

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

1.1 Product identifier

Trade name: Talc, LITHOS Talc -all of Talc products / series - LP, LPP, LPS, LKB

CAS Number:

14807-96-6

EC number:

238-877-9

Registration number

These products are natural minerals without chemical modification and therefore fall under REACH Annex V and are thus exempt from registration.

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

Application of the substance / the mixture Filler/ Extender

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

LITHOS Industrial Minerals GmbH

Wirtschaftspark Str. 2/8

A-4482 Ennsdorf

T: +43 (0) 7223 861 61 - 0

F: +43 (0) 7223 861 61 -15

Email: office@lithos-minerals.at

Web: www.lithos-minerals.at

Further information obtainable from:

Management

Email: office@lithos-minerals.at

1.4 Emergency telephone number:

+43 (0) 7223 861 61 - 0

Available during office hours:

Mon - Thu: 07:30 - 16:00

Fri: 07:30 - 13:00

Call the national emergency number!

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

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2.3 Other hazards

Dust can cause irritation of eyes, skin, nose and throat through mechanical friction.

Long-term inhalation of inorganic dusts may lead to the development of a specific dust lung disease (pneumoconiosis), a talcosis. Nicotine abuse and certain chronic respiratory diseases can accelerate the development of talcosis. Observe occupational exposure limits!

Prolonged skin contact can lead to a slight dehydration of the skin.

Results of PBT and vPvB assessment

PBT:

Inorganic product. The criteria of the PBT assessment according to REACH are not applicable for inorganic substances.

vPvB:

Inorganic product. The criteria of the vPvB assessment according to REACH are not applicable for inorganic substances.

SECTION 3: Composition/information on ingredients

3.1 Substances

CAS No. Description

CAS: 14807-96-6 Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$)

Identification number(s)

EC number: 238-877-9

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of discomfort or doubt, seek medical advice.

If unconscious, use a stable lateral position and do not administer anything through mouth.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Rinse skin with water.

Apply moisturizing cream to dry skin.

Seek medical treatment in case of complaints.

After eye contact:

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Do not rub the eye dry, as mechanical friction can also cause corneal damage.

Seek medical treatment in case of complaints.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Drink water.

If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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4.3 Indication of any immediate medical attention and special treatment needed

Depending on the condition of the patients, the doctor must assess the symptoms and the overall general condition.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture Not combustible.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Do not breathe dust.

Attention: Product forms slippery deposits with water.

Avoid formation of dust.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Avoid formation of dust.

Clean again.

Dispose of the material collected according to regulations.

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

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Avoid contact with skin and eyes.

Prevent formation of dust.

Do not breathe dust.

Use personal protective equipment as required.

Observe protective measures and safety instructions.

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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:

Store in dry conditions.

Ensure adequate ventilation.

Store in accordance with local/regional/national/international regulations.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

Recommended storage temperature: room temperature

Storage class: 13

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 ($Mg_3H_2(SiO_3)_4$)

MAK (Austria)	Long-term value: 2 A mg/m ³
MAK (Germany)	asbestfaserfrei, alveolengängige Fraktion
LEP (Spain)	Long-term value: 2* mg/m ³ *sin fibras de amianto, fracción respirable d, e
WEL (Great Britain)	Long-term value: 1 mg/m ³
TWA (Italy)	Long-term value: 2** mg/m ³ , 0.1 fibre/cc* ppm *contenente: A1,(m) **senza fibre: A4, (e),(j)
WGW (Netherland)	Long-term value: 0.25 mg/m ³ respirabel

Regulatory information

MAK (Austria): GKV 2020, 156. Verordnung, 09.04.2021, Teil II

MAK (Germany): MAK- und BAT-Liste

LEP (Spain): Límites de exposición profesional para agentes químicos

WEL (Great Britain): EH40/2020

TWA (Italy): Valori Limite di Soglia

WGW (Netherland): Grenswaarden gezondheidsschadelijke stoffen

DNELs No data available.

PNECs No data available.

Regulatory information

Additional Occupational Exposure Limit Values for possible hazards during processing:

The national dust limits must be observed in the event of dust generation.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls

No further data; see item 7.

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Technical measures and the use of suitable working methods take priority over the use of personal protective equipment.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Avoid breathing dust.

Take off contaminated clothing and wash it before reuse.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Respiratory protection: Wear dust mask during formation of dust.

Hand protection

Protective gloves recommended.

EN 374

Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves

Adapt hand protection to the other substances used.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection

Wear safety glasses if dust develops.

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Body protection: Protective work clothing

Environmental exposure controls Do not allow to enter sewers/ surface or ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Solid

Colour:

White

Odour:

Odourless

Odour threshold:

No information available.

Melting point/freezing point:

> 1,050 °C

Boiling point or initial boiling point and boiling range

No information available.

Flammability

Product is not flammable.

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Lower and upper explosion limit

Lower: No information available.

Upper: No information available.

Flash point: Not applicable.

Decomposition temperature: No information available.

pH Not applicable.

Viscosity:

Kinematic viscosity Not applicable.

Dynamic: 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

Relative density Not determined.

Vapour density Not applicable.

Particle characteristics Particle size: 10 - 90 µm
Depending on product type and specification.

9.2 Other information

Appearance:

Form: Powder

**Important information on protection of health
and environment, and on safety.**

Auto-ignition temperature: No information available.

Explosive properties: Product does not present an explosion hazard.

Change in condition

Softening point/range

Oxidising properties None.

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

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Oxidising liquids	void
Oxidising solids	void
Organic peroxides	void
Corrosive to metals	void
Desensitised explosives	void

SECTION 10: Stability and reactivity

10.1 Reactivity No hazardous reactions known if stored and used as prescribed.

10.2 Chemical stability No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

No decomposition if used and stored according to specifications.

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.

LD/LC50 values relevant for classification:

CAS: 14807-96-6 Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$)

Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)

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

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

Additional toxicological information:

Talc, asbestos-free has been listed by the International Agency for Research on Cancer (IARC) as Group 3 (Not classifiable as to carcinogenicity to humans).

Other information:

Eye contact and inhalation may cause irritation due to mechanical friction.

Frequent and prolonged skin contact may cause dry skin.

11.2 Information on other hazards

Endocrine disrupting properties

Substance is not listed.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

For inorganic substances/products, the methods for determining biodegradability are not applicable.

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:

Inorganic product. The criteria of the PBT assessment according to REACH are not applicable for inorganic substances.

vPvB:

Inorganic product. The criteria of the vPvB assessment according to REACH are not applicable for inorganic substances.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes: Not hazardous for water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Only dispose of product residues via authorised companies according to local legislation.

Do not allow product to reach sewage system or any water course.

European waste catalogue

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

16 03 04	inorganic wastes other than those mentioned in 16 03 03
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Uncleaned packaging:

Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN, IMDG, IATA

not regulated

14.2 UN proper shipping name

ADR/RID/ADN, IMDG, IATA

not regulated

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14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA

Class not regulated

14.4 Packing group

ADR/RID/ADN, IMDG, IATA not regulated

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": not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Substance is not listed.

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.

Regulation (EC) No 273/2004 on drug precursors

Substance is not listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

Substance is not listed.

15.2 Chemical safety assessment: 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.

Department issuing SDS:

UmEnA GmbH

<http://umena.at>

Email: office@umena.at

Version number of previous version: 13.1

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Abbreviations and acronyms:

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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative