

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

Trade name: Talc dust
Revision date: 04 January 2017
Print date: 17 January 2018

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

1.1 Product identifier

Substance name/ Trade name: **Test dust compliant with JIS Z8901 Class 9**

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
Address/ PO Box: Westendstrasse 11
Nat.-Ident./ Postcode/ city: DE - 89415 Lauingen
Telephone/ Fax/ E-mail: +49 (0) 9072 / 95 00-0 / Fax no: -50 / info@ksl-staubtechnik.de

1.4 Emergency telephone number

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

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

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

Based on the available data on talc, the product does not represent a hazard under normal use neither for humans nor for the environment. Talc, like any other mineral dust, may cause irritation of the upper respiratory tract and eyes due to exposure to foreign bodies.

SECTION 3: Composition/information on ingredients

3.1 Substances

The product is a mixture.

3.2 Mixtures

Composition/ information on ingredients

Description of the mixture: Talc dust
Hazardous ingredients: None

| Product identifier | CAS No. | EC No. | Concentration range [M.-%] | Reg. no. (REACH) | Classification according to Regulation (EC) No. 1272/2008 |
|--------------------|------------|-----------|----------------------------|------------------|---|
| Asbestos-free talc | 14807-96-6 | 238-877-9 | >= 96% | exempt | Not applicable |
| Chlorite | 1318-59-8 | 215-285-9 | 0-4% | exempt | Not applicable |
| Dolomite | 16389-88-1 | 240-440-2 | | exempt | Not applicable |
| Magnesite | 13717-00-5 | - | | exempt | Not applicable |

This product does not contain asbestos fibres in compliance with the US Occupational Safety and Health Administration (OSHA) and European Directive 82/477/EEC, as determined by conventional analytical methods. This statement is based on tests carried out by certified independent laboratories.

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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.

After inhalation:

Move to fresh air.

After skin contact:

Wash with water and soap.

After eye contact:

Holding eyelids open, rinse immediately with plenty of water for several minutes.

After ingestion:

Rinse mouth with plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

The symptoms of acute accidental exposure are non-specific and similar to the symptoms occurring during intense inhalation of any dust without toxic effects. These symptoms may include: cough, expectoration, sneezing and difficulty breathing due to an irritation of the upper respiratory tract. In addition, the eyes may become irritated due to exposure to foreign bodies.

4.3 Indication of any immediate medical attention and special treatment needed

Treat according to symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

All extinguishing media may be used without restriction.

5.2 Special hazards arising from the substance or mixture

The product is non-flammable, non-combustible and non-explosive. No hazardous thermal decomposition.

5.3 Advice for firefighters

No specific fire protection measures are required. Extinguishing media and firefighting measures must be adapted to the environment.

5.4 Additional advice

No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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. If the product comes into contact with water, it generates slippery surfaces.

6.1.2. For emergency responders

Emergency plans are not necessary. With high dust levels, respiratory protection is however required.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

6.3.1 Notes for containment

Avoid dust generation.

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. Use approved industrial vacuum cleaners or suction systems.

6.3.3 Advice on inappropriate containment and cleaning methods

Blowing-off for cleaning purposes is not permitted.

6.4 Reference to other sections

As to disposal, please refer to Section 13 of the Safety Data Sheet (SDS).

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Recommendations on safe handling

Avoid dust formation and deposits.

Measures to prevent fire and explosion

None

Measures to prevent aerosol and dust generation

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

Measures to protect the environment

Keep the substance away from waters, sewerage or soil.

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.

7.2 Conditions for safe storage, including any incompatibilities

Advice on storage conditions

Store containers dry.

Requirements for storage rooms and vessels

Store in dry and sealed containers, possibly the original ones.

Storage class:

VCI: 13 (non-flammable solids)

7.3 Specific end use(s)

Industry and sector specific guidance

For specific end uses (see Section 1.2), no additional information is available.

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 ³ (respirable) | inhalative | Workplace-related limit value TRGS 900 |
| General dust limit value | - | - | 10 (E) mg/m ³ (inhalable) | inhalative | Workplace-related limit value TRGS 900 |

The international limit values for talc can be found in the GESTIS database at the following link: <http://limitvalue.ifa.dguv.de/>
For further information on the limit values of other countries, please consult a competent occupational hygiene expert or the local regulatory authority of the country involved.

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.

Eye/face protection

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

Skin/hand protection

In sensitive people, it may be mildly irritating to the skin due to mechanical friction. If necessary, wear protective gloves according to Standard EN 374.

Respiratory protection

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

Occupational hygiene

During work do not drink, eat 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 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) | Appearance: - Aggregate state - Colour | Powder - solid white, cream-coloured to light grey |
| (b) | Odour | odourless |
| (c) | Odour threshold: | not applicable |
| (d) | pH-value: | 8 - 10 (conc. (% w/w): 10 (alkaline) - DIN / ISO 787 section 9 |
| (e) | Melting point/ freezing point: | > 1,300°C |
| (f) | Initial boiling and boiling range: | not applicable |
| (g) | Flash point: | not applicable as it is not a liquid |
| (h) | Evaporation rate: | not applicable as it is not a liquid |
| (i) | Flammability (solid, gas): | not combustible |
| (j) | Lower explosive limits: | does not form an explosive mixture with air |
| (k) | Vapour pressure: | not applicable |
| (l) | Vapour density: | not applicable |
| (m) | Relative density: | 2.75 g/cm ³ |
| (n) | Solubility: | negligible |
| (o) | Partition coefficient: | n-octanol/water > 1 (estimate) |
| (p) | Auto-ignition temperature: | not combustible |
| (q) | Decomposition temperature: | > 1,000°C |
| (r) | Viscosity: | not applicable as it is not a liquid |
| (s) | Explosive properties: | None |
| (t) | Oxidising properties: | non-oxidising |

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

Inert and non-reactive.

10.2 Chemical stability

Chemically stable

10.3 Possibility of hazardous reactions

No hazardous reactions.

10.4 Conditions to avoid

Moisture and water during storage may cause lump formation and loss of product quality.

10.5 Incompatible materials

Not relevant

10.6 Hazardous decomposition products

Not relevant

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on the expected form of exposure:

Inhalation is the primary form of exposure. Repeated and prolonged exposure to large amounts of talc dust can lead to a weak form of pneumoconiosis. This is caused by an excessive exposure-related stress on the lungs and is more the result of a non-specific effect of the dust particles than a specific intrinsic fibrogenic activity of the talc.

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

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

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

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

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

SECTION 12: Ecological information

For the product, no ecotoxicological data is available.

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

Negligible

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No known specific harmful effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

It can be disposed of together with household waste in compliance with local regulations. Collect the product dry. Do not dispose of into drains or surface waters.

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 suitable for material recycling

SECTION 14: Transport information

With respect to transport regulations, the product is not hazardous (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

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

Not applicable

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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
Hazardous Substances Ordinance (GefStoffV)
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

Removal of references to 1999/45 / EC and 67/548 / EEC under points 2 and 3
Editorial reversion

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 |
| TRGS | Technische Regeln für Gefahrstoffe (Technical rules for dangerous substances) |
| VCI | Verband der chemischen Industrie e.V. (Registered association of the chemical industry) |
| vPvB | Very persistent, very bio-accumulative |
| 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

With regard to the sources of key data and technical information, we refer, among others, to the information provided by the raw material supplier/ manufacturer or the ECHA Classification and Labelling Inventory.

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

No own assessment of the mixture has been made.

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.

16.6 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.