

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**



Revision Date: 15.03.2021  
Date of last issue: 09.08.2019

Version 7.0

Print Date 15.03.2021

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

### **1.1 Product identifier**

Trade name : Sika® Thinner S

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

Product use : Thinner, For professional users only.

### **1.3 Details of the supplier of the safety data sheet**

Company name of supplier : Sika Deutschland GmbH  
Kornwestheimer Str. 103-107  
D-70439 Stuttgart  
Telephone : +49 711 8009 0  
E-mail address of person : EHS@de.sika.com  
responsible for the SDS

### **1.4 Emergency telephone number**

Emergency CONTACT (24-Hour-Number):  
GBK GmbH Global Regulatory Compliance +49(0)6132-84463

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## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture**

#### **Classification (REGULATION (EC) No 1272/2008)**

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Acute toxicity, Category 4	H312: Harmful in contact with skin.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
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 if inhaled.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**






Revision Date: 15.03.2021  
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## 2.2 Label elements

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

Hazard pictograms	:	  
Signal word	:	Danger
Hazard statements	:	<div><div>H226</div><div>H304</div><div>H312 + H332</div><div>H315</div><div>H319</div><div>H335</div><div>H373</div><div>H412</div></div> <div><div>Flammable liquid and vapour.</div><div>May be fatal if swallowed and enters airways.</div><div>Harmful in contact with skin or if inhaled.</div><div>Causes skin irritation.</div><div>Causes serious eye irritation.</div><div>May cause respiratory irritation.</div><div>May cause damage to organs through prolonged or repeated exposure if inhaled.</div><div>Harmful to aquatic life with long lasting effects.</div></div>
Precautionary statements	:	<div><div><b>Prevention:</b></div><div><div>P210</div><div>P260</div><div>P264</div></div><div><div>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</div><div>Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.</div><div>Wash skin thoroughly after handling.</div></div></div> <div><div><b>Response:</b></div><div><div>P301 + P310</div><div>P331</div><div>P370 + P378</div></div><div><div>IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</div><div>Do NOT induce vomiting.</div><div>In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.</div></div></div>

### Hazardous components which must be listed on the label:

||xylene

## 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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
xylene Contains: ethylbenzene <= 25 %	1330-20-7 215-535-7 01-2119488216-32-XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>=80
4-methylpentan-2-one	108-10-1 203-550-1 01-2119473980-30-XXXX	Flam. Liq. 2; H225 Acute Tox. 4; H332 Eye Irrit. 2; H319 STOT SE 3; H335 EUH066	>= 5 - < 10

For explanation of abbreviations 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.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**



Revision Date: 15.03.2021  
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Version 7.0

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

Symptoms : Aspiration may cause pulmonary oedema and pneumonitis.  
Cough  
Respiratory disorder  
Excessive lachrymation  
Erythema  
Headache  
Dermatitis  
Skin disorders  
See Section 11 for more detailed information on health effects and symptoms.

Risks : Risk of serious damage to the lungs (by aspiration).  
irritant effects  
  
May be fatal if swallowed and enters airways.  
Harmful in contact with skin or if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause damage to organs through prolonged or repeated exposure if inhaled.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treatment : Treat symptomatically.

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : Water  
High volume water jet

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.

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.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**



Revision Date: 15.03.2021  
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Version 7.0

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Further information : Use water spray to cool unopened containers.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment.  
Remove all sources of ignition.  
Deny access to unprotected persons.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### **6.2 Environmental precautions**

Environmental precautions : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### **6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### **6.4 Reference to other sections**

For personal protection see section 8.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Advice on safe handling : 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.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharge.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).  
Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**



Revision Date: 15.03.2021  
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Version 7.0

Print Date 15.03.2021

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 re-sealed and kept upright to prevent leakage. Store in accordance with local regulations.

Storage class (TRGS 510) : 3, Flammable liquids

Further information on storage stability : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters *	Basis *
xylene	1330-20-7	TWA	50 ppm 221 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m3	2000/39/EC
		AGW	100 ppm 440 mg/m3	DE TRGS 900
	Peak-limit: excursion factor (category): 2;(II)			
	Further information: Skin absorption			
4-methylpentan-2-one	108-10-1	TWA	20 ppm 83 mg/m3	2000/39/EC
	Further information: Indicative			
		STEL	50 ppm 208 mg/m3	2000/39/EC
		AGW	20 ppm 83 mg/m3	DE TRGS 900
	Peak-limit: excursion factor (category): 2;(I)			
	Further information: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., European Union (The EU has established a limit value: deviations in value and peak limit are possible), Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

**SAFETY DATA SHEET**  
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**Sika® Thinner S**



Revision Date: 15.03.2021  
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Version 7.0

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\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**Biological occupational exposure limits**

Substance name	CAS-No.	Control parameters	Sampling time	Basis
xylene	1330-20-7	xylene: 1,5 mg/l (Blood)	Immediately after exposure or after working hours	TRGS 903
		methylhippuric acid (all isomers): 2 g/l (Urine)	Immediately after exposure or after working hours	TRGS 903
4-methylpentan-2-one	108-10-1	4-methylpentan-2-one: 0,7 mg/l (Urine)	Immediately after exposure or after working hours	TRGS 903

**8.2 Exposure controls**

**Personal protective equipment**

- Eye protection : Safety glasses with side-shields conforming to EN166  
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 (> 0,1 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 : In case of inadequate ventilation wear 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 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.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**



Revision Date: 15.03.2021  
Date of last issue: 09.08.2019

Version 7.0

Print Date 15.03.2021

**Environmental exposure controls**

General advice : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform  
respective authorities.

