

## Safety Data Sheet According to the regulation (EG) No.: 830/2015

Revision 10. Date 22 February 2016

### 1. Material-/preparations- and trade name

**Details to the product:**

**Trade name:** Talcum

**Product identifier**

· **CAS-Nr. Name**

14807-96-6 Talcum (dioxido-oxo-silane; magnesium(+2) cation)

**Use of the substance/preparation:**

Extender/filler for paints, plastics and other applications

**Supplier:**

Lithos Industrial Minerals GmbH

Wirtschaftspark Strasse 2/8

A-4482 Ennsdorf

Tel.: +43(0) 7223 861 61-0

[office@lithos-minerals.at](mailto:office@lithos-minerals.at)

· **Respondent Division:** Management

· **Emergency telephone number:** Giftinformationszentrale in Österreich +43 1 406 43 43

### 2. Possible dangers

Talc presents the same hazards as other non toxic dusts.

- **INHALATION IS THE PRIMARY ROUTE OF ENTRY.**  
Repeated and prolonged overexposure to large amounts of talc dust exceeding the occupational exposure limits (see attached annex) might induce a mild pneumoconiosis, called talcosis.  
Smoking and other chronic respiratory diseases may accelerate the onset of pneumoconiosis overloading. The observance of current national occupational exposure limits to prevent lung overloading provides an efficient protection and is therefore recommended.  
Symptoms of acute accidental exposure would be non-specific and similar to those of a massive inhalation of any dust. These symptoms may include coughing, expectoration, sneezing, difficult breathing due to upper respiratory tract irritation.
- Generally, no adverse effect is observed if applied to unbroken skin. Some subjects may complain of slight skin dryness.
- Accidental direct **contact with the eyes** may cause, as most dusts, a temporary discomfort due to mechanical irritation.

### 3. Composition/information on ingredients

· **Chemikal characterization:**

· **CAS-Nr. Name**

14807-96-6 Talcum

· **Identification number**

· **EINECS-Number:** 238-877-9

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#### 4. First – aid measures

- **INHALATION**

In case of acute overexposure, if an irritation of the upper respiratory tract develops, move subject away from source of exposure and into fresh air. Treatment should be limited to the control of symptoms: coughing, expectoration, sneezing, difficult breathing.

In case of massive accidental inhalation, seek medical assistance.

- **SKIN CONTACT**

If the subject complains of dryness of the skin, apply ordinary skin moisturisers.

Broken skin exposed to talc dust should be cleansed with mild soap and water.

Irritation is uncommon, but if it develops and persists, seek medical advice.

- **EYE CONTACT**

Direct contact can cause irritation. Wash the affected eye(s) copiously with clean water. If irritation or redness develops, seek medical assistance.

- **INGESTION**

No adverse effects having been observed, no specific antidote is necessary.

***Most important symptoms and effects, both acute and delayed:***

In case of massive accidental inhalation move into fresh air and seek medical assistance.

#### 5. Measures for fire fighting

**Product NOT FLAMMABLE - NOT EXPLOSIVE**

Extinguishing media: none required

Fire-fighting procedures: none required

Product/material it self's don't burn, fire fighting measures focus on ambient conditions.

#### 6. Accidental release measures

**PERSONAL PRECAUTIONS**

If the dust level exceeds the recommended occupational exposure limits (see attached annex), approved dust masks should be worn.

**ENVIRONMENTAL PRECAUTIONS**

No special precautions required.

**METHODS FOR CLEANING UP**

In case of release on working area floors, clean up with a shovel and/or vacuum cleaner and vacuum the residues.

If the product is clean and dry, it may be packed in a convenient container and disposed of.

#### 7. Handling and storage

See also 6. and 9.

**HANDLING**

Avoid generating dust in excess of the recommended occupational limits (see annex attached).

In case of dust dispersion in the air in excess of the authorised levels, approved dust masks should be worn.

Keep all floors, work areas, stairs and handrails clean as surfaces covered with talc dust are liable to be slippery.

**STORAGE**

Avoid generation of dust.

Keep the product dry.

All normal packaging materials are recommended

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## 8. Exposure controls and personal protection

See also 6. and 7.

### ENGINEERING MEASURES

Ventilation / Exhaust: if necessary, install additional ventilation or exhaust systems in the work areas to maintain dust levels below the recommended occupational limits (see annex attached).

### CONTROL PARAMETERS

Dust levels should be controlled according to national and local regulations. Recommended occupational exposure limits should be strictly applied, be they V.M.E., T.L.V., M.A.C. or M.A.K. values.

