

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Kaolin KSL 520

Revision: 7/9/2026

Product code: KSL0045

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

1.1. Product identifier

Kaolin KSL 520
 Substance name: Kaolin
 CAS No: 1332-58-7
 EC No: 310-194-1

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

Use of the substance/mixture

Test dust

1.3. Details of the supplier of the safety data sheet

Company name: KSL staubtechnik gmbh
 Street: Westendstraße 11
 Place: D-89415 Lauingen
 Telephone: +49 (0) 9072 95 00-0 Telefax: +49 (0) 9072 95 00-50
 E-mail: info@ksl-staubtechnik.de
 Contact person: Dr. R. Stadler Telephone: +49 (0) 9072 95 00-0
 E-mail (Contact person): info@ksl-staubtechnik.de
 Internet: www.ksl-staubtechnik.de

1.4. Emergency telephone number:

+49 (0) 9072 / 95 00-0 (Availability: Mon-Thu 08:00-16:00, Fri 08:00-12:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This substance is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Additional advice on labelling

Label elements: none.

2.3. Other hazards

The product is an inorganic substance, does not fulfil the criteria for PBT and vPvB substances according to Annex XIII of REACH Regulation 1907/2006/EC.

SECTION 3: Composition/information on ingredients

3.1. Substances

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
1332-58-7	Kaolin			100 %
	310-194-1			

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

Further Information

This product contains less than 1% respirable quartz.
 This product contains less than 1% of the fine fraction of titanium dioxide (anatase), which is classified as a Category 2 carcinogen.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Inhalation should generally be avoided.

After inhalation

Provide fresh air. If symptoms such as discomfort, coughing or persistent irritation occur, consult a doctor. Inhalation should generally be avoided.

After contact with skin

Wash off with soap and water.

After contact with eyes

If necessary, remove the contact lens and rinse the eye under running water with the eyelid open to remove all particles. If symptoms persist, it is advisable to consult a doctor.

After ingestion

No special measures are necessary. If symptoms persist, it is advisable to consult a doctor.

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

The acute symptoms are caused by exposure to dust. No delayed effects are expected if the first-aid measures described are carried out.

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

No special measures are known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

No special extinguishing agent is required.

Unsuitable extinguishing media

No special extinguishing agent is required.

5.2. Special hazards arising from the substance or mixture

none . Non-flammable. No hazardous thermal decomposition.

5.3. Advice for firefighters

Avoid dust formation. If dust is generated, wear respiratory protection with an FFP2 particulate filter. Caution: slippery when wet!

Additional information

No measures are required as the substance is not flammable.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Caution: slippery when wet! Wear shoes with non-slip soles.

For non-emergency personnel

Wear protective clothing as described in Section 8. Follow the instructions for safe handling as described in Section 7. Ensure adequate ventilation and prevent dust from forming.

For emergency responders

Emergency plans are not required. However, respiratory protection is necessary in case of high dust exposure.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

For containment

Avoid generating dust.

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For cleaning up

Pick up or vacuum the mixture mechanically and collect it in the designated container for disposal in accordance with local regulations.

Other information

Blowing off for cleaning purposes is not permitted.

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

Avoid dust formation. Areas where dust is generated must be equipped with suitable ventilation systems. In case of inadequate ventilation wear respiratory protection. Handle the packaging with care to avoid damage. Further information can be found in the guide to good practice on protecting workers' health through good handling and use of crystalline silica and products containing it (see section 16).

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Wear a dust mask and safety goggles in dusty atmospheres. Avoid contact with skin, eyes and clothes. Wash contaminated clothing prior to re-use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a dry place, tightly sealed, preferably in the original container. Store packaged products in such a way that the packaging is not damaged.

Hints on joint storage

none

7.3. Specific end use(s)

Use appropriately and sparingly with suitable test equipment depending on the intended use. No additional information is available for the specific end uses (see section 1.2).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls

Exposure can be controlled by enclosing equipment and ensuring good ventilation at workstations. Keep people away from dusty areas. In case of inadequate ventilation wear respiratory protection. Maintain good hygiene standards (section 7.1.2).

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear closed safety goggles in accordance with EN 166 if dust is generated.

