

# Safety data sheet according to Regulation (EC) No. 1907/2006

Trade name: Middle East (ME) Test Dust  
Revision date: 27 August 2019  
Print date: 28 August 2019

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## SECTION 1: Identification of the substance or mixture and of the company

### 1.1 Product identifier

Substance name/ Trade name: Middle East (ME) Test Dust

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

Relevant identified uses: Test dust  
Uses advised against: -

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

Manufacturer/ Supplier: KSL staubtechnik gmbh  
Street/ PO Box: Westendstrasse 11  
Nat. ident./ Postcode/ Place: DE - 89415 Lauingen  
Telephone/ Fax/ E-mail: +49 (0) 9072 / 95 00-0 / Fax: -50 / info@ksl-staubtechnik.de

### 1.4 Emergency telephone number

+49 (0) 9072 / 95 00-0 (Accessibility: Mon-Thu 8 am to 4 pm, Fri 8 am to 12 pm)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No. 1272/2008

No hazardous substance or hazardous mixture according to Regulation (EC) No. 1272/2008.  
This product contains less than 1 % respirable quartz.

### 2.2 Label elements

#### 2.2.1 Label elements according to Regulation (EC) No. 1272/2008

Not subject to label according to Regulation (EC) No. 1272/2008

### 2.3 Other hazards

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

## SECTION 3: Composition/ information on ingredients

### 3.1 Substances

This product is a mixture.

### 3.2 Mixtures

Composition/ information on ingredients

Description of the mixture: Middle East (ME) Test Dust

Hazardous ingredients: None

Product identifier	CAS No.	EG-No.	Concentration range [M.-%]	Reg. no. (REACH)	Classification according to Regulation (EC) No. 1272/ 2008
Calcium carbonate	1317-65-3	215-279-6	50 %	-	not applicable
Dolomite	16389-88-1	240-440-2	25 %	-	not applicable
Attapulgite (Palygorskite)	12174-11-7	601-805-5	10 %	-	not applicable
Albite	68476-25-5	270-666-7	6 %	-	not applicable
Kaolin	1332-58-7	310-194-1	6.5 %	-	not applicable
Gypsum	10034-76-1	600-067-1	2.5 %	-	not applicable

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes:

If symptoms persist, it is advised to consult a doctor. Please specify substance/product and measures taken to the doctor. Take off contaminated clothing.

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## After inhalation:

Supply fresh air. Any dust in throat and nasal passages should be cleared promptly. Consult a doctor in case of symptoms such as discomfort, cough or persistent irritation. In general, inhalation is to be avoided.

## After skin contact:

Wash with water and soap.

## After eye contact:

If necessary, remove contact lenses and, holding the eyelid open, rinse the eye under running water to remove all particles. If possible, use an isotonic eye rinsing solution (0.9 % NaCl). Do not rub eyes when dry, since additional cornea damage could occur due to mechanical stress.

## After ingestion:

Rinse mouth with plenty of water. Spit out the fluid. Then drink plenty of water.

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

Dust may cause irritation of the eyes and the respiratory tract (caused by foreign bodies). Symptoms can be: sneezing, (productive) cough, respiratory problems.

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

Treat according to symptoms. There are no known special measures.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable:

Water spray jet, alcohol-resistant foam, dry chemical.

Extinguishing agents and fire-fighting measures are to be coordinated in accordance with the surrounding fire.

#### Unsuitable:

Powder and solid water jet, carbon dioxide.

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

In case of fire the components gypsum and attapulgitite can release gases and vapors that are detrimental to health.

### 5.3 Advice for firefighters

Wear suitable protective equipment. Risk of slipping when wet material on the floor. Dilute toxic gases with water spray.

### 5.4 Additional advice

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## SECTION 6: Accidental release measures

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

Avoid dust generation. Provide sufficient ventilation or respiratory protection (particle filter P2) if limit values of the TRGS 900 are exceeded. Avoid contact with eyes and skin. Risk of slipping when wet material on the floor. Wear shoes with anti-slip soles.

#### 6.1.1. For non-emergency personnel

Wear protective clothing as described under Section 8. Follow the instructions for safe use, as described under Section 7.

