

# Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Germany



## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Identification of the substance/preparation

Product name or Trade name :

Sikafloor®-359N Part B

Use of the substance/preparation : Chemical product for construction and industry

### Company/undertaking identification

Manufacturer/Distributor : Sika Deutschland GmbH

Street/postbox : Kornwestheimer Str. 103-107

Town/City and Post Code : 70439 Stuttgart

Country : Germany

Telephone no. : +4971180090

Fax no. : +497118009321

e-mail address of person responsible for this SDS : EHS@de.sika.com

Emergency telephone number : +49-(0)173-6774799 (Only out of office hour)

## 2. HAZARDS IDENTIFICATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : R10  
Xi; R37  
R43, R66, R67  
N; R51/53

**Physical/chemical hazards** : Flammable.

**Human health hazards** : Irritating to respiratory system. May cause sensitisation by skin contact. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**Environmental hazards** : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Additional warning phrases** : Contains isocyanates. See information supplied by the manufacturer.

See section 11 for more detailed information on health effects and symptoms.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical family/Characteristics** : Polyisocyanate, containing solvent

Ingredient name	CAS number	%	EC number	Classification
Isophorondiisocyanate homopolymer solvent naphtha (petroleum), light arom.	53880-05-0 64742-95-6	50-75 25-35	500-125-5 265-199-0	R43 R10 Xn; R65 Xi; R37 R66, R67 N; R51/53 [1] [1]
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9	<0.5	223-861-6	T; R23 Xi; R36/37/38 R42/43 N; R51/53 [1] [2]
See section 16 for the full text of the R-phrases declared above				

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

[1] Substance classified with a health or environmental hazard  
 [2] Substance with a workplace exposure limit  
 Occupational exposure limits, if available, are listed in section 8.

### 4. FIRST AID MEASURES

#### First-aid measures

- Inhalation** : If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Get medical attention. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Maintain an open airway. Seek immediate medical attention.
- Skin contact** : Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur.
- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

See section 11 for more detailed information on health effects and symptoms.

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Not suitable** : Do not use water jet.
- Special exposure hazards** : Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
- Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous combustion products** : Decomposition products may include the following materials:  
 carbon dioxide  
 carbon monoxide  
 nitrogen oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Put on appropriate personal protective equipment (see section 8). Evacuate surrounding areas.
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

## 6. ACCIDENTAL RELEASE MEASURES

- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment.
- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment.

## 7. HANDLING AND STORAGE

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Avoid release to the environment. Refer to special instructions/safety data sheet. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous.
- Storage** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
- Packaging materials**
- Recommended** : Use original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limit values

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
solvent naphtha (petroleum), light arom.	<b>TRGS900 AGW (Germany, 12/2007).</b> Schichtmittelwert: 100 mg/m <sup>3</sup> 8 hour(s). Schichtmittelwert: 20 ppm 8 hour(s).
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	<b>TRGS900 AGW (Germany, 7/2008). Skin sensitizer.</b> CEIL: 0.092 mg/m <sup>3</sup> CEIL: 0.01 ppm PEAK: 0.046 mg/m <sup>3</sup> 15 minute(s). PEAK: 0.005 ppm 15 minute(s). TWA: 0.046 mg/m <sup>3</sup> 8 hour(s). TWA: 0.005 ppm 8 hour(s).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.
- Exposure controls**
- Occupational exposure controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
- 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.  
organic vapour filter (Type A)  
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Reference number EN 374. Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves. (0,4 mm), breakthrough time <30 min. Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Use barrier skin cream.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

#### Appearance

- Form** : Liquid.
- Colour** : Yellowish.
- Odour** : Hydrocarbon.