Hand protection

Not required.

Skin protection

Not required.

Respiratory protection

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If dust is generated, wear respiratory protection with an FFP2 particulate filter.

Thermal hazards

Hygiene measures: Do not eat, drink or smoke at work. Wash hands and shower if necessary before breaks and at the end of work. Avoid contact with eyes and skin. After work, workers should wash or shower and use skin care products. Clean contaminated clothing, shoes, watches, etc. before reuse.

Environmental exposure controls

See also sections 6 and 7.

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

Physical state:	solid - Powder
Colour:	white
Odour:	odourless
Odour threshold:	not applicable
Melting point/freezing point:	> 450° C °C
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	Non-flammable.
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	not applicable
Auto-ignition temperature:	not applicable
Decomposition temperature:	not applicable
pH-Value:	5 - 8
Viscosity / kinematic:	not applicable
Water solubility (at 20 °C):	< 1 mg/l g/l
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not applicable
Vapour pressure:	not applicable
Density:	2,6 g/cm ³
Relative density:	not applicable
Relative vapour density:	not applicable
Particle characteristics:	X50 value: 1µm - 10µm

9.2. Other information**Information with regard to physical hazard classes**

Explosive properties

The product is not: Explosive.

Oxidizing properties

not applicable

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

Inert product. Non-reactive.

10.2. Chemical stability

The fabric is sturdy.

10.3. Possibility of hazardous reactions

No hazard under normal storage conditions.

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10.4. Conditions to avoid

Moisture and water during storage can lead to clumping and loss of product quality.

10.5. Incompatible materials

not relevant

10.6. Hazardous decomposition products

none

SECTION 11: Toxicological information

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

Acute toxicity

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

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

STOT-single exposure

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

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.

Information on likely routes of exposure

Irritation of the eyes or respiratory tract due to foreign bodies is possible.

Practical experience

Prolonged and/or intense exposure to dust containing respirable crystalline silica can cause silicosis. This disease is a nodular pulmonary fibrosis caused by inhalation and deposition of mineral dust.

11.2. Information on other hazards

Endocrine disrupting properties

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

Other information

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

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

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h][d]	Species	Source	Method
1332-58-7	Kaolin					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Registration Dossier according to Regulation (EC) No. 1907/2006 [REACH].	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna (Big water flea)	Registration Dossier according to Regulation (EC) No. 1907/2006 [REACH].	

12.2. Persistence and degradability

Chemically stable, inorganic substance: no abiotic or biological degradation is expected.

12.3. Bioaccumulative potential

Inorganic substance: bioaccumulation is not expected.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation. Pick up the product dry. Do not dispose of in sewage or surface water.

Discuss the exact waste code with the waste disposal company.

010409 - Waste sand and clay

Contaminated packaging

150106 - mixed packaging according to material recycling

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

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14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Downstream user conditions or monitoring arrangements:

The product is not subject to the registration requirements of EC Regulation 1907/2006 (REACH).

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): - - non-hazardous to water

Additional information

TRGS 500 , TRGS 559 , TRGS 900 , TRGS 906 , Technische Anleitung zur Reinhaltung der Luft (TA-Luft) , Regulation on occupational health care (ArbMedVV) , BG principles for occupational health check-ups

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

EC/EEC: European Community/European Economic Community

EU: European Union

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

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EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
M-factor: Multiplying factor
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
DGR: Dangerous Goods Regulations
ICAO: International Civil Aviation Organization
TI: Technical Instructions
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Key literature references and sources for data

We refer to information provided by raw material suppliers/manufacturers and the ECHA database on classification and labelling as sources for the most important data and technical information.

Further Information

The information in this safety data sheet describes the safety requirements of our product and is based on our current state of knowledge. It does not constitute a guarantee of product properties and does not establish a contractual legal relationship. This safety data sheet is intended solely as a source of information for the user. It has been compiled with the utmost care; however, no guarantee can be given for the accuracy of the data, nor can any liability be accepted for the consequences of printing, typesetting or transmission errors. Existing laws, regulations and rules, including those not mentioned in this data sheet, must be observed by the recipient of our products on their own responsibility.