

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®-2420 Part A

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 : DE

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
Xn; R20/21
Xi; R36/38
R43
R52/53

Physical/chemical hazards : Flammable.

Human health hazards : Harmful by inhalation and in contact with skin. Irritating to eyes and skin. May cause sensitisation by skin contact.

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

Additional warning phrases : Contains epoxy constituents. 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 : Modified epoxy resin, containing solvent

Ingredient name	CAS number	%	EC number	Classification
xylene	1330-20-7	35-50	215-535-7	R10 Xn; R20/21 Xi; R38 [1] [2]
reaction product: bisphenol A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	25068-38-6	20-25		Xi; R36/38 R43 [1]
ethylbenzene	100-41-4	10-25	202-849-4	F; R11 Xn; R20 [1] [2]
benzyl alcohol	100-51-6	<25	202-859-9	Xn; R20/22 [1]
4-methylpentan-2-one	108-10-1	7-10	203-550-1	F; R11 Xn; R20 Xi; R36/37 [1] [2]

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3. COMPOSITION/INFORMATION ON INGREDIENTS

reaction product: bisphenol A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	25068-38-6	5-25	500-033-5	R66 Xi; R36/38 R43 N; R51/53	[1]
reaction product: bisphenol F-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	9003-36-5	2.5-5	500-006-8	Xi; R36/38 R43 N; R51/53	[1]
See section 16 for the full text of the R-phrases declared above					

[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** : Get medical attention.
- 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention.
- 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 dry chemical, CO₂, 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.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
halogenated compounds
- 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.

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. Wash spillages into an effluent treatment plant or proceed as follows. 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. 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>
xylene	TRGS900 AGW (Germany, 7/2008). Absorbed through skin. PEAK: 880 mg/m ³ 15 minute(s). PEAK: 200 ppm 15 minute(s). TWA: 440 mg/m ³ 8 hour(s). TWA: 100 ppm 8 hour(s).
ethylbenzene	TRGS900 AGW (Germany, 3/2007). Absorbed through skin. TWA: 440 mg/m ³ 8 hour(s). PEAK: 880 mg/m ³ 15 minute(s). TWA: 100 ppm 8 hour(s). PEAK: 200 ppm 15 minute(s).
4-methylpentan-2-one	TRGS900 AGW (Germany, 3/2007). Absorbed through skin. PEAK: 166 mg/m ³ 15 minute(s). PEAK: 40 ppm 15 minute(s). TWA: 83 mg/m ³ 8 hour(s). TWA: 20 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. 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** : Liquid.
- Colour** : Colourless.
- Odour** : Hydrocarbon.

Important health, safety and environmental information

- Flash point** : Closed cup: ~26°C (78.8°F)
- Explosion limits** : Lowest known value:
Lower: 1% (xylene)
Upper: 7% (xylene)
- Vapour pressure** : Highest known value: 0.8 kPa (6 mm Hg) (xylene, ethylbenzene)
- Density** : ~0.95 g/cm³ [20°C (68°F)]
- Solubility** : Insoluble in the following materials: water

10. STABILITY AND REACTIVITY

Stability	: The product is stable.
Conditions to avoid	: 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.
Materials to avoid	: Reactive or incompatible with the following materials: oxidizing materials
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	: Harmful by inhalation. May cause irritation.
Ingestion	: Irritating to mouth, throat and stomach.
Skin contact	: Harmful in contact with skin. Irritating to skin. May cause sensitisation by skin contact.
Eye contact	: Irritating to eyes.
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.
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13. DISPOSAL CONSIDERATIONS

Methods of disposal	: 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.
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. Sika has agreed disposal contracts for all packaging which is brought into circulation in Germany.

For further details see www.sika.de

14. TRANSPORT INFORMATION

International transport regulations

ADR

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

IMDG

UN number	: UN1263
IMDG Class	: 3
Packing group	: III
Proper shipping name	: Paint

14. TRANSPORT INFORMATION

Emergency schedules (EmS) : F-E, S-E
 Marine pollutant : No.
 Label no. : 3

IATA

UN number : UN1263
 IATA Class : 3
 Packing group : III
 Proper shipping name : Paint
 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 : Xn
 Harmful

Contains : xylene
 reaction product: bisphenol A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)
 reaction product: bisphenol A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)
 reaction product: bisphenol F-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)

Risk phrases : R10- Flammable.
 R20/21- Harmful by inhalation and in contact with skin.
 R36/38- Irritating to eyes and skin.
 R43- May cause sensitisation by skin contact.
 R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S36/37- Wear suitable protective clothing and gloves.

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

VOC content (EU) : VOC (w/w): 70.32%

National regulations

GISCODE : RE 3

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

Remark : For activities with dermal exposure or inhalativ exposition with possible health hazards, occupational health checks have to be conducted (German regulation).

16. OTHER INFORMATION

Full text of classifications referred to in sections 2 and 3 : R11- Highly flammable.
 R10- Flammable.
 R20- Harmful by inhalation.
 R20/21- Harmful by inhalation and in contact with skin.
 R20/22- Harmful by inhalation and if swallowed.
 R38- Irritating to skin.
 R36/37- Irritating to eyes and respiratory system.
 R36/38- Irritating to eyes and skin.
 R43- May cause sensitisation by skin contact.

16. OTHER INFORMATION

R66- Repeated exposure may cause skin dryness or cracking.

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 : F - Highly flammable
Xn - Harmful
Xi - Irritant
N - Dangerous for the environment

History

Date of printing : 19.10.2018

Date of issue : **18.03.2019.**

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 Technical Data Sheet prior to any use and processing.