#### Important health, safety and environmental information

- Flash point** : Closed cup: ~45°C (113°F)
- Explosion limits** : Lowest known value:  
Lower: 0.8% (solvent naphtha (petroleum), light arom.)  
Highest known value:  
Upper: 7% (solvent naphtha (petroleum), light arom.)
- Vapour pressure** : Highest known value: 0.5 kPa (3.75 mm Hg) (solvent naphtha (petroleum), light arom.)
- Density** : ~1.05 g/cm<sup>3</sup> [20°C (68°F)]
- Solubility** : Insoluble in the following materials: water

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	: The product is stable.
<b>Conditions to avoid</b>	: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Avoid release to the environment. Refer to special instructions/safety data sheet.
<b>Materials to avoid</b>	: Reactive or incompatible with the following materials: oxidizing materials
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

### Potential acute health effects

<b>Inhalation</b>	: Vapours may cause drowsiness and dizziness. Irritating to respiratory system. May cause irritation.
<b>Ingestion</b>	: Can cause gastrointestinal disturbances.
<b>Skin contact</b>	: Defatting to the skin. May cause skin dryness and irritation. May cause sensitisation by skin contact.
<b>Eye contact</b>	: May cause eye irritation.
<b>Chronic effects</b>	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

## 12. ECOLOGICAL INFORMATION

<b>Environmental effects</b>	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Water polluting material. May be harmful to the environment if released in large quantities.
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## 13. DISPOSAL CONSIDERATIONS

<b>Methods of disposal</b>	: Completely emptied packagings can be given for recycling. Packaging containing remains of dangerous substances, as well as packagings disposed of remains can be unharmed eliminated in accordance with the regulations.
<b>Packaging</b>	: Completely emptied packagings may be given for recycling. Empty packaging may still contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.  Sika has agreed disposal contracts for all packaging which is brought into circulation in Germany.  15 01 10* packaging containing residues of or contaminated by dangerous substances

For further details see [www.sika.de](http://www.sika.de)

## 14. TRANSPORT INFORMATION

### International transport regulations

#### ADR

	: UN1263
ADR Class	: 3
Classification code	: F1
Packing group	: III
Proper shipping name	: Paint
Contains	: Naphtha, solvent
Label No.	: 3

#### IMDG

UN number	: UN1263
IMDG Class	: 3
Packing group	: III
Proper shipping name	: Paint
Contains	: Naphtha, solvent
Emergency schedules (EmS)	: F-E, S-E
Marine pollutant	: P
Label no.	: 3

#### IATA

UN number	: UN1263
IATA Class	: 3
Packing group	: III
Proper shipping name	: Paint
Contains	: Naphtha, solvent
Label no.	: 3

## 15. REGULATORY INFORMATION

### EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Hazard symbol or symbols	: Xi, N Irritant, Dangerous for the environment
Contains	: Isophorondiisocyanate homopolymer
Risk phrases	: R10- Flammable. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R66- Repeated exposure may cause skin dryness or cracking. R67- Vapours may cause drowsiness and dizziness. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases	: S24- Avoid contact with skin. S37- Wear suitable gloves.
Additional warning phrases	: Contains isocyanates. See information supplied by the manufacturer.
VOC content (EU)	: VOC (w/w): 30%

### National regulations

Hazard class for water	: 2 Appendix No. 4 (Gemäß VwVws vom 17. Mai 1999)
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## 15. REGULATORY INFORMATION

## 16. OTHER INFORMATION

- Full text of classifications referred to in sections 2 and 3** :
- R10- Flammable.
  - R23- Toxic by inhalation.
  - R65- Harmful: may cause lung damage if swallowed.
  - R37- Irritating to respiratory system.
  - R36/37/38- Irritating to eyes, respiratory system and skin.
  - R43- May cause sensitisation by skin contact.
  - R42/43- May cause sensitisation by inhalation and skin contact.
  - R66- Repeated exposure may cause skin dryness or cracking.
  - R67- Vapours may cause drowsiness and dizziness.
  - R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Full text of classifications referred to in sections 2 and 3** :
- T - Toxic
  - Xn - Harmful
  - Xi - Irritant
  - N - Dangerous for the environment

### History

- Date of printing** : 03.08.2010  
**Date of issue** : 21.01.2010.  
**Date of previous issue** : No previous validation.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

*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.*