Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 19.02.2024 *Version: 3.00 (replaces version 2.01)* *Revision: 19.02.2024*

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

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

Trade name: STRUKTOSIL 45 AM
STRUKTOSIL 45 MAM
Registration number
As a surface-treated substance, it is exempted from the registration obligation in accordance with Regulation 1907/2006/EC (REACh).
Nanoform:
According to the REACH Regulation (EC) 1907/2006, the product is not defined as 'nanoform'.
1.2 Relevant identified uses of the substance or mixture and uses advised against
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!)
Emergency CONTACT (24-Hour-Number):
GBK/Infotrac ID 91785 : (USA domestic) 1 800 535 5053 / international (001) 352 323 3500

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:
According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT
vPvB:
According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB.

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Determination of endocrine-disrupting properties
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances
Description:
STRUKTOSILE are with bonding agents coated products, based on natural talc.
CAS No. Description
14807-96-6 Natural Talc (talcum)
Identification number(s) *EINECS: 238-877-9*
Additional information:
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.
Impurities and stabilising additives: *Contains no asbestos or silica, if analysed by convetional methods.*
Nanoform *According to the REACH Regulation (EC) 1907/2006, the product is not defined as 'nanoform'.*

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:
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
Coughing
Breathing difficulty

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.
Do not enter the hazardous area without a self-contained breathing apparatus.
See Section 8 for information on personal protection equipment.

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.
For non-emergency personnel
The usual precautionary measures are to be adhered to when handling chemicals.
For emergency responders *Wear protective equipment. Keep unprotected persons away.*

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6.2 Environmental precautions: *Avoid release to the environment.*
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.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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.
Ensure that dust-protection measures are in place during silo loading.
Information about storage in one common storage facility:
No special measures required.
Observe local/state/federal regulations.
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 (free of asbestos fibers)	
MAK (Germany)	asbestfaserfrei, alveolengängige Fraktion
WEL (Great Britain)	Long-term value: 1 mg/m³
Dust, inhalable ***General Exposure limit for dust***	
AGW (Germany)	Short-term value: 20 mg/m³ Long-term value: 10 mg/m³ TRGS900
Dust, respirable ***General Exposure limit for dust***	
AGW (Germany)	Long-term value: 1.25 mg/m³ 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.
Individual protection measures, such as 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.

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Wear an appropriate fine-dust filter mask (FFP 1 / FFP 2 / FFP 3).
Hand protection *Not required in normal cases.*
Eye/face protection *Safety glasses with side shields*
Environmental exposure controls *No specific requirements.*

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Solid
Colour:	White
Odour:	Characteristic
Melting point/freezing point:	>1050 °C
Boiling point or initial boiling point and boiling range	Not applicable.
Flammability	Product is not flammable.
Lower and upper explosion limit	
Lower:	Not applicable
Upper:	Not applicable
Flash point:	Not applicable.
Auto-ignition temperature:	Not applicable.
Decomposition temperature:	Not determined.
pH	8-10
Viscosity:	
Kinematic viscosity	Not applicable.
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density at 20 °C:	2.8 g/cm³ (DIN ISO 787 / 10)
Vapour density	Not applicable.
Particle characteristics	D50= 3-4µm / D97=10-12µm **Nanoform:** According to the REACH Regulation (EC) 1907/2006, the product is not defined as 'nanoform'.

9.2 Other information

Appearance:	
Form:	Powder
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Evaporation rate	Not applicable.

Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void

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Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

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 hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.

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.

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
Repeated and prolonged overexposure to large amounts of talc dust exceeding the occupational exposure limits might induce a mild pneumoconiosis, called talcosis.
Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.
11.2 Information on other hazards
Endocrine disrupting properties
According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with health effects.

Substance is not listed.

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:
According to information provided in the supply chain, the mix conatins less than 0.1% of any substances classified as PBT
vPvB:
According to information provided in the supply chain, the mix conatins less than 0.1% of any substances classified as vPvB
12.6 Endocrine disrupting properties
According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with effects on the environment.

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12.7 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 or ID number ***ADR/RID/ADN, IMDG, IATA***	*Void*
14.2 UN proper shipping name ***ADR/RID/ADN, IMDG, IATA***	*Void*
14.3 Transport hazard class(es) ***ADR/RID/ADN, ADN, IMDG, IATA*** ***Class***	*Void*
14.4 Packing group ***ADR/RID/ADN, IMDG, IATA***	*Void*
14.5 Environmental hazards:	*Not applicable.*
14.6 Special precautions for user	*Not applicable.*
14.7 Maritime transport in bulk according to IMO instruments	*Not applicable.*
UN "Model Regulation":	*Void*

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
European Directives:
Directive 2010/75/EU (VOC) *not subject to*
Catégorie SEVESO (DIRECTIVE 2012/18/EU) *not subject to*
REGULATION (EU) 2019/1148
Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
Substance is not listed.
Annex II - REPORTABLE EXPLOSIVES PRECURSORS *Substance is not listed.*

National regulations:

Information about limitation of use:
Employment restrictions concerning pregnant and lactating women must be observed.
Employment restrictions concerning juveniles must be observed.

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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.

Date of previous version: *20.12.2021*
Version number of previous version: *2.01*
Abbreviations and acronyms:
NOEL = No Observed Effect Level
NOEC = No Observed Effect Concentration
LC = letal 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 relatif au transport international 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
CAS: Chemical Abstracts Service (division of the American Chemical Society)
IOELV = indicative occupational exposure limit values
**** Data compared to the previous version altered.***