



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

1.1 Product identifier

Trade name : Sikafloor®-327 Part B

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

At present there is no complete information available on identified uses. When the data becomes available, it will be integrated into the safety data sheet.

1.3 Details of the supplier of the safety data sheet

Company : Sika Limited
Watchmead
Welwyn Garden City
Hertfordshire AL7 1BQ
United Kingdom

Telephone : +44 (0)1707 394444

1.4 Emergency telephone number

Emergency telephone number : +44 (0)1707 363899 (available during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Type of product : Mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.

Classification (67/548/EEC, 1999/45/EC)

Harmful R20: Harmful by inhalation.

R48/20: Harmful: danger of serious damage to

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 according to Regulation (EC) No. 1907/2006
Sikafloor®-327 Part B



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Carcinogenic Category 3	health by prolonged exposure through inhalation. R40: Limited evidence of a carcinogenic effect.
Sensitising	R42/43: May cause sensitisation by inhalation and skin contact.
Irritant	R36/37/38: Irritating to eyes, respiratory system and skin.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:																	
Signal word	:	Danger																
Hazard statements	:	<table border="0"> <tr> <td style="vertical-align: top;">H315</td> <td style="vertical-align: top;">Causes skin irritation.</td> </tr> <tr> <td style="vertical-align: top;">H317</td> <td style="vertical-align: top;">May cause an allergic skin reaction.</td> </tr> <tr> <td style="vertical-align: top;">H319</td> <td style="vertical-align: top;">Causes serious eye irritation.</td> </tr> <tr> <td style="vertical-align: top;">H332</td> <td style="vertical-align: top;">Harmful if inhaled.</td> </tr> <tr> <td style="vertical-align: top;">H334</td> <td style="vertical-align: top;">May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td> </tr> <tr> <td style="vertical-align: top;">H335</td> <td style="vertical-align: top;">May cause respiratory irritation.</td> </tr> <tr> <td style="vertical-align: top;">H351</td> <td style="vertical-align: top;">Suspected of causing cancer.</td> </tr> <tr> <td style="vertical-align: top;">H373</td> <td style="vertical-align: top;">May cause damage to organs through prolonged or repeated exposure.</td> </tr> </table>	H315	Causes skin irritation.	H317	May cause an allergic skin reaction.	H319	Causes serious eye irritation.	H332	Harmful if inhaled.	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	H335	May cause respiratory irritation.	H351	Suspected of causing cancer.	H373	May cause damage to organs through prolonged or repeated exposure.
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Precautionary statements	:	<table border="0"> <tr> <td colspan="2">Prevention:</td> </tr> <tr> <td style="vertical-align: top;">P201</td> <td style="vertical-align: top;">Obtain special instructions before use.</td> </tr> <tr> <td style="vertical-align: top;">P260</td> <td style="vertical-align: top;">Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.</td> </tr> <tr> <td style="vertical-align: top;">P280</td> <td style="vertical-align: top;">Wear protective gloves/ eye protection/ face protection.</td> </tr> <tr> <td colspan="2">Response:</td> </tr> <tr> <td style="vertical-align: top;">P308 + P313</td> <td style="vertical-align: top;">IF exposed or concerned: Get medical advice/ attention.</td> </tr> <tr> <td style="vertical-align: top;">P333 + P313</td> <td style="vertical-align: top;">If skin irritation or rash occurs: Get medical advice/ attention.</td> </tr> <tr> <td style="vertical-align: top;">P337 + P313</td> <td style="vertical-align: top;">If eye irritation persists: Get medical advice/ attention.</td> </tr> </table>	Prevention:		P201	Obtain special instructions before use.	P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.	P280	Wear protective gloves/ eye protection/ face protection.	Response:		P308 + P313	IF exposed or concerned: Get medical advice/ attention.	P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.	P337 + P313	If eye irritation persists: Get medical advice/ attention.
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Hazardous components which must be listed on the label:

- 618-498-9 Diphenylmethanediisocyanate, isomeres and homologues
- 202-966-0 4,4'-methylenediphenyl diisocyanate
- 227-534-9 diphenylmethane-2,4'-diisocyanate
- 219-799-4 2,2'-methylenediphenyl diisocyanate

Additional Labelling:

Contains isocyanates. May produce an allergic reaction.



