

SAFETY DATA SHEETz

podle Nařízení ES 1907/2006 – REACH

as amended 2015/830

Product name: **Talc CM, SM**

Date of issue: 06/2009

Datum revize: 03/2018

Strana: 1

Datum tisku: 16.9.2019

Revision date: March 2018

Section 1. Identification of the Substance/preparation and of the Company / undertaking

1.1 Product identifier:

Substance name:	Talc
REACH Registr. n°:	Exempted in accordance with Annex V.7
Synonyms:	talcum, steatite, soapstone.
Chemical name and formula:	Hydrous magnesium silicate. $Mg_3Si_4O_{10}(OH)_2$
Trade names:	Series CHB-CHD-CHS-CHX-CHBX-CH-FLUIOIL
CAS:	14807-96-6
EINECS:	238-877-9

1.2 1.1 Relevant identified uses of the substance or mixture and uses advised against

Identified uses:	Functional mineral for use in industrial applications.
Use advised against:	None

1.3 Details of the supplier of the safety data sheet

Company name	KOLTEX COLOR s.r.o.
Address	Přemyslova 686, 295 01 Mnichovo Hradiště
Phone N°	326771233 – 5
Fax N°	326771224
E-mail of responsible person for SDS:	info@koltex.cz

1.4 Emergency telephone numbers

Health and Safety Executive (HSE) Chemicals Regulation Directorate:	+44 151 951 3317
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Emergency phone number at the Company:	+420 326 771233
Available outside office hours:	No
Languages of the phone service:	English

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Regulation EC 1272/2008: no classification

2.2 Label elements

Pictogram: none

Signal word: none

Hazard statement: none

Precautionary statement: none

2.3 Other hazards: This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH. No hazards identified.

Section 3. Composition / Information on ingredients

Talc is a substance of Unknown or Variable composition, Complex reaction products or Biological materials (UVCB, type 4) according to REACH & CLP Regulations.

Name	CAS	EC Number	Concentration range (wt%)	Classification according to Reg. (EC) 1272/2008
Talc	14807-96-6	238-877-9	100%	Not classified

Impurities: Not applicable. The purity of the product is 100 % w/w. The product contains below 1% (w/w) fine fraction of quartz (CAS: 14808-60-7).

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Section 4. First-aid Measures

4.1 Description of first aid measures

Following eye contact:

Rinse with copious quantities of water and seek medical attention if irritation persists.

Following skin contact:

No special first aid measures necessary.

Following inhalation:

No special first aid measures. Remove to fresh air and get medical attention in case of serious respiratory problems.

Following ingestion:

No first aid measures required.

4.2 Most important symptoms and effects both acute and delayed

Symptoms of acute accidental exposure would be non-specific and similar to those of a massive inhalation of any dust without toxic effects. These symptoms may include coughing, expectoration, sneezing, and difficulty in breathing due to upper respiratory tract irritation.

4.3 Indication of immediate medical attention and special treatment needed:

No specific actions are required

Section 5. Fire-fighting Measures

5.1 Extinguishing media:

5.1.1. Suitable extinguishing media:

All extinguishing media can be used.

5.1.2. Unsuitable extinguishing media:

No restriction on the extinguishing media to be used.

5.2 Special hazards arising from the substance or mixture:

The products are not flammable, combustible or explosive. No hazardous thermal decomposition.

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5.3 Advice for fire-fighters:

No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid airborne dust generation. If the generation of dust is likely, respiratory personal protective equipment should be worn in compliance with national legislation, see EN 143:2000.

6.2 Environmental precautions:

No special requirements. Contain spillage and clean up as indicated below.

6.3 Methods and material for containment and cleaning up:

Dry products should be cleaned with a shovel or vacuum cleaner (with high-efficiency particulate air filter) while wearing personal protective equipment in compliance with national legislation. Washing the floor with

water is not recommended since it may cause the floor to become slippery. However, if talc is already wet, and only in this case, the floor should be thoroughly flushed with water to remove all slipperiness.

6.4 Reference to others sections:

See sections 8 and 13

Section 7. Handling and Storage

7.1 Precautions for safe handling:

7.1.1. Protective measures:	Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting.
7.1.2. Advice on general occupational hygiene:	Do not to eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

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7.2 Conditions for safe storage, including any incompatibilities:

Technical measures/ Precautions

Keep the products dry and in closed containers.

7.3 Specific end use(s):

If you require advice on specific uses, please contact your supplier

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters:

Follow workplace regulatory exposure limits for all types of airborne dust (e. g. total dust, respirable dust and respirable crystalline silica).

The OEL (Occupational Exposure Limit) for talc measured as an 8 hours TWA (Time Weighted Average) for a number of European countries is included in Annex 1.

For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

8.2.2 Individual protection measures, such as personal protective equipment:

8.2.2.1 Eye protection:

Wear safety glasses with side-shields in circumstances where there is a risk of dust generation which could lead to mechanical irritation of the eye.

