

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision: 7/7/2026

Middle East (ME) Test dust

Product code: KSL0043

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

1.1. Product identifier

Middle East (ME) Test dust

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 mixture 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

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
1317-65-3	Limestone (calcium carbonate)			50%
	215-279-6			
16389-88-1	Dolomite - calcium magnesium carbonate			25%
	240-440-2			
12174-11-7	Attapulgite (Palygorskite)			10%
1332-58-7	Kaolin			6,5%
	310-194-1			
68476-25-5	Feldspar			6%
	270-666-7			
10034-76-1	Plaster			2,5%
	600-067-1			

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

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Further Information

This product contains less than 1% respirable quartz.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If symptoms persist, it is advisable to consult a doctor. Tell the doctor what substance/product was involved and what measures were taken. Remove contaminated, saturated clothing.

After inhalation

Provide fresh air. Dust from the throat and nose should be removed quickly. 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 possible, use isotonic eye solution (0.9% NaCl). Do not rub the eye dry, as additional corneal damage is possible due to the mechanical stress. Medical treatment necessary.

After ingestion

Rinse mouth thoroughly with water. Spit out the liquid. Make sure you drink plenty of water.

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

Dust can cause irritation to the eyes and respiratory tract (due to foreign bodies). The following symptoms may occur: Cough, Sneezing, Ejection, Difficulty breathing.

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

Treat symptomatically. No special measures are known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.
Water spray jet, alcohol resistant foam, Dry extinguishing powder

Unsuitable extinguishing media

Powder, Full water jet, Carbon dioxide (CO₂), Select an extinguishing agent appropriate to the surroundings.

5.2. Special hazards arising from the substance or mixture

In the event of a fire, the components gypsum and attapulgite may release gases or vapours that are harmful to health.

5.3. Advice for firefighters

Use personal protection equipment. Caution: slippery when wet!
Dilute toxic gases with water mist.

Additional information

Dispose of contaminated fire-fighting water and fire residues in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid dust formation. Do not breathe dust. Ensure adequate ventilation or respiratory protection if the limit values specified in TRGS 900 are exceeded. If dust is generated, wear respiratory protection with an FFP2 particulate filter. Avoid contact with the eyes and skin. 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.

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For emergency responders

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

6.2. Environmental precautions

Retain contaminated water / fire-fighting water. Do not allow to enter into surface water or drains.

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

Avoid generating dust. Collect any spilled product in suitable containers. Seal the leak and shut off the supply. Suppress/dilute the dust cloud with a water mist.

For cleaning up

Pick up or vacuum the mixture mechanically and collect it in the designated container for disposal in accordance with local regulations. Do not sweep when dry. Absorb large quantities using dust-binding material and dispose of them in accordance with the 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. Ensure there is adequate ventilation/extraction in the workplace. When transferring large quantities without a fume extraction system: wear respiratory protection.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Take off contaminated clothing. 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. Remove any soiled clothing and protective equipment before entering dining areas.

Further information on handling

Only sweep with a suitable broom. For cleaning, use suitable methods such as vacuum suction that are as dry as possible and do not cause dust to form.

Do not allow to enter waterways, sewage systems or the ground. Avoid contact with acids.

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.

Hints on joint storage

Do not store together with acids.

Further information on storage conditions

No decomposition if stored and used as intended.

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).

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).

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls**Appropriate engineering controls**

A combination of technical and individual protective measures is often necessary to comply with occupational exposure limits. Recommended measurement methods for workplace measurements: See the series of publications by the employers' liability insurance association. Technical control measures and individual protective measures are recommended for the identified uses (section 1.2).

Ventilate as needed to control dust in the air. Use a ventilation system if there is a high concentration of dust in the air.

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

May cause slight irritation to sensitive individuals due to mechanical friction on the skin. If necessary, wear protective gloves in accordance with standard EN 374. Gloves according to EN 374 are recommended. People who suffer from dermatitis or have particularly sensitive skin should take suitable protective measures (e.g. wear gloves or use protective cream). Wash hands before breaks and after work.

Skin protection

No personal protective equipment is necessary when used as intended. Handle the product in accordance with the safety instructions.

The usual precautionary measures for handling chemicals must be observed.

Respiratory protection

If exposure limits are exceeded (e.g. when handling powdered product in the open air), a suitable respirator with P1 or P2 particle filter in accordance with standard 143 must be worn, depending on the dust exposure.

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:	whitish - greyish
Odour:	odourless
Odour threshold:	not applicable
Melting point/freezing point:	no data available
Boiling point or initial boiling point and boiling range:	no data available
Flammability:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not determined
Flash point:	no data available
Auto-ignition temperature:	not determined
Decomposition temperature:	not applicable
pH-Value:	no data available
Viscosity / kinematic:	not applicable
Water solubility:	negligible
Solubility in other solvents	

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not determined

Partition coefficient n-octanol/water:

not applicable

Vapour pressure:

not applicable

Density:

not determined

Relative density:

not determined

Relative vapour density:

not applicable

Particle characteristics:

not determined

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

Explosive properties

The product is not: Explosive.

Self-ignition temperature

Solid:

not applicable

Oxidizing properties

not applicable

Other safety characteristics

Evaporation rate:

not applicable

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

No hazardous reactions are known if stored and handled properly.

Gypsum sets when it comes into contact with water (moisture).

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures. Gypsum is hygroscopic.

10.3. Possibility of hazardous reactions

No hazard under normal storage conditions.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Vegetable oils, unsaturated organic compounds. Avoid contact with acids.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

Not very harmful if swallowed or in contact with the skin. Does not irritate the skin. Not very harmful if inhaled.

Slightly irritating to the eyes.

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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.

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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 mixture 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.

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

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

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.

The product has not been tested.

12.6. Endocrine disrupting properties

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

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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**

Pick up the product dry. Avoid dust formation. Dispose of waste according to applicable legislation. If necessary, coordinate disposal with the local authorities. Do not dispose of in sewage or surface water.

Discuss the exact waste code with the waste disposal company.

010410 - dusty and powdery waste

Contaminated packaging

150106 - mixed packaging according to material recycling

The formation of dust as a result of residues in the packaging should be avoided. Store contaminated packaging materials in closed containers. Recycling and disposal of packaging material must be carried out in accordance with local regulations and should be performed by a certified waste disposal company. Do not reuse packaging material.

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.

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

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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 , 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

Chemical safety assessments for substances in this mixture were not 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%

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).

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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.

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