2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
 This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Diphenylmethanediisocyanate, isomers and homologues 9016-87-9 618-498-9	Carc.Cat.3; R40 Xn; R20-R48/20 Xi; R36/37/38 R42/43	Acute Tox.4; H332 Skin Irrit.2; H315 Eye Irrit.2; H319 Resp. Sens.1; H334 Skin Sens.1; H317 Carc.2; H351 STOT SE3; H335 STOT RE2; H373	>= 50 - <= 100
4,4'-methylenediphenyl diisocyanate 101-68-8 202-966-0 01-2119457014-47-XXXX	Carc.Cat.3; R40 Xn; R20-R48/20 Xi; R36/37/38 R42/43	Acute Tox.4; H332 Eye Irrit.2; H319 STOT SE3; H335 Skin Irrit.2; H315 Resp. Sens.1; H334 Skin Sens.1; H317 Carc.2; H351 STOT RE2; H373	>= 10 - < 20
diphenylmethane-2,4'-diisocyanate 5873-54-1 227-534-9 01-2119480143-45-XXXX	Carc.Cat.3; R40 Xn; R20-R48/20 Xi; R36/37/38 R42/43	Acute Tox.4; H332 Eye Irrit.2; H319 STOT SE3; H335 Skin Irrit.2; H315 Resp. Sens.1; H334 Skin Sens.1; H317 Carc.2; H351 STOT RE2; H373	>= 5 - < 10
2,2'-methylenediphenyl diisocyanate 2536-05-2 219-799-4 01-2119927323-43-XXXX	Carc.Cat.3; R40 Xn; R20-R48/20 Xi; R36/37/38 R42/43	Acute Tox.4; H332 Eye Irrit.2; H319 STOT SE3; H335 Skin Irrit.2; H315 Resp. Sens.1; H334	>= 3 - < 5



		Skin Sens.1; H317 Carc.2; H351 STOT RE2; H373	
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For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, 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.
If symptoms persist, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- 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 : Asthmatic appearance
Cough
Respiratory disorder
Allergic reactions
Excessive lachrymation
Erythema
Headache
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.
- Risks : irritant effects
sensitising effects

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.



SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

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 materials 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 formation of aerosol. Avoid exceeding of 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. Provide sufficient air exchange and/or exhaust in work rooms. Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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 areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters *	Basis *
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	TWA	0,02 mg/m3	GB EH40
		STEL	0,07 mg/m3	GB EH40
4,4'-methylenediphenyl diisocyanate	101-68-8	TWA	0,02 mg/m3	GB EH40
		STEL	0,07 mg/m3	GB EH40
diphenylmethane-2,4'-diisocyanate	5873-54-1	TWA	0,02 mg/m3	GB EH40
		STEL	0,07 mg/m3	GB EH40
2,2'-methylenediphenyl diisocyanate	2536-05-2	TMW	0,005 ppm	AT OEL
		KZW	0,05 mg/m3	AT OEL
		TWA	0,01 ppm	AT OEL
		STEL	0,1 mg/m3	AT OEL
		TWA	0,02 mg/m3	GB EH40
		STEL	0,07 mg/m3	GB EH40



8.2 Exposure controls

Personal protective equipment

- Eye protection : Safety glasses with side-shields
Eye wash bottle with pure water
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
- Suitable for short time use or protection against splashes:
Butyl rubber/nitrile rubber gloves (0,4 mm),
Contaminated gloves should be removed.
Suitable for permanent exposure:
Viton gloves (0.4 mm),
breakthrough time >30 min.
- Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
- Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
organic vapor filter (Type A)
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm
Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.
- Ensure adequate ventilation, especially in confined areas.

