

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

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

**1.1 Product identifier**

Trade name : Sikafloor®-156/280 Part B

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

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

**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	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin corrosion, Category 1B	H314: Causes severe skin burns and eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

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

Hazard pictograms :  

Signal word : Danger

Hazard statements : H302 + H332 Harmful if swallowed or if inhaled  
H314 Causes severe skin burns and eye damage.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.

Hazardous components which must be listed on the label:

- 202-859-9 benzyl alcohol
- 220-666-8 3-aminomethyl-3,5,5-trimethylcyclohexylamine
- 216-032-5 m-phenylenebis(methylamine)
- 203-986-2 3,6,9-triazaundecamethylenediamine
- 202-013-9 2,4,6-tris(dimethylaminomethyl)phenol
- 300-511-1 3-[(6-aminotrimethylhexyl)amino]propiononitrile
- 247-134-8 trimethylhexane-1,6-diamine

### 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.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical name CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
benzyl alcohol 100-51-6 202-859-9 01-2119492630-38-XXXX	Acute Tox.4; H302 Acute Tox.4; H332 Eye Irrit.2; H319	>= 25 - < 50
3-aminomethyl-3,5,5-trimethylcyclohexylamine 2855-13-2 220-666-8	Acute Tox.4; H302 Acute Tox.4; H312 Skin Corr.1B; H314	>= 10 - < 20

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

01-2119514687-32-XXXX	Skin Sens.1A; H317 Aquatic Chronic3; H412 Eye Dam.1; H318	
m-phenylenebis(methylamine) 1477-55-0 216-032-5 01-2119480150-50-XXXX	Acute Tox.4; H302 Acute Tox.4; H332 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Chronic3; H412	>= 10 - < 20
3,6,9-triazaundecamethylenediamine 112-57-2 203-986-2 01-2119487290-37-XXXX (covered by CAS 90640-66-7)	1; H318 Acute Tox.4; H302 Acute Tox.4; H312 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Chronic2; H411	>= 5 - < 10
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2 202-013-9 01-2119560597-27-XXXX Contains: bis[(dimethylamino)methyl]phenol <= 15 %	Skin Sens.1B; H317 1C; H314 Aquatic Chronic3; H412 Acute Tox.4; H302 1; H319	>= 5 - < 10
3-[(6-aminotrimethylhexyl)amino]propiononitrile 93941-62-9 300-511-1	Acute Tox.4; H302 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Chronic2; H411	>= 2,5 - < 5
trimethylhexane-1,6-diamine 25620-58-0 247-134-8 01-2119560598-25-XXXX (belongs to CAS 25513-64-8)	Acute Tox.4; H302 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Chronic3; H412	>= 1 - < 2,5

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.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

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.

- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue 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 : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.

#### **4.2 Most important symptoms and effects, both acute and delayed**

- Symptoms : Gastrointestinal discomfort  
Respiratory disorder  
Allergic reactions  
Headache  
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 or if inhaled  
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.

---

### **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

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

### 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 : Do not breathe vapours or spray mist. 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. 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

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

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 re-sealed 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**

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls**

**Personal protective equipment**

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

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Sikafloor®-156/280 Part B



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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	: light yellow
Odour	: amine-like
Odour Threshold	: No data available
Flash point	: > 101 °C
Autoignition temperature	: ca. 420 °C
Lower explosion limit (Vol-%)	: No data available
Upper explosion limit (Vol-%)	: No data available
Flammability	: No data available
Oxidizing properties	: No data available
pH	: > 11
Melting point/range / Freezing point	: No data available
Boiling point/boiling range	: No data available
Vapour pressure	: 19,9983 hPa

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Sikafloor®-156/280 Part B



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

Density	:	ca.1,018 g/cm3 at 20 °C
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	No data available
Viscosity, dynamic	:	ca.12 mPa.s at 20 °C
Viscosity, kinematic	:	> 7 - < 20,5 mm2/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

Harmful if swallowed or if inhaled

#### Components:

**benzyl alcohol:**



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Sikafloor®-156/280 Part B



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

Acute oral toxicity : LD50 Oral (Rat): 1.620 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4,178 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

### **3-aminomethyl-3,5,5-trimethylcyclohexylamine:**

Acute oral toxicity : LD50 Oral (Rat): 1.030 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

### **m-phenylenebis(methylamine):**

Acute oral toxicity : LD50 Oral (Rat): 930 mg/kg

Acute inhalation toxicity : LC50 (Rat): 1,34 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rat): > 3.100 mg/kg

### **3,6,9-triazaundecamethylenediamine:**

Acute oral toxicity : LD50 Oral (Rat): 1.716,2 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): 1.260 mg/kg

### **Skin corrosion/irritation**

Causes severe burns.

