

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

Trade name: Talcum

Created on: 13 May 2003

Version: 357-6

Replaces: 357-5

Revised on: 15 September 2021

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

1.1 Product identifier

Substance name/ Trade name:

Talc dust according to DIN EN 60529
Talc dust OMFTM 30
Talc dust OMFTM 40
JIS Z 8901 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:

Talcum

Hazardous ingredients:

None

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

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.

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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). Personal protective equipment is specified in section 8 of the safety data sheet.

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.

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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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a)	State of aggregation	powder - solid
(b)	Colour	white, cream to light grey
(c)	Odour	odourless
(d)	Melting point/freezing point	> 1300° C
(e)	Boiling point or initial boiling point and boiling range	not applicable
(f)	Flammability	non-flammable
(g)	Lower and upper explosion limits	not applicable to solids according to Regulation (EU) 2020/878.
(h)	Flash point	not applicable to gases, aerosols and solids according to Regulation (EU) 2020/878.
(i)	Ignition temperature	applies only to gases and liquids according to Regulation (EU) 2020/878.
(j)	Decomposition temperature	> 1000° C
(k)	pH value	8 - 10 (Conc. (% w/w):10 (alkaline) - DIN / ISO 787 Part 9
(l)	Kinematic viscosity	applies only to liquids according to Regulation (EU) 2020/878.
(m)	Solubility	negligible
(n)	Partition coefficient n-octanol/water (log value)	>1 (estimate)
(o)	Vapour pressure	not applicable
(p)	Density and/or specific gravity	- / 2.75 g/cm ³

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(q) Relative vapour density

only applicable to gases and liquids according to Regulation (EU) 2020/878.

(r) Particle properties

The X₅₀ value is between 0 µm and 300 µm.

9.2 Other information

None

9.2.1 Information on physical properties

Not applicable.

9.2.2 Other safety parameters

Not applicable.

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 hazard classes within the meaning of Regulation (EC) No 1272/2008

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. Not a hazardous mixture according to Regulation (EC) No 1272/2008.

a) Acute toxicity

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

b) Skin corrosion/irritation

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

c) Serious eye damage/irritation

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

d) Respiratory or skin sensitisation

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

e) Germ cell mutagenicity

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

f) Carcinogenicity

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

g) Reproductive toxicity

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

h) Specific target organ toxicity – single exposure

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

i) Specific target organ toxicity – repeated exposure

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

j) Aspiration hazard

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

11.2 Information on other hazards

No endocrine disrupting properties or other adverse effects are known.

SECTION 12: Ecological information

For the product, no ecotoxicological data is available.

12.1 Toxicity

No data available, as no data is available from the raw material supplier.

12.2 Persistence and degradability

No data available, as no data is available from the raw material supplier.

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12.3 Bioaccumulative potential

No data available as no data is available from the raw material supplier.

12.4 Mobility in soil

Negligible

12.5 Results of PBT and vPvB assessment

No data available as no data is available from the raw material supplier.

12.6 Endocrine disrupting properties

No data available, as no data is available from the raw material supplier.

12.7 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 or ID 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 Carriage in bulk by sea in accordance with IMO instruments

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

AwSV 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

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15.2 Chemical safety assessment

No chemical safety assessment is required for this substance.

SECTION 16: Other information

16.1 Changes to the previous version

Header adapted; paragraph 1.1: updated; paragraph 3.2: column "REACH" removed; paragraph 6.4: reference inserted; paragraph 9.1: paragraph adapted to the information from Regulation (EU) 2020/878; paragraph 9.2.1 + 9.2.2: new inserted; paragraph 11.1: heading and enumeration adapted to Regulation (EU) 2020/878, sentence inserted; paragraph 11.2: new; Paragraph 12: editorial change; Paragraph 12.6: new; Paragraphs 14.1, 14.7: adaptation of the headings to the above-mentioned Regulation; Paragraphs 15.1, 16.2, 16.4: Water hazard class was renamed from "VwVwS" to "AwSV" and reviewed; Paragraph 15.2: editorial changes; Paragraph 16.6: new.

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
AwSV	Ordinance on Installations for Handling Substances Hazardous to Water

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 AwSV.

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 Information about NANO

We do not use nanotechnology processes and no synthetic nano-materials are used for production. However, we cannot exclude the presence of small amounts of nanoparticles in the material. To obtain the desired particle size distribution in our product, the product is crushed and then sieved. It could be that some nanoparticles are produced in such a comminution process. By the way, the same applies to products such as flour or sugar! It is therefore not possible to exclude NANO material.

16.7 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.