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8.2.2.2. Skin protection:

No specific requirement. For hands, see below

Hand protection:

Protective gloves are not necessary but recommended for those prone to skin irritation or dryness.

8.2.2.3. Respiratory protection:

In case of prolonged overexposure to high airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of national legislation. The use of half or full face masks with filters against particles of category 2 or 3 (FP2 – FP3) is recommended. See EN 143:2000 – Respiratory protective devices. Particle filters.

8.2.3 Environmental exposure controls

Avoid wind dispersal

Section 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:

Solid. White, off white to light grey powder.
Solid. White, off white to light grey blocks.
Solid. White, off white to light grey pellets.

Odour:

Odourless

Odour threshold:

Not applicable

pH

8.5-9.0 (10% wt in water dispersion)

Melting point:

>1300°C

Boiling point:

not applicable (solid with a melting point > 1300°C)

Flash point:

not applicable (inorganic solid with a melting point > 1300°C)

Evaporation rate:

not applicable (solid with a melting point > 1300°C)

Flammability (solid, gas):

Not flammable.

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	Explosive limits:	Not explosive. (void of any chemical structures commonly associated with explosive properties). Limits do not apply.	
	Vapour pressure:	not applicable (solid with a melting point > 1300°C)	
	Vapour density:	not applicable	
	Relative density:	2.7 – 2.8 g/cm ³	
	Solubility (ies):		
		Solubility in water:	Negligible
		Solubility in hydrofluoric acid:	Yes
	Partition coefficient:	not applicable (inorganic substance)	
	Auto-ignition temperature:	not auto flammable	
	Decomposition temperature:	>1000°C	
	Viscosity:	not applicable (solid with a melting point > 1300°C)	
	Explosive properties:	no explosive properties predicted from the structure	
	Oxidising properties:	no oxidising properties predicted from the structure	
9.2	Other information:		
	No other information		
Section 10. Stability and Reactivity			
10.1	Reactivity:	Inert, not reactive	
10.2	Chemical stability:	Chemically stable.	
10.3	Possibility of hazardous reactions:	No hazardous reaction.	
10.4	Conditions to avoid:	none	

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10.5	Incompatible materials:	none known
10.6	Hazardous decomposition products:	none

Section 11. Toxicological Information

11.1 Information on toxicological effects

Toxicity endpoints	Outcome of the effects assessment
Acute toxicity	Talc is not acutely toxic. Oral LD ₅₀ > 5000 mg/kg bw (Weir, 1974) Dermal no data available Inhalation no data available
Skin corrosion/irritation	Talc is not irritating to skin (<i>in vivo</i> , OECD 404, rabbit). Classification for Irritation/corrosion is not warranted
Serious eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Talc is not genotoxic (in vitro study results OECD 471) From the strains tested talc appears to have no mutagenic effects Classification for mutagenicity is not warranted.
Carcinogenicity	Inhaled talc not containing asbestos or asbestiform fibres is not classifiable as to its carcinogenicity (Group 3), IARC Monograph Volume 93, 2010. In 2006, IARC concluded that inhaled talc not containing asbestos or asbestiform fibres is not classifiable as a human carcinogen (Group 3). IARC ruled that there is limited evidence that the use of talc-based body powder for perineal dusting is a possible risk factor for ovarian cancer (Group 2B). This is not a route of exposure relevant to workers and applies only to one specific use of talc. Classification for carcinogenicity is not warranted.
Reproductive toxicity	No data available Oral exposure to talc has no effect on the development of the foetus, or maternal, or foetal survival (OECD 414, rabbit)
STOT Single exposure	No data available

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STOT Repeated exposure	<p>No organ toxicity observed in repeated dose toxicity tests</p> <p>Oral: no adverse effect observed in animal study (Wagner JC et al., 1977)</p> <p>Inhalation: no classification for Specific Target Organ toxicity by inhalation upon repeat dose exposure is warranted. Any health effects are likely to be non-specific particle effects rather than a specific intrinsic fibrogenic activity of the mineral.</p> <p>Dermal: toxicity via the dermal route is not considered as relevant.</p> <p>Therefore, classification of talc for toxicity upon prolonged exposure by oral route, by dermal route or inhalation is not warranted.</p>
Aspiration hazard	No aspiration hazard envisaged

Section 12. Ecological Information

12.1	Toxicity:	No data available. No specific adverse effects known.
12.2	Persistence and degradability:	No data available. Products are inorganic substances and therefore are not considered biodegradable.
12.3	Bioaccumulative potential:	Not relevant for inorganic substances
12.4	Mobility in soil:	Negligible
12.5	Results of PBT and vPvB assessment:	Not relevant
12.6	Other adverse effects:	No other adverse effects are identified.

Section 13. Disposal Considerations

13.1	Waste treatment methods	
		Disposal of these products should be in accordance with local and national legislation
		Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.
		Dust formation from residues in packaging should be avoided and suitable worker protection assured.