#### **Product:**

Remarks: Causes severe skin burns and eye damage.

### **Serious eye damage/eye irritation**

Causes serious eye damage.

#### **Product:**

Remarks: No data available

### **Respiratory or skin sensitisation**

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

#### **Product:**

Remarks: May cause an allergic skin reaction.

### **Components:**

#### **3-aminomethyl-3,5,5-trimethylcyclohexylamine:**

Assessment: The product is a skin sensitiser, sub-category 1A.

Result: The product is a skin sensitiser, sub-category 1A.

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

**Germ cell mutagenicity**

Not classified based on available information.

**Product:**

Germ cell mutagenicity- Assessment : No data available

**Carcinogenicity**

Not classified based on available information.

**Product:**

Carcinogenicity - Assessment : No data available

**Reproductive toxicity**

Not classified based on available information.

**Product:**

Reproductive toxicity - Assessment : No data available

No data available

**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.

---

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Components:**

**benzyl alcohol :**

Toxicity to fish : LC50: > 100 mg/l, 96 h, Fish

Toxicity to daphnia and other aquatic invertebrates : EC50: > 100 mg/l, 48 h, Daphnia magna (Water flea)

**3-aminomethyl-3,5,5-trimethylcyclohexylamine :**

Toxicity to algae : ErC50: > 10 - 100 mg/l, 72 h, Desmodesmus subspicatus (green algae)

**m-phenylenebis(methylamine) :**

Toxicity to fish : LC50: > 10 - 100 mg/l, 96 h, Oryzias latipes (Japanese meda-

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

ka)

Toxicity to daphnia and other aquatic invertebrates : EC50: > 10 - 100 mg/l, 48 h, Daphnia magna (Water flea)

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

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

## 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

### Product:

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

---

## 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

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

soil, waterways, drains and sewers.

European Waste Catalogue : 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

Contaminated packaging : 15 01 10\* packaging containing residues of or contaminated by dangerous substances

---

## SECTION 14: Transport information

### ADR

**14.1 UN number** : 1760  
**14.2 Description of the goods** : CORROSIVE LIQUID, N.O.S.  
(3-aminomethyl-3,5,5-trimethylcyclohexylamine, m-phenylenebis(methylamine))  
**14.3 Class** : 8  
**14.4 Packing group** : III  
Classification Code : C9  
Labels : 8  
Tunnel restriction code : (E)  
**14.5 Environmentally hazardous** : no

### IATA

**14.1 UN number** : 1760  
**14.2 Description of the goods** : Corrosive liquid, n.o.s.  
(3-aminomethyl-3,5,5-trimethylcyclohexylamine, m-phenylenebis(methylamine))  
**14.3 Class** : 8  
**14.4 Packing group** : III  
Labels : 8  
**14.5 Environmentally hazardous** : no

### IMDG

**14.1 UN number** : 1760  
**14.2 Description of the goods** : CORROSIVE LIQUID, N.O.S.  
(3-aminomethyl-3,5,5-trimethylcyclohexylamine, m-phenylenebis(methylamine))  
**14.3 Class** : 8  
**14.4 Packing group** : III  
Labels : 8  
EmS Number 1 : F-A  
EmS Number 2 : S-B  
**14.5 Marine pollutant** : no

### 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

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

Not applicable

---

## **SECTION 15: Regulatory information**

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

#### **Prohibition/Restriction**

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

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.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

VOC-CH (VOCV) : no VOC duties

VOC-EU (solvent) : 48 %

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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Sikafloor®-156/280 Part B



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

### 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.
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.
H412	Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox.	Acute toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Skin Corr.	Skin corrosion
Skin Sens.	Skin sensitisation
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS	Chemical Abstracts Service
DNEL	Derived no-effect level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LD50	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 1978
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted no effect concentration
REACH	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
SVHC	Substances of Very High Concern
vPvB	Very persistent and very bioaccumulative

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 !

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sikafloor®-156/280 Part B**



Revision Date 02.06.2016

Version 2.5

Print Date 26.08.2016

---