

# EU safety data sheet

**Trade name:** SPIEGELKLEBER

**Product no.:** SPK

**Current version :** 3.1.0, issued: 20.01.2022

**Replaced version:** 3.0.0, issued: 25.09.2018

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**SPIEGELKLEBER**

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

**Relevant identified uses of the substance or mixture**

Chemical product for building, modernising and repairing.

**Uses advised against**

No data available.

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

**Address**

LUGATO GmbH & Co. KG

Großer Kamp 1

D-22885 Barsbüttel

Telephone no. +49 (0)40 694 07-0

Fax no. +49 (0)40 694 07-109 + 110

**Information provided by / telephone**

Department TS, telephone +49 40 694 07-222

e-mail: technik@lugato.de

**Advice on Safety Data Sheet**

technik@lugato.de

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

**Hazard pictograms**

-

**Signal word**

-

**Hazard statement(s)**

-

**Hazard statements (EU)**

EUH208

Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, 3-aminopropyltriethoxysilane. May produce an allergic reaction.

**Precautionary statement(s)**

-

# EU safety data sheet

**Trade name:** SPIEGELKLEBER

**Product no.:** SPK

**Current version :** 3.1.0, issued: 20.01.2022

**Replaced version:** 3.0.0, issued: 25.09.2018

**Region:** GB

**2.3 Other hazards**  
No data available.

## SECTION 3: Composition/information on ingredients

**3.1 Substances**  
Not applicable. The product is not a substance.

**3.2 Mixtures**  
**Chemical characterization**  
Adhesive

### Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	<b>AMINOFUNCTIONAL METHYLSILSESQUIXANE</b>			
	128446-60-6 - - -	Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315	< 2.50	wt%
2	<b>N-(3-(trimethoxysilyl)propyl)ethylenediamine</b>			
	1760-24-3 217-164-6 - 01-2119970215-39	Aquatic Chronic 2; H411 Acute Tox. 4; H332 Eye Dam. 1; H318 Skin Sens. 1; H317	< 2.50	wt%
3	<b>Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane</b>			
	93925-42-9 300-344-4 - 01-2119560586-30	Acute Tox. 4; H302 Aquatic Chronic 3; H412 Eye Dam. 1; H318 Flam. Liq. 3; H226 STOT RE 1; H372 Acute Tox. 4; H332 Muta. 2; H341 Repr. 1A; H360F Repr. 1B; H360D STOT SE 1; H370	< 0.50	wt%
4	<b>3-aminopropyltriethoxysilane</b>			
	919-30-2 213-048-4 612-108-00-0 01-2119480479-24	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 0.10 - < 1.00	wt%
5	<b>dodecamethylcyclohexasiloxane</b>			
	540-97-6 208-762-8 - -	-	< 0.50	wt%
6	<b>decamethylcyclopentasiloxane</b>			
	541-02-6 208-764-9 - -	-	< 0.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Route, target organ, concrete effect
3	H370 oral; thymus; -

### Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative

# EU safety data sheet

**Trade name:** SPIEGELKLEBER

**Product no.:** SPK

**Current version :** 3.1.0, issued: 20.01.2022

**Replaced version:** 3.0.0, issued: 25.09.2018

**Region:** GB

3	1000 mg/kg bodyweight	13,5 mg/l
---	-----------------------	-----------

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Ensure supply of fresh air.

#### After skin contact

Remove with a cloth or paper. Wash off immediately with soap and water.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

#### After ingestion

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

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

#### Effects

After ingestion the product may hydrolyze in contact with body fluids in the digestive tract to form additional methanol. Observe signs/symptoms of methanol poisoning.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam; Extinguishing powder; Water spray jet; Carbon dioxide

#### Unsuitable extinguishing media

High power water jet

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

None known.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. High risk of slipping due to leakage/spillage of product.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Collect mechanically. Send in suitable containers for recovery or disposal.