### PERSONAL PROTECTIVE EQUIPMENT

- **respiratory protection:** approved dust masks should be worn to prevent overexposure in case the dust level exceeds the authorised limits.
- **hand protection:** protective gloves are not necessary. They may be worn by workers susceptible to skin irritation or dryness.
- **eye protection:** if necessary, safety goggles may be worn to prevent eye contact with large quantities of airborne dust.

## 9. Physical and chemical properties

### General details:

<b>Form:</b>	Powder
<b>Physical state:</b>	Solid
<b>Colour:</b>	white
<b>Odor:</b>	odourless
<b>pH:</b>	8-9

### Change of state

<b>Melting point/melting area:</b>	Not defined
<b>Boiling point/boiling area:</b>	Not defined
· <b>Flash point:</b>	Inapplicable
· <b>Evaporation rate:</b>	not defined
<b>Inflammability (hard, gasiform):</b>	The substance is not flammable.
<b>Explosion risk:</b>	The product is not explosive.
<b>Density:</b>	2,8g/cm <sup>3</sup>
<b>Solubility in / miscibility with water:</b>	insoluble
<b>Auto-ignition temperature:</b>	not defined
<b>Explosive properties:</b>	none
<b>Oxidising properties:</b>	none

## 10. Stability and reactivity

### · Pyrolysis / to avoiding terms:

None decomposition by specified normal storage and handling.

· **Dangerous reactions:** None dangerous reactions known.

### · Dangerous products of decomposition:

None dangerous products of decomposition known by correct storage/handling.

## 11. Toxicological information

· **Acute Toxicity:** no effect known

· **On the skin:** Danger from the mechanical irritation through dust particle.

· **At eye:** Danger from the mechanical irritation through dust particle.

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- **Sensitization:** None sensitizing effect known.
- **Additional toxicological details:**  
Regarding EC lists (latest version), there is no labelling requirement for talc.  
If talc is used appropriate there are no unhealthy effects known.

## 12. Ecological information

- **Details for elimination (persistency and decomposability):**
- **Other details:** Practices for designation biology decomposability are for inorganic substance inapplicable.
- **Mobility and bioaccumulation potential:** No data disposable.
- **Ecotoxic effects:**
- **Aquatic Toxicity:** No data disposable.
- **General details:** Generally not hazardous to waters.

## 13. Disposal Considerations

- **Recommendation:** Disposal according to local, official rules.
- **European Waste Catalogue:** The classification of waste code numbers according to EWC is branches- and process specific to arrange.
- **Recommendation:** Disposal according to official rules.

## 14. Transport information

**UN Number:** no number needed, because Talcum is not dangerous.

- **Ground transport ADR/RID and GGVSE (cross border/inland):**
- **ADR/RID-GGVSE category:** -
- **Sea going vessel transport IMDG/GGVSea:**
- **IMDG/GGVSea- category:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA- category:** -
- **Transport/further information's:** No hazmat after above ordinances

## 15. Regulatory Information

Talc is not classified as a dangerous substance, therefore no special labelling is required.

- **Labelling according to EEC-guidelines:**  
Regarding EC lists (latest version) or other literary sources, there is no labelling requirement.  
Please follow the usual precautions for handling with chemicals.  
Although there is no labelling required follow the safety instructions.
- **Marking according to Directive EC 1907/2006 (REACH):**  
Offered talc product series LP and LM from Lithos are natural minerals without any chemical modification and are therefore within the regulation (EC) fig. 987/2008 from the community of 8th October 2008, annex V.  
And so it is applicable that mentioned products are excepted from the registering duty
- **Safety-phrases:** 22 Don't inhale the powder.
- **National instructions:**
- **Statutory order on hazardous incidents:** Annex: Unstated
- **Classification as per German Health and Safety at Work Regulations (BetrSichV):** -
- **Water hazard class:** Generally not hazardous to water.

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## 16. Other Information

This material safety data sheet completes the technical data sheets but does not replace them. The information it contains is based on our present knowledge of the product on the date indicated. It is given in good faith. Users should be warned about the risks associated with the use of a product for a different purpose than that for which it was developed. These regulatory prescriptions are provided with a view to helping the user fulfil his/her obligations when using this product. This list should not be considered as exhaustive and does not discharge the user from ensuring that other obligations do not exist other than those mentioned above concerning product possession and handling for which he/she is solely responsible.

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