

Safety Data Sheet

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



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

Identification of the substance/preparation

Product name or Trade name :

Sikaflex®-256

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

Company/undertaking identification

Manufacturer/Distributor : SIKA Schweiz AG

Street/postbox : Tüffenwies 16

Town/City and Post Code : 8048 Zürich

Country : Switzerland

Telephone no. : +41584364040

Fax no. :

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

Emergency telephone number : +41 (0) 79 309 06 29
Out of office hours only

2. HAZARDS IDENTIFICATION

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

Classification : Xi; R36/38
R42
R52/53

Human health hazards : Irritating to eyes and skin. May cause sensitisation by inhalation.

Environmental hazards : Harmful 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 : Filled reactive PUR-polymer

Ingredient name	CAS number	%	EC number	Classification
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	<2.5	265-185-4	R10 [1] Xn; R65 R66, R67 N; R51/53
4,4'-methylenediphenyl diisocyanate	101-68-8	0.1-1	202-966-0	Carc. Cat. 3; R40 [1] [2] Xn; R20, R48/20 Xi; R36/37/38 R42/43
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9	<0.5	223-861-6	T; R23 [1] [2] Xi; R36/37/38 R42/43 N; R51/53
dibutyltin dichloride	683-18-1	0.01-0.025	211-670-0	Muta. Cat. 3; R68 [1] [2] Repr. Cat. 2; R60, R61

Date of issue : 27.08.2010.

MSDS no. : 120713

1/6

3. COMPOSITION/INFORMATION ON INGREDIENTS

See section 16 for the full text of the R-phrases declared above				T+; R26 T; R25, R48/25 Xn; R21 C; R34 N; R50/53
--	--	--	--	---

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, if available, are listed in section 8.

4. FIRST AID MEASURES

First-aid measures

- Inhalation** : Get medical attention if adverse health effects persist or are severe. 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** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. 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** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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

5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/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. Put on appropriate personal protective equipment (see section 8).
- 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.

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).
- 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.

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. Persons with a history of skin sensitisation problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.
- Storage** : Store in accordance with local regulations. 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. 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

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
4,4'-methylenediphenyl diisocyanate	SUVA (Switzerland, 1/2009). Skin sensitizer. STEL: 0.02 mg/m ³ , (Calculated as NCO) 15 minute(s). TWA: 0.02 mg/m ³ , (Calculated as NCO) 8 hour(s).
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	SUVA (Switzerland, 1/2009). Skin sensitizer. Notes: Calculated as NCO not temporary STEL: 0.02 mg/m ³ , (Calculated as NCO) 15 minute(s). TWA: 0.02 mg/m ³ , (Calculated as NCO) 8 hour(s).
dibutyltin dichloride	SUVA (Switzerland, 1/2009). Absorbed through skin. Notes: calculated as Sn STEL: 0.2 mg/m ³ , (calculated as Sn) 15 minute(s). Form: inhalable fraction TWA: 0.1 mg/m ³ , (calculated as Sn) 8 hour(s). Form: inhalable fraction

- 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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure controls	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
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. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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. Recommended: Butyl rubber/nitrile rubber gloves.
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	: Paste.
Colour	: Various.
Odour	: Characteristic.

Important health, safety and environmental information

Flash point	: Closed cup: >101°C (>213.8°F)
Density	: ~1.2 g/cm ³ [20°C (68°F)]

10. STABILITY AND REACTIVITY

Stability	: The product is stable.
Conditions to avoid	: No specific data.
Materials to avoid	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

Inhalation	: May cause sensitisation by inhalation.
Ingestion	: Irritating to mouth, throat and stomach.
Skin contact	: Irritating to skin.
Eye contact	: Irritating to eyes.

11. TOXICOLOGICAL INFORMATION

Chronic effects : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Methods of disposal : The generation of waste should be avoided or minimised 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

Waste code (CH) : 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

Packaging : 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.

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

14. TRANSPORT INFORMATION

International transport regulations

ADR

Not regulated.

IMDG

Not regulated.

Marine pollutant : No

IATA

Not regulated.

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 : Xn
Harmful

Contains : 4,4'-methylenediphenyl diisocyanate

Risk phrases : R36/38- Irritating to eyes and skin.
R42- May cause sensitisation by inhalation.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S23- Do not breathe gas/fumes/vapour/spray
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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

VOC content (EU) : VOC (w/w): 2%

15. REGULATORY INFORMATION

National regulations

VOC content (CH) : VOC (w/w): 2%
 Hazard class for water : 1 according Appendix No. 4

16. OTHER INFORMATION

Full text of classifications referred to in sections 2 and 3 : R10- Flammable.
 R40- Limited evidence of a carcinogenic effect.
 R68- Possible risk of irreversible effects.
 R60- May impair fertility.
 R61- May cause harm to the unborn child.
 R26- Also very toxic by inhalation.
 R25- Also toxic if swallowed.
 R23- Also toxic by inhalation.
 R48/25- Also toxic: danger of serious damage to health by prolonged exposure if swallowed.
 R20- Also harmful by inhalation.
 R21- Also harmful in contact with skin.
 R48/20- Also harmful: danger of serious damage to health by prolonged exposure through inhalation.
 R65- Also harmful: may cause lung damage if swallowed.
 R34- Causes burns.
 R36/38- Irritating to eyes and skin.
 R36/37/38- Irritating to eyes, respiratory system and skin.
 R42- May cause sensitisation by inhalation.
 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.
 R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications referred to in sections 2 and 3 : Carc. Cat. 3 - Carcinogen category 3
 Muta. Cat. 3 - Mutagen category 3
 Repr. Cat. 2 - Toxic to reproduction category 2
 T+ - Very toxic
 T - Toxic
 C - Corrosive
 Xn - Harmful
 Xi - Irritant
 N - Dangerous for the environment

History

Date of printing : 30.08.2010
 Date of issue : **27.08.2010.**
 Date of previous issue : **25.08.2010.**

☑ 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.