### 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

# EU safety data sheet

**Trade name:** SPIEGELKLEBER

**Product no.:** SPK

**Current version :** 3.1.0, issued: 20.01.2022

**Replaced version:** 3.0.0, issued: 25.09.2018

**Region:** GB

## 7.1 Precautions for safe handling

### Advice on safe handling

Ensure adequate ventilation. Refer to protective measures listed in section 8.

### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Wash hands before breaks and after work.

### Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from atmospheric moisture and water.

### Requirements for storage rooms and vessels

Store product in closed containers. Always keep in containers of same material as the original.

### Incompatible products

Acids; Bases; Keep away from water.

## 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane			93925-42-9 300-344-4	
	dermal	Long term (chronic)	systemic	0.006	mg/kg/day
	inhalative	Long term (chronic)	systemic	950	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	950	mg/m <sup>3</sup>
	inhalative	Short term (acute)	systemic	1900	mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	1900	mg/m <sup>3</sup>

##### DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane			93925-42-9 300-344-4	
	oral	Long term (chronic)	systemic	0.003	mg/kg/day
	oral	Short term (acute)	systemic	0.003	mg/kg/day
	dermal	Long term (chronic)	systemic	0.003	mg/kg/day
	dermal	Short term (acute)	systemic	0.003	mg/kg/day
	inhalative	Long term (chronic)	systemic	106	mg/m <sup>3</sup>
	inhalative	Short term (acute)	systemic	212	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	425	mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	950	mg/m <sup>3</sup>

##### PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane		93925-42-9 300-344-4	
	water	fresh water	0.001	mg/L
	water	marine water	0	mg/L
	water	Aqua intermittent	0.014	mg/L

# EU safety data sheet

**Trade name:** SPIEGELKLEBER

**Product no.:** SPK

**Current version :** 3.1.0, issued: 20.01.2022

**Replaced version:** 3.0.0, issued: 25.09.2018

**Region:** GB

	sewage treatment plant	-	100	mg/L
	secondary poisoning	-	0.2	mg/kg food

## 8.2 Exposure controls

### Appropriate engineering controls

No data available.

### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn.

#### Eye / face protection

No special measures required.

#### Hand protection

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material                      Nitrile impregnated protective gloves

#### Other

No special measures required.

### Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>
liquid
<b>Form/Colour</b>
pasty
colourless
<b>Odour</b>
mild
<b>pH value</b>
No data available
<b>Boiling point / boiling range</b>
No data available
<b>Melting point/freezing point</b>
No data available
<b>Decomposition temperature</b>
No data available
<b>Flash point</b>
No data available
<b>Ignition temperature</b>
No data available
<b>Flammability</b>
No data available
<b>Lower explosion limit</b>
No data available
<b>Upper explosion limit</b>
No data available

# EU safety data sheet

**Trade name:** SPIEGELKLEBER

**Product no.:** SPK

**Current version :** 3.1.0, issued: 20.01.2022

**Replaced version:** 3.0.0, issued: 25.09.2018

**Region:** GB

<b>Vapour pressure</b>	
No data available	

<b>Relative vapour density</b>	
No data available	

<b>Relative density</b>	
No data available	

<b>Density</b>	
Value	1.01 g/cm <sup>3</sup>

<b>Solubility</b>	
No data available	

<b>Partition coefficient n-octanol/water (log value)</b>	
No data available	

<b>Viscosity</b>	
Value	200 Pa*s
Type	dynamic
Comments	at a shear force of 20/s

<b>Particle characteristics</b>	
No data available	

## 9.2 Other information

<b>Other information</b>	
No data available.	

