

Version 2.0

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

## **1.1 Product identifier**

Trade name

: Sikafloor®-2640 Part B

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

Product use : Epoxy coating

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

Company name of supplier	:	Sika Ireland Ltd
		Sika House
		Ballymun Industrial Estate
		Dublin 11
Telephone	:	+353 1862 0709
E-mail address of person responsible for the SDS	:	EHS@UK.Sika.com

## **1.4 Emergency telephone number**

National Poisons Information Centre (NPIC) (01) 809 2166 (available 8am - 10pm every day)

Sika Ireland (01) 862 0709 (available during office hours)

## **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 1A	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- egory 3	H412: Harmful to aquatic life with long lasting ef- fects.

## 2.2 Label elements

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	<ul> <li>H302 Harmful if swallowed.</li> <li>H314 Causes severe skin burns and eye damage.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	:	Prevention:P261Avoid breathing mist or vapours.P273Avoid release to the environment.P280Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response: P303 + P361 + P353 IF ON SKIN (or hair): Take off immedi- ately all contaminated clothing. Rinse skin with water.
		P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Im- mediately call a POISON CENTER/ doctor.
		P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove con- tact lenses, if present and easy to do. Con- tinue rinsing. Immediately call a POISON CENTER/ doctor.

Hazardous components which must be listed on the label:

1,3-Cyclohexanedimethanamine benzyl alcohol N-benzylethylenediamine

## 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)
1,3-Cyclohexanedimethanamine	2579-20-6 219-941-5 01-2119543741-41- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1A; H314 Eye Dam. 1; H318 Aquatic Chronic 3; H412 Acute toxicity esti- mate Acute oral toxicity: 301 mg/kg Acute dermal toxicity: 1.700 mg/kg	>= 40 - < 60
benzyl alcohol	100-51-6 202-859-9 01-2119492630-38- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319 Skin Sens. 1B; H317 Acute toxicity esti- mate Acute oral toxicity: 1.200 mg/kg	>= 10 - < 20
N-benzylethylenediamine	4152-09-4 223-984-5 01-2120822346-58- XXXX	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Chronic 3; H412 Acute toxicity esti- mate Acute oral toxicity: 300,03 mg/kg	>= 10 - < 20

For explanation of abbreviations see section 16.





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## **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 difficul- ty.			
In case of eye contact	:	Small amounts splashed into eyes can cause irreversible tis- 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 ar	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. May cause an allergic skin reaction. Causes serious eye damage. Causes severe burns.			
4.3 Indication of any immediate medical attention and special treatment needed					

Treatment : Treat symptomatically.



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## **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media	:	In case of fire, use water/water spray/water jet/carbon diox-
		ide/sand/foam/alcohol resistant foam/chemical powder for
		extinction.

## 5.2 Special hazards arising from the substance or mixture

Hazardous combustion prod- :	No hazardous combustion products are known
ucts	

## 5.3 Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
Further information	:	Standard procedure for chemical fires.

## **SECTION 6: Accidental release measures**

# 6.1 Personal precautions, protective equipment and emergency procedures Personal precautions Use personal protective equipment. Deny access to unprotected persons. 6.2 Environmental precautions Environmental precautions Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8.

## **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 asth-

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		ma, allergies, chronic or recurrent respiratory of not be employed in any process in which this i used. Smoking, eating and drinking should be prohit plication area. Follow standard hygiene measures when hand products	mixture is being bited in the ap-
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection	۱.
Hygiene measures	:	Handle in accordance with good industrial hyg practice. When using do not eat or drink. Whe smoke. Wash hands before breaks and at the	n using do not
7.2 Conditions for safe storage,	inc	luding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well place. Containers which are opened must be o sealed and kept upright to prevent leakage. So ance with local regulations.	carefully re-
Further information on stor- age stability	:	No decomposition if stored and applied as dire	ected.
7.3 Specific end use(s)			
Specific use(s)	:	Consult most current local Product Data Shee use.	t prior to any

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

#### 8.1 Control parameters

## **Occupational Exposure Limits**

•	•				
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

Eye/face protection	: Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water Wear eye/face protection.

Hand protection	: Chemical-resistant, impervious gloves complying with an ap-
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		proved standard must be worn at all times wh chemical products. Reference number EN 374 facturer specifications.	
		Suitable for short time use or protection again 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 long-sleeved working clothing, long trousers). and protective boots are additionally recomme and stirring work.	Rubber aprons
Respiratory protection	:	No special measures required.	
Environmental exposure of	ontro	ls	
General advice	:	Do not flush into surface water or sanitary sev If the product contaminates rivers and lakes o respective authorities.	

