

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KOESTER KD 2 Blitz powder

Revision date: 20.02.2018

Product code: W512

Page 1 of 7

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

KOESTER KD 2 Blitz powder

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

The product is intended for professional use. Building and construction work.

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number: +49-551-19240 (24 h, Giftinformationszentrum Nord)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

May cause respiratory irritation.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Portlandcement clinker

Calciumoxid

Signal word: Danger**Pictograms:****Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KOESTER KD 2 Blitz powder

Revision date: 20.02.2018

Product code: W512

Page 2 of 7

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see SECTION 4: First aid measures on this label).

Additional advice on labelling

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

2.3. Other hazards

The product develops an alkaline pH value with moisture and can cause irritation.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Cement product for which the amount of chromium VI was decreased to < 0,0002 % by a reduction agent (related to the total dry weight).

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
65997-15-1	Portlandcement clinker			< 50 %
	266-043-4			
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335			
1305-78-8	Calciumoxid			< 10 %
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335			

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

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. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Medical treatment necessary.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

Following eye contact: Risk of serious damage to eyes.

After skin contact: The product develops an alkaline pH value with moisture and can cause irritation. Contains chromium (VI). May produce an allergic reaction.

Following inhalation: Inhalation of dust may cause irritation of the respiratory system.

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

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Treat symptomatically.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KOESTER KD 2 Blitz powder

Revision date: 20.02.2018

Product code: W512

Page 3 of 7

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

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

Suitable extinguishing media: Foam, Carbon dioxide (CO₂), Sand, Extinguishing powder.**Unsuitable extinguishing media**

High power water jet.

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

Fire fighting water forms corrosive alkaline solutions - slip hazard! 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**

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically. 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**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Further information on handling

When diluting/dissolving, always have the water ready first, then slowly stir in the product.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Advice on storage compatibility

No special precautionary measures are necessary.

Further information on storage conditions

No special technical protective measures are necessary.

7.3. Specific end use(s)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KOESTER KD 2 Blitz powder

Revision date: 20.02.2018

Product code: W512

Page 4 of 7

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1305-78-8	Calcium oxide	-	2		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
65997-15-1	Portland cement, respirable dust	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

Eye/face protection

In the case of the formation of dust. Tightly sealed safety glasses.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Skin protection

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

Respiratory protection necessary at: insufficient ventilation. half-mask with filter (DIN EN 149).

Environmental exposure controls

Avoid release to the environment. Do not empty into drains.

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

Physical state: solid
 Colour: brown
 Odour: odourless

Changes in the physical state

Melting point: 1250 °C
 Sustaining combustion: Not sustaining combustion

Flammability

Solid: Non-flammable.

Explosive properties

not explosive.

Oxidizing properties

Not oxidising.

Density: 3 g/cm³
 Bulk density: 1,16 kg/m³
 Water solubility: practically insoluble

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KOESTER KD 2 Blitz powder

Revision date: 20.02.2018

Product code: W512

Page 5 of 7

9.2. Other information

Solid content:

100

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

Moisture-sensitive.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No special precautionary measures are necessary.

10.4. Conditions to avoid

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

10.5. Incompatible materials

Aluminium. Acid.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1305-78-8	Calciumoxid				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 > 2500 mg/kg	Rabbit		

Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

Sensitising effects

Based on available data, the classification criteria are not met.

May cause sensitization by skin contact.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

No indications of human reproductive toxicity exist.

STOT-single exposure

May cause respiratory irritation. (Portlandcement clinker)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KOESTER KD 2 Blitz powder

Revision date: 20.02.2018

Product code: W512

Page 6 of 7

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**

Inorganic product which is not eliminable from water through biological cleaning processes. Product is not easily biodegradable.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1305-78-8	Calciumoxid					
	Acute fish toxicity	LC50 mg/l	50,6	96 h		
	Acute algae toxicity	ErC50	184 mg/l			
	Acute crustacea toxicity	EC50 mg/l	49,1	48 h		

12.2. Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances. According to experiences this product is inert and not degradable.

12.3. Bioaccumulative potential

Does not accumulate in organisms.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. 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****Advice on disposal**

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

101311 WASTES FROM THERMAL PROCESSES; wastes from manufacture of cement, lime and plaster and articles and products made from them; wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10

Waste disposal number of used product

170107 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); concrete, bricks, tiles and ceramics; mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

Contaminated packaging

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

SECTION 14: Transport information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KOESTER KD 2 Blitz powder

Revision date: 20.02.2018

Product code: W512

Page 7 of 7

Land transport (ADR/RID)**14.1. UN number:** not applicable**Other applicable information (land transport)**

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)**14.1. UN number:** not applicable**Other applicable information (inland waterways transport)**

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)**14.1. UN number:** not applicable**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. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

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

Water contaminating class (D): 1 - slightly water contaminating

Additional information

00-4

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

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.)