#### 6.1.2. For emergency responders

Emergency plans are not necessary. However, with high dust levels, respiratory protection is required.

### 6.2 Environmental precautions

Contain contaminated water/extinguishing water. Do not allow product to enter sewage system or waters.

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

#### 6.3.1 Notes for containment

Avoid dust generation. Contain released substance in suitable containers. Plug the leak, cut off the supply. Contain dust cloud with water mist.

#### 6.3.2 Notes for clean-up

Absorb or suck the mixture mechanically. For disposal, collect it in the containers provided for this purpose, according to local regulations. Avoid dry sweeping. Contain large amounts with dust binding material and dispose according to regulations.

#### 6.3.3 Advices on inappropriate containment and cleaning methods

Blowing-off for cleaning purposes is not permitted.

### 6.4 Reference to other sections

See also sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### 7.1.1 Recommendations on safe handling

Avoid dust formation and deposits. Ensure good ventilation and/or an exhaust system in the working area. Wear respiratory equipment when transferring large quantities without exhaust system.

#### Measures to prevent fire and explosion

None.

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## Measures to prevent aerosol and dust generation

Sweep only with appropriate cleaning agent. For cleaning, use suitable dry methods - such as vacuum intake - that do not cause dust generation.

## Measures to protect the environment

Keep the substance away from waters, sewerage or soil. Avoid contact with acids.

### 7.1.2 Advice on general occupational hygiene

During work do not drink, eat or smoke. Wash hands after use/contact. In dusty atmosphere, use breathing masks and safety goggles. Take off contaminated clothing and protective equipment before entering food-handling areas.

## 7.2 Conditions for safe storage, including any incompatibilities

### Advice on storage conditions

Store containers dry. Do not store together with acids.

### Requirements for storage rooms and vessels

Store in dry and sealed containers, possibly the original ones, in a well-ventilated place.

### Storage class:

VCI: 13 (non-flammable solids)

### Other information:

No decomposition if stored and used according to specifications.

## 7.3 Specific end use(s)

### Industry and sector specific guidance

Economical and appropriate use with suitable equipment depending on the intended purpose. For specific end uses (see Section 1.2), no additional information is available.

Further information can be found i.a. in the Agreement on Workers' Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it (see section 16).

## SECTION 8: Exposure controls/ personal protection

### 8.1 Control parameters

Components with workplace-related limit values to be monitored:

Chemical identity	CAS No.	EC No.	National limit value	Exposure type	Comment / Legal provision
General dust limit value	-	-	1,25 (A) mg/m <sup>3</sup> (respirable)	inhalative	Workplace-related limit value TRGS 900
General dust limit value	-	-	10 (E) mg/m <sup>3</sup> (inhalable)	inhalative	Workplace-related limit value TRGS 900
Gypsum	10034-76-1	600-067-1	6 mg/m <sup>3</sup> (A)	inhalative	Workplace-related limit value TRGS 900

You can find information on the limits in other countries here: <https://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp>

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

To comply with workplace-related limit values, combined technical and individual protection measures are often necessary. Recommended measuring procedures for workplace-related measurements: see the professional association series of papers. For the identified uses (Section 1.2), technical control devices and personal protection measures are recommended. Ventilate as required to control dust in the air. With high dust content in the air, use a ventilation system.

#### 8.2.2 Individual protection measures such as personal protective equipment

##### General

When the product is used as intended, no personal protective equipment is necessary. Treat the product in compliance with the safety instructions. Observe the general safety regulations when handling chemicals.

##### Eye-/face protection

In case of dust generation, wear closed protective goggles according to EN 166.

##### Skin-/hand protection

People suffering from dermatitis or with very sensitive skin should take appropriate precautions (e.g. wear gloves or use protective cream). Wash hands after working. The use of gloves compliant to the EN 374 standard is recommended.

##### Respiratory protection

In case the exposure limit values are exceeded (e.g. by open handling of powdery product), a suitable breathing mask with P2 particle filter must be worn according to Standard 143.