Environmental exposure controls

- General advice : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform



respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: brown
Odour	: characteristic
Odour Threshold	: No data available
Flash point	: ca. 220 °C
Ignition temperature	: not applicable
Lower explosion limit (Vol%)	: No data available
Upper explosion limit (Vol%)	: No data available
Flammability (solid, gas)	: No data available
Oxidizing properties	: No data available
Auto-ignition temperature	: No data available
pH	: No data available
Melting point/range / Freezing point	: No data available
Boiling point/boiling range	: No data available
Vapour pressure	: No data available
Density	: ca. 1,24 g/cm ³ at 20 °C
Water solubility	: Note: insoluble
Partition coefficient: n-octanol/water	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: > 7 mm ² /s at 40 °C
Relative vapour density	: No data available
Evaporation rate	: No data available



9.2 Other information

No data available

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 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

Diphenylmethanediisocyanate, isomeres and homologues :

Acute oral toxicity : LD50 Oral rat: > 10.000 mg/kg

Acute inhalation toxicity : Acute toxicity estimate : 1,5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Expert judgement

Acute dermal toxicity : LD50 Dermal rabbit: > 9.400 mg/kg

4,4'-methylenediphenyl diisocyanate :

Acute inhalation toxicity : Acute toxicity estimate : 1,5 mg/l
Test atmosphere: dust/mist
Method: Expert judgement

Skin corrosion/irritation

Product

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Causes skin irritation.

Serious eye damage/eye irritation

Product

Causes serious eye irritation.

Respiratory or skin sensitisation

Product

May cause an allergic skin reaction.

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

Germ cell mutagenicity

Product

Mutagenicity : No data available

Carcinogenicity

Product

Carcinogenicity : Suspected of causing cancer.

Reproductive Toxicity/Fertility

Reproductive toxicity : No data available

No data available

Reproductive Toxicity/Development/Teratogenicity

Teratogenicity : No data available

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12: Ecological information

12.1 Toxicity

No data available



12.2 Persistence and degradability

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 Other adverse effects

No data available

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 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.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- European Waste Catalogue : 08 05 01* waste isocyanates
- Contaminated packaging : 15 01 10* packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

ADR

Not dangerous goods

IATA

Not dangerous goods

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IMDG

Not dangerous goods

14.6 Special precautions for user

No data available

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

not applicable

SECTION 15: Regulatory information

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

Labelling according to EC Directives (1999/45/EC)

Hazard pictograms :



Harmful

R-phrase(s)	:	R20 R36/37/38	Harmful by inhalation. Irritating to eyes, respiratory system and skin.
		R40 R42/43	Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact.
		R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
S-phrase(s)	:	S23 S36/37	Do not breathe vapour. Wear suitable protective clothing and gloves.
		S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Hazardous components which must be listed on the label:

- 618-498-9 Diphenylmethanediisocyanate, isomeres and homologues
- 202-966-0 4,4'-methylenediphenyl diisocyanate
- 227-534-9 diphenylmethane-2,4'-diisocyanate
- 219-799-4 2,2'-methylenediphenyl diisocyanate

Special labelling of certain mixtures : Contains isocyanates. See information supplied by the manufacturer.

Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on : Banned and/or restricted



the market and use of certain dangerous substances, preparations and articles (Annex XVII) (Diphenylmethanediisocyanate) (4,4'-methylenediphenyl diisocyanate) (o-(p-isocyanatobenzyl)phenyl isocyanate (Vapour and aerosols)) (2,2'-methylenediphenyl diisocyanate)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : None of the components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) : not applicable

REACH Information: All substances contained in our Products are
- preregistered or registered by our upstream suppliers, and/or
- preregistered or registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

VOC-CH (VOCV) : no VOC duties

VOC-EU (solvent) : not applicable

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

Health, safety and environmental regulation/legislation specific for the substance or mixture: : The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002
Control of Substances Hazardous to Health Regulations 2002
The Management of Health and Safety at Work Regulations 1999
Health and Safety at Work Act 1974
Environmental Protection Act 1990 & Subsidiary Regulations

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Full text of R-Phrases

R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.
R40 Limited evidence of a carcinogenic effect.
R42/43 May cause sensitisation by inhalation and skin contact.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Full text of H-Statements

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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

Full text of other abbreviations

Acute Tox.	Acute toxicity
Carc.	Carcinogenicity
Eye Irrit.	Eye irritation
Resp. Sens.	Respiratory sensitisation
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

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 !