationREACH: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals AgencySVHC: Substances of Very High Concern		
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## Further information

Classification of the mixture:		Classification procedure:
Acute Tox. 4	H302	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	Calculation method

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version !

Version 4.6

# Sikafloor-151/267 (B)

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