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Acids; Bases; Water

### 10.6 Hazardous decomposition products

Methanol; Possibility of splitting-off of small amounts of formaldehyde

## SECTION 11: Toxicological information

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

<b>Acute oral toxicity</b>			
No	Substance name	CAS no.	EC no.
1	Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane	93925-42-9	300-344-4
LD50		1000	mg/kg bodyweight
Species		rat	
Method		OECD 423	
Source		ECHA	

<b>Acute dermal toxicity</b>	
No data available	

# EU safety data sheet

Trade name: SPIEGELKLEBER

Product no.: SPK

Current version : 3.1.0, issued: 20.01.2022

Replaced version: 3.0.0, issued: 25.09.2018

Region: GB

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane	93925-42-9	300-344-4
LC50	>	13.5	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation	
No data available	

Serious eye damage/irritation	
No data available	

Respiratory or skin sensitisation	
No data available	

Germ cell mutagenicity	
No data available	

Reproduction toxicity	
No data available	

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

STOT - repeated exposure	
No data available	

Aspiration hazard	
No data available	

Delayed and immediate effects as well as chronic effects from short and long-term exposure	
Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Eye contact with the product may lead to irritation.	

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)	
No data available	

Toxicity to fish (chronic)	
No data available	

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane	93925-42-9	300-344-4
EC50	>	150	mg/l
Duration of exposure		48	h
Species	Daphnia magna		

# EU safety data sheet

**Trade name:** SPIEGELKLEBER

**Product no.:** SPK

**Current version :** 3.1.0, issued: 20.01.2022

**Replaced version:** 3.0.0, issued: 25.09.2018

**Region:** GB

Method	OECD 202
Source	ECHA

<b>Toxicity to Daphnia (chronic)</b>
No data available

<b>Toxicity to algae (acute)</b>			
No	Substance name	CAS no.	EC no.
1	Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane	93925-42-9	300-344-4
EL50	>	320	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

<b>Toxicity to algae (chronic)</b>
No data available

<b>Bacteria toxicity</b>
No data available

## 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

No data available.

## 12.6 Endocrine disrupting properties

No data available.

## 12.7 Other adverse effects

No data available.

## 12.8 Other information

<b>Other information</b>
Do not discharge into drains or waters and do not dispose of in public landfills.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Completely emptied packagings can be given for recycling. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.



# EU safety data sheet

**Trade name:** SPIEGELKLEBER

**Product no.:** SPK

**Current version :** 3.1.0, issued: 20.01.2022

**Replaced version:** 3.0.0, issued: 25.09.2018

**Region:** GB

## 14.4 Other information

No data available.

## 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

## 14.6 Special precautions for user

No data available.

## 14.7 Maritime transport in bulk according to IMO instruments

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

##### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

##### **REACH candidate list of substances of very high concern (SVHC) for authorisation**

The product contains following substance(s) meeting the criteria in Article 57 in association with Article 59 of the REACH regulation ((EC) 1907/2006) that are placed on the list of candidates considered for inclusion in annex XIV (substances subject to Authorisation).

No	Substance name	CAS no.	EC no.
1	decamethylcyclopentasiloxane	541-02-6	208-764-9
2	dodecamethylcyclohexasiloxane	540-97-6	208-762-8

##### **Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	3-aminopropyltriethoxysilane	919-30-2	213-048-4	75
2	decamethylcyclopentasiloxane	541-02-6	208-764-9	70
3	ethylenediamine	107-15-3	203-468-6	75
4	Sillicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane	93925-42-9	300-344-4	20

##### **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is not subject to Part 1 or 2 of Annex I.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

#### **Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

#### **Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H226

Flammable liquid and vapour.

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

# EU safety data sheet

---

**Trade name:** SPIEGELKLEBER

**Product no.:** SPK

**Current version :** 3.1.0, issued: 20.01.2022

**Replaced version:** 3.0.0, issued: 25.09.2018

**Region:** GB

---

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H341	Suspected of causing genetic defects
H360D	May damage the unborn child.
H360F	May damage fertility.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

## **Creation of the safety data sheet**

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: [umco@umco.de](mailto:umco@umco.de)

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

## **Alterations/supplements:**

Alterations to the previous edition are marked in the left-hand margin.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 627500