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**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Physical state	: liquid
Colour	: colourless
Odour	: hydrocarbon-like
Odour Threshold	: No data available
pH	: Not applicable substance/mixture is non-soluble (in water)
Melting point/range / Freezing point	: No data available
Boiling point/boiling range	: ca. 116 - 140 °C
Flash point	: ca. 24 °C Method: closed cup
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit / Upper flammability limit	: 7 %(V)
Lower explosion limit / Lower flammability limit	: 1 %(V)
Vapour pressure	: 7,9993 hPa
Relative vapour density	: No data available
Density	: ca. 0,86 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-	: No data available



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**Sika® Thinner S**



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Version 7.0

Print Date 15.03.2021

octanol/water

Auto-ignition temperature : ca. 432 °C

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : < 6,9 mm<sup>2</sup>/s (40 °C)

Explosive properties : No data available

Oxidizing properties : No data available

**9.2 Other information**

No data available

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**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.

Vapours may form explosive mixture with air.

**10.4 Conditions to avoid**

Conditions to avoid : Heat, flames and sparks.

**10.5 Incompatible materials**

Materials to avoid : No data available

**10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

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**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

Harmful in contact with skin or if inhaled.

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**



Revision Date: 15.03.2021  
Date of last issue: 09.08.2019

Version 7.0

Print Date 15.03.2021

**Components:**

**xylene:**

Acute oral toxicity : LD50 Oral (Rat): 3.523 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 1.700 mg/kg

**4-methylpentan-2-one:**

Acute oral toxicity : LD50 Oral (Rat): 2.080 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 16.000 mg/kg

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

May cause respiratory irritation.

**STOT - repeated exposure**

May cause damage to organs through prolonged or repeated exposure if inhaled.

**Aspiration toxicity**

May be fatal if swallowed and enters airways.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**



Revision Date: 15.03.2021  
Date of last issue: 09.08.2019

Version 7.0

Print Date 15.03.2021

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Components:**

##### **xylene:**

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 2,2 mg/l  
Exposure time: 73 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC: > 1,3 mg/l  
Exposure time: 56 d  
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,17 mg/l  
Exposure time: 7 d  
Species: Daphnia (water flea)

### **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 Endocrine disrupting properties**

#### **Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **12.7 Other adverse effects**

#### **Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**



Revision Date: 15.03.2021  
Date of last issue: 09.08.2019

Version 7.0

Print Date 15.03.2021

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unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Product : In accordance with the EWC Waste Regulation the classification of waste is to be assigned to the jurisdiction of the origin of waste. Therefore, it is not possible to assign a particular waste identification number.  
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](http://www.sika.de)

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## **SECTION 14: Transport information**

### **14.1 UN number**

**ADR** : UN 1263  
**IMDG** : UN 1263  
**IATA** : UN 1263

### **14.2 UN proper shipping name**

**ADR** : PAINT RELATED MATERIAL  
**IMDG** : PAINT RELATED MATERIAL  
**IATA** : Paint related material

### **14.3 Transport hazard class(es)**

**ADR** : 3  
**IMDG** : 3  
**IATA** : 3

### **14.4 Packing group**

**ADR**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)  
**IMDG**  
Packing group : III  
Labels : 3

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**



Revision Date: 15.03.2021  
Date of last issue: 09.08.2019

Version 7.0

Print Date 15.03.2021

EmS Code : F-E, S-E  
**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 366  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

**IATA (Passenger)**  
Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

#### 14.5 Environmental hazards

**ADR**  
Environmentally hazardous : no

**IMDG**  
Marine pollutant : no

**IATA (Passenger)**  
Environmentally hazardous : no

**IATA (Cargo)**  
Environmentally hazardous : no

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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### SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 3

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Sika® Thinner S



Revision Date: 15.03.2021

Version 7.0

Print Date 15.03.2021

Date of last issue: 09.08.2019

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH Information: All substances contained in our Products are  
- registered by our upstream suppliers, and/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.

P5c FLAMMABLE LIQUIDS

Water contaminating class : WGK 2 obviously hazardous to water  
(Germany) Classification according to AwSV, Annex 1 (5.2)

Volatile organic compounds : Law on the incentive tax for volatile organic compounds (VOCV)  
Volatile organic compounds (VOC) content: 100 %

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 100 %

Productcode : M-VM04

### Other regulations:

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Product is no subject to the Chemicals Prohibition Ordinance.

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Sika® Thinner S



Revision Date: 15.03.2021

Version 7.0

Print Date 15.03.2021

Date of last issue: 09.08.2019

H304	: May be fatal if swallowed and enters airways.
H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H335	: May cause respiratory irritation.
H373	: May cause damage to organs through prolonged or repeated exposure if inhaled.
H412	: Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
DE TRGS 900	: Germany. TRGS 900 - Occupational exposure limit values.
TRGS 903	: TRGS 903 - Biological limit values
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit
DE TRGS 900 / AGW	: Time Weighted Average
ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
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

### Further information

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika® Thinner S**



Revision Date: 15.03.2021  
Date of last issue: 09.08.2019

Version 7.0

Print Date 15.03.2021

**Classification of the mixture:**

Flam. Liq. 3	H226
Acute Tox. 4	H332
Acute Tox. 4	H312
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H335
STOT RE 2	H373
Asp. Tox. 1	H304
Aquatic Chronic 3	H412

**Classification procedure:**

Based on product data or assessment  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method

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 !

DE / EN