

## Safety Data Sheet

according to UK REACH Regulation

### KÖSTER KD 3 sealer

Revision date: 15.03.2022

Product code: W\_313

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

##### 1.1. Product identifier

KÖSTER KD 3 sealer

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

###### Use of the substance/mixture

No identified use(s).

###### Uses advised against

No identified use(s).

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

Company name:	KÖSTER BAUCHEMIE AG	
Street:	Dieselstrasse 1 - 10	
Place:	D-26607 Aurich	
Telephone:	+49-4941-9709-0	Telefax: +49-4941-9709-40
e-mail:	info@koester.eu	
Contact person:	Forschung & Entwicklung	
e-mail:	produktsicherheit@koester.eu	
Internet:	www.koester.eu	

##### 1.4. Emergency telephone number:

+49-551-19240 (24 h, Giftinformationszentrum Nord)

#### SECTION 2: Hazards identification

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

###### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

##### 2.2. Label elements

###### GB CLP Regulation

###### Special labelling of certain mixtures

EUH208	Contains 1,6-Hexanediamine, N1,N1,N6,N6-tetramethyl-, propoxylated (>1 < 4,5 mol PO). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

###### Chemical characterization

Silicate solution in water

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
1312-76-1	Potassium silicate			10 - < 20 %
	215-199-1			
	Met. Corr. 1, Skin Corr. 1A; H290 H314			
158451-78-6	1,6-Hexanediamine, N1,N1,N6,N6-tetramethyl-, propoxylated (>1 < 4,5 mol PO)			< 0.1 %
	605-146-4			
	Skin Corr. 1A, Eye Dam. 1, Skin Sens. 1A; H314 H318 H317			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
1312-76-1	215-199-1	Potassium silicate	10 - < 20 %
	oral: LD50 = > 2000 mg/kg Skin Corr. 1A; H314: >= 40 - 100 Skin Corr. 1B; H314: >= 40 - < 40 Skin Corr. 1C; H314: >= 40 - < 40 Skin Irrit. 2; H315: >= 40 - < 40 Eye Dam. 1; H318: >= 40 - < 40 Eye Irrit. 2; H319: >= 40 - < 40		
158451-78-6	605-146-4	1,6-Hexanediamine, N1,N1,N6,N6-tetramethyl-, propoxylated (>1 < 4,5 mol PO)	< 0.1 %
	oral: LD50 = 2000 mg/kg		

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

First aider: Pay attention to self-protection!

**After inhalation**

Provide fresh air.

**After contact with skin**

Wash with plenty of water. Change contaminated clothing.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

Caution if victim vomits: Risk of aspiration!

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

No known symptoms to date.

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

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

High power water jet.

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

The product itself does not burn.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

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

##### **General advice**

See section 8.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

##### **Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

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

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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

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

##### **Advice on safe handling**

No special measures are necessary.

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

##### **Advice on general occupational hygiene**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

##### **Further information on handling**

No special handling instructions are necessary.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **Requirements for storage rooms and vessels**

Keep container tightly closed.

##### **Hints on joint storage**

No special technical protective measures are necessary.

##### **Further information on storage conditions**

No special measures are necessary.

#### **7.3. Specific end use(s)**

No information available.

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

#### **8.1. Control parameters**

##### **Additional advice on limit values**

To date, no national critical limit values exist.

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**8.2. Exposure controls****Appropriate engineering controls**

See section 7. No additional measures necessary.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber). Breakthrough times and swelling properties of the material must be taken into consideration.

**Skin protection**

Only wear fitting, comfortable and clean protective clothing.

**Respiratory protection**

No special measures are necessary.

**Environmental exposure controls**

Do not allow uncontrolled discharge of product into the environment.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	transparent
Odour:	odourless
Melting point/freezing point:	0 °C
Boiling point or initial boiling point and boiling range:	100 °C
pH-Value (at 23 °C):	10
Water solubility:	completely miscible
Density:	1,2 g/cm <sup>3</sup>

**9.2. Other information****Other safety characteristics**Viscosity / dynamic:  
(at 23 °C) 5 mPa·s**Further Information**

No information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No risks worthy of mention.

**10.2. Chemical stability**

No risks worthy of mention.

**10.3. Possibility of hazardous reactions**

No risks worthy of mention.

**10.4. Conditions to avoid**

No risks worthy of mention.

**10.5. Incompatible materials**

acid.

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**10.6. Hazardous decomposition products**

No information available.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in GB CLP Regulation**

**Toxicocinetics, metabolism and distribution**

No information available.

**Acute toxicity**

No information available.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1312-76-1	Potassium silicate				
	oral	LD50 > 2000 mg/kg			
158451-78-6	1,6-Hexanediamine, N1,N1,N6,N6-tetramethyl-, propoxylated (>1 < 4,5 mol PO)				
	oral	LD50 2000 mg/kg	Ratte		

**Irritation and corrosivity**

Due to its pH value (see section 9), irritation of the skin and eyes cannot be ruled out.

**STOT-repeated exposure**

No information available.

**Information on likely routes of exposure**

Ingestion

**Specific effects in experiment on an animal**

No information available.

**Additional information on tests**

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

**SECTION 12: Ecological information**

**12.1. Toxicity**

No information available.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
1312-76-1	Potassium silicate					
	Acute fish toxicity	LC50 > 100 mg/l	96 h			
158451-78-6	1,6-Hexanediamine, N1,N1,N6,N6-tetramethyl-, propoxylated (>1 < 4,5 mol PO)					
	Acute fish toxicity	LC50 > 120 mg/l	96 h	Zebrafisch		
	Acute algae toxicity	ErC50 > 222 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 105 mg/l	48 h	Daphnia magna		

**12.2. Persistence and degradability**

Product is not easily biodegradable.

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**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

This substance does not meet the criteria for classification as PBT or vPvB.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

080112 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish other than those mentioned in 08 01 11

**Contaminated packaging**

Water (with cleaning agent). Completely emptied packages can be recycled.

**SECTION 14: Transport information****Land transport (ADR/RID)****Other applicable information (land transport)**

No dangerous good in sense of these transport regulations.

**Inland waterways transport (ADN)****Other applicable information (inland waterways transport)**

No dangerous good in sense of these transport regulations.

**Marine transport (IMDG)****Other applicable information (marine transport)**

No dangerous good in sense of these transport regulations.

**Air transport (ICAO-TI/IATA-DGR)****Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

SECTION 6: Accidental release measures

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

**14.7. Maritime transport in bulk according to IMO instruments**

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not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 2,13.

**Relevant H and EUH statements (number and full text)**

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
EUH208	Contains 1,6-Hexanediamine, N1,N1,N6,N6-tetramethyl-, propoxylated (>1 < 4,5 mol PO). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*