

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.10.2019

Version: 1.00

Revision: 23.10.2019

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

Safety Data Sheet

Voluntary safety data sheet:

This product is not a dangerous substance. Therefore, it does not require a safety data sheet. We are able to provide a data sheet on a voluntary basis in line with the 1907/2006 REACH regulation.

1.1 Product identifier Natural Talc (talcum), surface-treated

Trade name:

STRUKTOSIL 45 AM, STRUKTOSIL 45 MAM
TP2019049, TP2019050

Registration number

Exempt from the requirement to register in accordance with Article V (7) and Art.3, No.5 of the 1907/2006 (REACH) regulation (EC). (Definition of Polymers).

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

No further relevant information available.

Application of the substance / the mixture

As functional fillers for elastomers, plastics, paints and varnishes, adhesives, polishing and protective agents, welding electrodes, as well as in the construction and chemical industries.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

HOFFMANN MINERAL GmbH
Münchener Straße 75
D - 86633 Neuburg/Donau
Tel.: +49 (8431) 53-0
www.hoffmann-mineral.com

Further information obtainable from: info@hoffmann-mineral.com

1.4 Emergency telephone number:

+49 (0) 84 31 53-0

(Not available outside office hours!)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Information concerning particular hazards for human and environment:

Symptoms of acute accidental exposure would be non-specific and may include coughing, expectoration, sneezing, and difficult breathing due to upper respiratory tract irritation.

Repeated and prolonged overexposure to large amounts of talc dust exceeding the occupational exposure limits might induce a mild pneumoconiosis, called talcosis.

The observance of current national occupational exposure limits (see section 8) to prevent lung overloading provides an efficient protection and is therefore recommended.

Occasionally it may cause a slight dehydration of the skin.

2.3 Other hazards

Results of PBT and vPvB assessment

The product is a natural inorganic substance of natural origin and, according to Article VIII of the 1907/2006 (REACH) regulation (EC), does not meet the criteria for PBT or vPvB substances.

PBT: Not applicable.

vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients**3.1 Substances****Description:***STRUKTOSIL products are based on Natural Talc and coated with various bonding agents.***Components****CAS No. Description***14807-96-6 Natural Talc (talcum)***Identification number(s) EINECS:** 238-877-9**EC number:** 310-127-6**Additional information:***Contains no asbestos or silica.***Bonding agents:***Various organofunctional silanes and/or paraffinis: The exact chemical composition and concentration of the bonding agents is part of company know-how and, therefore, confidential.***SECTION 4: First aid measures****4.1 Description of first aid measures****General information:** *In any cases of doubt or if symptoms are present, seek medical advice.***After inhalation:** *Supply fresh air; consult doctor in case of complaints.***After skin contact:***Generally the product does not irritate the skin.**Wash the areas of skin affected with water and a mild detergent.**For dry skin, apply moisturizer.**If symptoms persist consult doctor.***After eye contact:***Possible discomfort is due to foreign substance effect.**Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.***After swallowing:** *No special measures required.***4.2 Most important symptoms and effects, both acute and delayed***No further relevant information available.***4.3 Indication of any immediate medical attention and special treatment needed***Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.***SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:** *Use fire extinguishing methods suitable to surrounding conditions.***5.2 Special hazards arising from the substance or mixture** *The product is not flammable.***5.3 Advice for firefighters****Protective equipment:** *The normal measures for firefighting are to be taken.***SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures***Ensure adequate ventilation**Avoid formation of dust.**If the atmosphere is particularly dusty, breathing apparatus must be worn.***6.2 Environmental precautions:***No special measures required.**Damp down dust with water spray.***6.3 Methods and material for containment and cleaning up:***Avoid dry sweeping and use water spraying or vacuum cleaning (minimum dust class M) for removal.**Keep in closed containers, ready for disposal.***6.4 Reference to other sections***See Section 7 for information on safe handling.*

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See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Prevent formation of dust.

Provide suction extractors if dust is formed.

Use suitable respiratory protective device in case of insufficient ventilation.

Handle packaged products carefully to prevent accidental bursting.

Any unavoidable deposit of dust must be regularly removed.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Keep container tightly sealed.

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions: Store in dry conditions.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

WEL (Great Britain) Long-term value: 1 mg/m³

Exposure limit for dust - Germany

AGW (GERMANY) Long-term value: 10 mg/m³
2 (II) - Inhalable fraction (TRGS900)

AGW (GERMANY) Long-term value: 1.25 mg/m³
2 (II) - Respirable fraction (TRGS900)

8.2 Exposure controls

Suitable technical control devices

Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn.

Personal protective equipment:

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Remove soiled clothing and wash it before wearing again.

Respiratory protection:

Ensure good ventilation/exhaustion at the workplace.

Use suitable respiratory protective device in case of insufficient ventilation.

Wear an appropriate fine-dust filter mask (FFP 1 / FFP 2 / FFP 3).

Protection of hands: Not required in normal cases.

Eye protection: Safety glasses with side shields

Limitation and supervision of exposure into the environment No specific requirements.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:

Form:	Powder
Colour:	White
Odour:	Odourless
Odour threshold:	Not determined.

pH-value: 8-10

Change in condition

Melting point/freezing point: 1,050 °C
Initial boiling point and boiling range: Not applicable.

Flash point: Not applicable.

Flammability (solid, gas): Product is not flammable.

Ignition temperature: Not applicable.

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower: Not applicable
Upper: Not applicable

Vapour pressure: Not applicable.

Density at 20 °C: 2.8 g/cm³ (DIN ISO 787 / 10)

Relative density: Not determined.

Vapour density: Not applicable.

Evaporation rate: Not applicable.

Solubility in / Miscibility with water:

Insoluble.

Partition coefficient: n-octanol/water: Not determined.

Viscosity:

Dynamic: Not applicable.
Kinematic: Not applicable.

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity Inert, not reactive.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid See Section 7 for information on safe handling.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

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Primary irritant effect:

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

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

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity 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.

Repeated and prolonged overexposure to large amounts of talc dust exceeding the occupational exposure limits might induce a mild pneumoconiosis, called talcosis.

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

SECTION 12: Ecological information

12.1 Toxicity There are no ecotoxicological data available on this product.

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

This material is not classified as hazardous waste according to Commission Decision 2008/998/EC and 2000/532/EC.

Recommendation

Can be landfilled in compliance with local regulations. Where possible, recycling is preferred to disposal. The material should be stored in sealed containers to prevent the formation of dust.

Waste disposal key:

For this product no waste code are defined according to the European Waste Catalogue, as the intended use by the user enables an allocation.

The waste code must be defined in agreement with the regional waste disposers.

Uncleaned packaging:
Recommendation:

Empty containers should be recycled, recovered or disposed of locally.

Caution: Dust may form when folding empty paper bags and big-bags. Ensure that appropriate health and safety measures are in place.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, IMDG, IATA

Void

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14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class Void

14.4 Packing group
ADR, IMDG, IATA Void

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Not applicable.

UN "Model Regulation": Void

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulations:
Information about limitation of use:

Employment restrictions concerning pregnant and lactating women must be observed.

Employment restrictions concerning juveniles must be observed.

15.2 Chemical safety assessment:

Exempt from the requirement to register in accordance with Article V (7) and Art.3, No.5 of the 1907/2006 (REACH) regulation (EC). (Definition of Polymers).

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = Lethal Concentration

EC50 = half maximal effective concentration

log POW = Octanol / water partition coefficient

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ATE: acute toxicity estimate

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

IOELV = indicative occupational exposure limit values