##### Hygiene measures

When working do not eat, drink or smoke. Wash your hands before any breaks and after finishing work, and if necessary have a shower. Avoid contact with eyes and skin. After work, workers should wash or have a shower and use skin care products. Clean contaminated clothing, shoes, watches, etc., before re-using.

#### 8.2.3 Environmental exposure controls

See also sections 6 and 7. No further action is required.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

(a)	<b>Appearance:</b> - Aggregate state - Colour	powder - solid whitely-grayly
(b)	<b>Odour</b>	odourless
(c)	<b>Odour threshold:</b>	not applicable
(d)	<b>pH:</b>	no data available
(e)	<b>Melting point/freezing point:</b>	no data available
(f)	<b>Initial boiling and boiling range:</b>	no data available
(g)	<b>Flash point:</b>	no data available
(h)	<b>Evaporation rate:</b>	not applicable
(i)	<b>Flammability (solid, gas):</b>	not applicable
(j)	<b>Lower explosive limits:</b>	not applicable
(k)	<b>Vapour pressure:</b>	not applicable
(l)	<b>Vapour density:</b>	not applicable
(m)	<b>Relative density:</b>	not determined
(n)	<b>Solubility(ies):</b>	negligible
(o)	<b>Partition coefficient:</b>	not applicable
(p)	<b>Auto-ignition temperature:</b>	not applicable
(q)	<b>Decomposition temperature:</b>	not applicable
(r)	<b>Viscosity:</b>	not applicable
(s)	<b>Explosive properties:</b>	none
(t)	<b>Oxidising properties:</b>	not applicable, the mixture has no oxidising properties

### 9.2 Other information

Not applicable.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

In case of appropriate storage and handling, no hazardous reactions are known. The component gypsum solidifies under the influence of water (humidity).

### 10.2 Chemical stability

Under normal ambient temperature and pressure the mixture is stable. The component 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 may cause lump formation and loss of product quality.

### 10.5 Incompatible materials

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

### 10.6 Hazardous decomposition products

None if used as intended.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Less harmful if swallowed, inhaled or in contact with skin. No irritating effect on the skin. Slight irritant effect on the eyes.

#### Acute toxicity:

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

#### Skin corrosion/irritation:

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

#### Serious eye damage/irritation:

The component kaolin is considered to be mildly eye irritant.

#### Respiratory or skin sensitisation:

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

#### Mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### Aspiration hazard

No data available.

#### Specific target organ toxicity – single exposure

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

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## Specific target organ toxicity – repeated exposure

If used and handled as intended, the product does not have any harmful effects to our experience and information. The statement is derived from the properties of the individual components.

## Delayed and immediate effects, as well as chronic effects from short and long term exposure

### Immediate effects

Irritation of the eyes or respiratory tract caused by exposure to foreign bodies may occur

### Chronic effects with prolonged exposure

No data available.

## SECTION 12: Ecological information

For the product, no ecotoxicological data is available. No impairment known. No problems with degradability, not biologically concentrating.

### 12.1 Toxicity

No data available.

### 12.2 Persistence and degradability

Not applicable for inorganic substances.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

Not applicable for inorganic substances.

### 12.6 Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Collect the product dry. Avoid dust formation in general.

It can be disposed in compliance with local regulations. Dispose of larger amounts in accordance with local official regulations.

Do not dispose in waste water or surface water.

#### Recommendation

Agree on the correct waste code with the disposal company.

#### Waste code according to the European List of Waste (LoW)

010410 – dusty and powdery waste

#### Treatment of purified/unclean packaging

150106 – mixed packaging according to specific material recycling

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

## SECTION 14: Transport information

The product is a non-dangerous good with respect to transport regulations (ADR, RID, ADN, IMDG, ICAO/IATA).

### 14.1 UN number

Not applicable.

### 14.2 UN proper shipping name

Not applicable.

### 14.3 Transport hazard class(es)

Not applicable.

### 14.4 Packing group

Not applicable.

### 14.5 Environmental hazards

Not applicable.

### 14.6 Special precautions for user

No special measures.

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## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable.