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Store used packaging in enclosed receptacles.

The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorized waste management company.

Recycling and disposal of packaging should be carried out in compliance with local regulations.

Section 14. Transport Information

14.1 UN number: Not relevant

14.2 UN proper shipping name: Not relevant

14.3 Transport hazard class(es):

ADR: not classified

IMDG: not classified

ICAO/IATA: not classified

RID: not classified

14.4 Packing group: Not applicable

14.5 Environmental hazards: Not relevant

14.6 Special precautions for user: No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not relevant

Section 15. Regulatory Information

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

National legislation/requirements:

Occupational Exposure Limits (OEL) for talc powder, or where not considered, for a not specified inert powder:

Austria:	5 mg/m ³	Belgium:	2 mg/m ³	Bulgaria	3 mg/m ³	Czech Republic:	2 mg/m ³
Denmark:	5 mg/m ³	Finland:	5 mg/m ³	France:	5 mg/m ³	Germany:	2 mg/m ³
Greece:	2 mg/m ³	Hungary:	2 mg/m ³	Ireland:	0.8 mg/m ³	Italy:	2 mg/m ³
Lithuania:	1 mg/m ³	Luxembourg:	2 mg/m ³	Netherlands:	0.25 mg/m ³	Norway:	2 mg/m ³
Poland:	1 mg/m ³	Portugal:	2 mg/m ³	Romania:	2 mg/m ³	Slovakia:	2 mg/m ³
Slovenia:	2 mg/m ³	Spain:	2 mg/m ³	Sweden:	1 mg/m ³	Switzerland:	2 mg/m ³
UK:	1 mg/m ³						

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Industrial Safety and Health Law.	These products do not contain harmful or controlled hazardous substances under ISHL.
	Contains <1% silica.
Toxic Chemical Control Act.	These products do not contain chemical substances regulated as toxic, observational, restricted or banned under TCCA.
Dangerous Substance Management Law.	These products do not contain chemical substances regulated under DSML.
Waste Management Law.	Ensure to dispose in accordance with the waste treatment standards prescribed in Waste Management Law.

Other regulations based on domestic or foreign laws:

The following inventories have been investigated as to the publicly available portion of the lists:

	EU	Australia	Canada	Korea	Japan	China	Philippines	USA	Switzerland	New Zealand
CAS No.	EINECS	AICS	CEPA (DSL/NDL)	KECI Korean Gazette No.	ENCS ISHL/MITI	IECSC	PICCS	TSCA	Swiss ID No.	NZIoC
Talc	14807-96-6	238-877-9	yes	yes (DSL)	KE-32773	yes*	yes	yes	G-6939	yes

Yes*: There exists a broad category for naturally occurring chemicals, so these minerals are covered by definition, but not specifically listed.

15.2 Chemical safety assessment

Exempted from REACH registration in accordance with Annex V.7. of Regulation (EC) 1907/2006

Section 16. Other Information

Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.

Date of previous issue: July 2016

16.1 Revision details:

None

16.2. Abbreviations

LD50: Medial lethal dose

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PBT: Persistent bioaccumulative toxic

vPvB: Very persistent very bioaccumulative

OEL: Occupational exposure level

SDS: Safety data sheet

STOT: Specific target organ toxicity

16.3. Key literature references

1. Baan, R, Straif K, Secretan B, Ghissassi FE and Cogliano V. (2006), On behalf of the WHO International Agency for Research on cancer Monograph Working Group. Carcinogenicity of carbon black, titanium dioxide and talc. The Lancet Oncology. 7:295-296.

2. Wild, P.; "Lung cancer risk and talc not containing asbestiform fibers: a review of the epidemiological evidence". Occup. Environ. Med. 2006; 63, 4-9.

3. Cohrssen, B. and Powell C.H. (2001). Talc. In Patty's Toxicology, 5th ed., Bingham, E., Cohrssen, B., and Powell, C.H., eds., John Wiley & Sons, Inc. NY. pp. 519-538.

4. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans. Vol. 42. Silica and some silicates pp.185-224, International Agency for Research on Cancer, Lyon, France, 1987, 1 vol., 289 p.

5. WILD, P. et coll; „Effects of talc dust on respiratory health: results of a longitudinal survey of 378 French and Austrian talc workers“, Occup. Environ. Med. 2008; 65, 261-267.

6. USEPA 1992. Health Assessment Document for Talc, Environmental Criteria and Assessment Office, Office of Health and Environmental Assessment, U.S. Environmental Protection Agency, Research Triangle Park, NC. EPA 600/8-91/217, March 1992.

7. IARC Monographs on the Evaluation of Carcinogenic Risks to Humans Volume 93 (2010) Carbon Black, Titanium Dioxide, and Talc

16.4. Relevant H-statements

None.

Disclaimer

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This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation (EC 1907/2006; article 31 and Annex II), as amended. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous versions.

End of the Safety Data Sheet