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

## 9.1 Information on basic physical and chemical properties

Physical state Appearance Colour	:	liquid viscous liquid colourless
Odour	:	amine-like
Melting point/ range / Freez- ing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or	exp	losive limits
Upper explosion limit / Up- per flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available

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Flash point	: > 101 °C Method: closed cup	
Auto-ignition temperature	: No data available	
	No data available	
Decomposition temperature	: No data available	
рН	: ca. 11 Concentration: 50 %	
Viscosity		
Viscosity, dynamic	: ca. 20 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	: 23 hPa	
	23 hPa	
Density	: ca. 0,98 g/cm3 (20 °C)	
Relative vapour density	: No data available	
Particle characteristics	: No data available	

## 9.2 Other information

No data available



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## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

## 10.2 Chemical stability

The product is chemically stable.

10.3 P	ossibilit	y of haz	ardous	reactions	

Hazardous reactions : Stable under recommended storage conditions.

10.4 Cond	itions to	avoid
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Conditions to avoid : No data available

10.5	Incom	patible	materials
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Materials to avoid : No data available

## **10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

## **SECTION 11: Toxicological information**

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

Acute toxicity Harmful if swallowed. <u>Components:</u>		
1,3-Cyclohexanedimethana	min	le:
Acute oral toxicity	:	LD50 Oral: 301 mg/kg
benzyl alcohol:		
Acute oral toxicity	:	Acute toxicity estimate: 1.200 mg/kg Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008
		LD50 Oral (Rat): 1.200 mg/kg
N-benzylethylenediamine:		
Acute oral toxicity	:	LD50 Oral (Rat): > 300 - < 2.000 mg/kg
		Acute toxicity estimate: 300,03 mg/kg Method: Calculation method

## SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878 Sikafloor®-2640 Part B



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> Skin corrosion/irritation Causes severe burns.

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Serious eye damage/eye irritation Causes serious eye damage. Respiratory or skin sensitisation Skin sensitisation May cause an allergic skin reaction. Respiratory sensitisation Not classified due to lack of data.

## Germ cell mutagenicity

Not classified due to lack of data.

## Carcinogenicity

Not classified due to lack of data.

## Reproductive toxicity

Not classified due to lack of data.

#### STOT - single exposure

Not classified due to lack of data.

## STOT - repeated exposure

Not classified due to lack of data.

## Aspiration toxicity Not classified due to lack of data.

#### 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:

Toxicity to fish

: LC50 (Fish): > 100 mg/l

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	Exposure time: 96 h	
Toxicity to daphnia and other : aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h	
N-benzylethylenediamine:		
Toxicity to fish :	LC50 (Fish): > 100 mg/l Exposure time: 96 h	
Toxicity to daphnia and other : aquatic invertebrates	EC50 (calculated) (Daphnia magna (Water flea)) mg/l Exposure time: 48 h	ı: 10 - 100
Toxicity to algae/aquatic : plants	EC50 (Desmodesmus subspicatus (green algae mg/l Exposure time: 72 h	)): 10 - 100
<b>12.2 Persistence and degradability</b> No data available		
12.3 Bioaccumulative potential		

No data available

#### 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment

: 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..

#### **12.6 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.

#### 12.7 Other adverse effects

#### Product:

Additional ecological infor-	:	An environmental hazard cannot be excluded in the event of
mation		unprofessional handling or disposal.
		Harmful to aquatic life with long lasting effects.



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## **SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

Product	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residu This material and its container must be disposed of in a sa way. Dispose of surplus and non-recyclable products via a licer waste disposal contractor. Disposal of this product, solutions and any by-products sh at all times comply with the requirements of environmenta protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact w soil, waterways, drains and sewers.	afe nsed ould I
European Waste Catalogue	08 01 11* waste paint and varnish containing organic sol- vents or other dangerous substances	
Contaminated packaging	15 01 10* packaging containing residues of or contaminate by dangerous substances	ed

## **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. (1,3-Cyclohexanedimethanamine, N-benzylethylenediamine)		
IMDG	:	AMINES, LIQUID, CORROSIVE, N.O.S. (1,3-Cyclohexanedimethanamine, N-benzylethylenediamine)		
ΙΑΤΑ	:	Amines, liquid, corrosive, n.o.s. (1,3-Cyclohexanedimethanamine, N-benzylethylenediamine)		
14.3 Transport hazard class(es)				
		Class	Subsidiary risks	
ADR	:	8		
IMDG	:	8		
ΙΑΤΑ	:	8		