## SECTION 15: Regulatory information

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

The product does not fall within the registration requirement of EC Regulation 1907/2006 (REACH).

#### EU regulations

##### National regulations

When handling this product, the following valid legal provisions are i. a. to be complied with

VwVwS Water hazard class: nwg – not hazardous for water

TRGS 500 "precautions"

TRGS 559 "Mineral dust"

TRGS 900 "Work-place related limit values"

Technical Instructions on Air Quality Control

Regulation on occupational health care (ArbMedVV)

Basic principles of the Institution for Statutory Accident Insurance and Prevention on occupational medical examinations

### 15.2 Chemical safety assessment

A safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Changes to the previous version

New publication.

### 16.2 Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ArbMedVV	Verordnung zur arbeitsmedizinischen Vorsorge (Regulation on occupational health care)
BG	Berufsgenossenschaft (Institution for Statutory Accident Insurance and Prevention)
CAS	Chemical Abstracts Service
CLP	Classification, labelling and packaging (Regulation (EC) No. 1272/2008)
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
IMDG	International agreement on the Maritime transport of Hazardous Goods
PBT	Persistent, bio-accumulative and toxic
REACH	Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) 1907/2006)
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
SWeRF	Size Weighted Relevant Fine Fraction
TRGS	Technische Regeln für Gefahrstoffe (Technical rules for hazardous substances)
VCI	Verband der chemischen Industrie e.V. (Registered association of the chemical industry)
vPvB	Very persistent, very bioaccumulative
VwVwS	Verwaltungsvorschrift wassergefährdende Stoffe (Administrative Regulation on the Classification of Substances hazardous to Waters into Water Hazard Classes)

### 16.3 Literature references and sources of data

As sources of key data and technical information we refer to the information provided by the raw material suppliers/ manufacturers and/or the ECHA Classification and Labelling Inventory.

### 16.4 Further information

#### Training appropriate for workers

In addition to training programmes for employees on the topics of health, safety and environment, companies must ensure that their employees read and understand this safety data and are able to implement its requirements.

Employees must be informed of the presence of crystalline quartz and trained on the intended use of the product.

#### Methods compliant with article 9 of Regulation (EC) No. 1272/2008 used to evaluate information for the purpose of classification

Bridging principles for the classification of mixtures according to Regulation (EC) No. 1272/2008, article 6, paragraph 5 have been applied. The classification of the water pollution class of this mixture has been carried out according to Point 3, Annex 4, of the VwVwS.

### 16.5 Training appropriate for workers

In addition to training programmes for employees on the topics of health, safety and environment, companies must ensure that their employees read and understand this safety data and are able to implement its requirements.

### 16.5 Social dialogue on respirable crystalline silica

On 25 April 2006, the cross-sector "Agreement on Workers' Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it" was signed. This autonomous agreement, funded by the European Commission, is based on guidelines concerning good practices. The conditions specified in the agreement came into force on 25 October 2006. The agreement was published in the Official Journal of the European Union (2006/C 279/02). The text of the agreement, its annexes and the guidelines concerning good practices can be found at <http://www.nepsi.eu>. These provide useful information and

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guidance for the handling of products containing respirable crystalline silica. References are available at EUROSIL (European Association of Industrial Silica Producers).

Country-specific limits for respirable silica and the competent authorities can be found at:  
[https://www.nepsi.eu/sites/nepsi.eu/files/content/editor/oel\\_table\\_dust-qct\\_2014.pdf](https://www.nepsi.eu/sites/nepsi.eu/files/content/editor/oel_table_dust-qct_2014.pdf)

The respirable dust content of the product was determined using the SWerF method.

### 16.6 Disclaimer

The information contained in this safety data sheet describes the safety requirements of our product and is based on our current level of knowledge. It implies no guarantee of the product properties and does not justify a contractual legal relationship. This safety data sheet serves the user as reference information. Although this safety data sheet has been drawn up with great care, no guarantee for data accuracy, and no liability for the consequences of printing, typeset or transcription errors can be accepted. The existing laws, regulations and rule systems, including those not mentioned in this data sheet, must be complied with by the recipient of our products under their own responsibility.