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## 14.4 Packing group

Cla Ha La	<b>DR</b> cking group assification Code izard Identification Number bels nnel restriction code	:	l C7 88 8 (E)	
Pa La	<b>DG</b> cking group bels nS Code	:	l 8 F-A, S-B	
Pa air Pa	<b>FA (Cargo)</b> cking instruction (cargo craft) cking group bels	:	854 I Corrosive	
Pa ge Pa	<b>TA (Passenger)</b> cking instruction (passen- r aircraft) cking group bels	:	850 I Corrosive	
14.5 Environmental hazards				
<b>AE</b> En	<b>DR</b> vironmentally hazardous	:	no	
	<b>DG</b> arine pollutant	:	no	

IATA (Passenger) 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

: Not applicable

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors



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REACH Information:	All substances contair - registered by our up - registered by us, and - excluded from the re - exempted from the r	strea d/or egula	am suppliers, and/or ation, and/or	
REACH - Restrictions on the ma the market and use of certain da mixtures and articles (Annex XV	ngerous substances,	:	Conditions of restriction fo lowing entries should be construction Number on list 3	
			Number on list 75:	
REACH - Candidate List of Subs Concern for Authorisation (Article		:	None of the components a (=> 0.1 %).	re listed
REACH - List of substances sub (Annex XIV)	ject to authorisation	:	Not applicable	
Regulation (EC) on substances t layer	hat deplete the ozone	:	Not applicable	
Regulation (EU) 2019/1021 on p tants (recast)	ersistent organic pollu-	:	Not applicable	
Regulation (EU) No 649/2012 of ment and the Council concerning of dangerous chemicals		:	Not applicable	
Seveso III: Directive 2012/18/EU jor-accident hazards involving da		nen	t and of the Council on the c	control of ma-
Volatile organic compounds :	Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: 19,5% w/w			
	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 19,51% w/w			

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

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Health, safety and environ- mental regulation/legislation specific for the substance or mixture:	<ul> <li>Environmental Protection Act 1990 &amp; Sul Health and Safety at Work Act 1974 &amp; Su Control of Substances Hazardous to Hea (COSHH)</li> <li>May be subject to the Control of Major Ac Regulations (COMAH), and amendments</li> </ul>	ubsidiary Regulations alth Regulations ccident Hazards

## 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 H312 H314 H317 H318 H319 H332 H412	: Ha : Ca : Ma : Ca : Ca : Ha : Ha	armful if swallowed. armful in contact with skin. auses severe skin burns and eye damage. lay cause an allergic skin reaction. auses serious eye damage. auses serious eye irritation. armful if inhaled. armful to aquatic life with long lasting effects.
Full text of other abbreviation	ns	
Acute Tox. Aquatic Chronic Eye Dam. Eye Irrit. Skin Corr. Skin Sens. ADR	: Lo : Se : Ey : Sk : Sk	cute toxicity ong-term (chronic) aquatic hazard erious eye damage ye irritation kin corrosion kin sensitisation uropean Agreement concerning the International Carriage of
CAS DNEL EC50 GHS IATA IMDG LD50 LC50	Da CH CH CH CH CH CH CH CH CH CH CH CH CH	angerous Goods by Road hemical Abstracts Service erived no-effect level alf maximal effective concentration lobally Harmonized System iternational Air Transport Association iternational Maritime Code for Dangerous Goods ledian lethal dosis (the amount of a material, given all at nce, which causes the death of 50% (one half) of a group of est animals) ledian lethal concentration (concentrations of the chemical in ir that kills 50% of the test animals during the observation
MARPOL OEL PBT PNEC REACH	pe : Ini : Or : Pe : Pr : Re	eriod) Iternational Convention for the Prevention of Pollution from hips, 1973 as modified by the Protocol of 1978 Inccupational Exposure Limit ersistent, bioaccumulative and toxic redicted no effect concentration egulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg-

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SVHC vPvB	<ul> <li>istration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency</li> <li>Substances of Very High Concern</li> <li>Very persistent and very bioaccumulative</li> </ul>			
Further information				
Classification of the mixtur	re:	Classification proced	ure:	
Acute Tox. 4	H302	Calculation method		
Skin Corr. 1A	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 !

IE / EN