

	<b>MATERIAL SAFETY DATA SHEET</b> pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH) amended by Regulation of Commission (EU) no. 2020/878	Page 1/9
	Product name:	Issued on: 6.2.2023
	<b>TALC</b>	Revision nr: 0
		Revised on:

## 1. PRODUCT NAME AND COMPANY IDENTIFICATION

### 1.1 Identification of the substance or preparation

Commercial name: **TALC**

<b>CAS number</b>	14807-96-6
<b>EC (EINECS) number</b>	238-877-9
<b>Other names of the substance</b>	Mastek, Talcum, steatite, soapstone, Hydrous magnesium silicate - $Mg_3Si_4O_{10}(OH)_2$

### 1.2 Use of the substance or preparation

A product that prevents the rubber parts of the tyre from sticking.

### 1.3 Identification of manufacturer, importer, first distributor or distributor

Distributor: Ferdus, s.r.o.  
 Address: J. Fučíka 699  
 768 11 Chropyně  
 Czech Republic  
 Phone/Fax: +420 577 103 566  
 E-mail of the competent person responsible for the Material Safety Data Sheet: [info@ferdus.cz](mailto:info@ferdus.cz); [www.ferdus.cz](http://www.ferdus.cz)

### 1.4 Emergency phone number

Toxicology Information Centre in Prague  
 Na Bojišti 1, 120 00 Praha 2  
 Czech Republic  
 Phone: +420 224 919 293

## 2. HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

Pursuant to Regulation (EC) No. 1272/2008 of the European Parliament and of the Council (CLP):

The product is not classified as dangerous.

### 2.2 Label elements

Pursuant to Regulation (EC) No. 1272/2008 of the European Parliament and of the Council (CLP):

Signal word:	Not required.
Symbol:	Not required.
Additional information on the label:	Not required.
Contains (information which must be listed on the label):	Not required.
H-phrases: (The hazard statements):	Not required.
P-phrases (Precautionary statements):	Not required.

### 2.3 Other hazards

The mixture is not classified as PBT or vPvB.

The product is not hazardous to health if the usual regulations for the handling of chemical substances are observed.

	<b>MATERIAL SAFETY DATA SHEET</b> pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH) amended by Regulation of Commission (EU) no. 2020/878	Page 2/9
	Product name:	Issued on: 6.2.2023
	<b>TALC</b>	Revision nr: 0
		Revised on:

### 3. COMPOSITION OR INGREDIENTS INFORMATION

#### 3.1 Substances

Name:	Talc
Content (%) wt.:	100
CAS number:	14807-96-6
ES number:	238-877-9
Classification acc. to Reg. (EC) No. 1272/2008:	not classified as dangerous

### 4. FIRST AID MEASURES / FIRST AID INSTRUCTIONS

#### 4.1 Description of first aid

##### 4.1.1 General instructions

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

##### 4.1.2 When inhaled

No special first aid measures are required.  
 Terminate the exposure immediately; move the affected person to fresh air. In case of irritation, seek medical attention.

##### 4.1.3 After skin contact

No special first aid measures are required.  
 Remove contaminated clothes.

##### 4.1.4 After eye contact

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. If the eye irritation persists seek medical attention.

##### 4.1.5 After ingestion

No special first aid measures are required.  
 Rinse out the mouth with clean water. In the event of issues, find medical help.

#### 4.2 The most acute and delayed symptoms and effects

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 Instruction of immediate medical help and special treatment

Symptomatic treatment.

### 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media** - accommodate extinguishing components to the location of fire.

**Unsuitable extinguishing media** - no restrictions on applicable extinguishing agents.

#### 5.2 Special hazards

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

	<b>MATERIAL SAFETY DATA SHEET</b> pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH) amended by Regulation of Commission (EU) no. 2020/878	Page 3/9
	Product name:	Issued on: 6.2.2023
	<b>TALC</b>	Revision nr: 0
		Revised on:

### 5.3 Instructions for firefighters

Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

### 5.4 Other information

Use an extinguishing agent suitable for the surrounding fire.

## 6. SUBSTANCE OR PREPARATION ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protections and emergency procedures

Follow the instructions in the Sections 7 and 8.

### 6.2 Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

### 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. Dispose of the collected material in accordance with local regulations.

### 6.4 Links to other section

See section 7, 8 and 13.

## 7. HANDLING AND STORAGE

### 7.1 Handling instructions

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.

Do not eat, drink or smoke while using this product. Wash your hands thoroughly after handling and treat with reparative cream. Remove all contaminated clothing and protective equipment before entering dining areas.

#### 7.1.2 Preventive environmental precautions

Information not available.

#### 7.1.3 Special requirements or rules

Information not available.

### 7.2 Storage

#### 7.2.1 Conditions for safe storage, including incompatible substances and mixtures

Store in tightly closed containers, under the conditions usual for chemical products (dry, cold and well ventilated areas). Store packaging separately from food.

#### 7.2.2 Quantitative limits for storage conditions

Information not available.

### 7.3 Specific end use

Not specified.

	<b>MATERIAL SAFETY DATA SHEET</b> pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH) amended by Regulation of Commission (EU) no. 2020/878	Page 4/9
	Product name:	Issued on: 6.2.2023
	<b>TALC</b>	Revision nr: 0
		Revised on:

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control parameters

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

### 8.2 Exposure limitation

#### 8.2.1 Occupational exposure control

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne dust concentrations below specified exposure limits. If the worker's activities generate dust, gases or mist, use ventilation to keep airborne particle concentrations below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing. Do not eat, drink and smoke while working. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest breaks.

#### 8.2.2 Individual protection measures including personal protective equipment

##### 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.

##### Eye/face 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.

##### Skin protection

No specific requirement. Protective gloves are not necessary but recommended for those prone to skin irritation or dryness (when handling in long-term or repeatedly).

#### 8.2.3 Environmental exposure controls

Avoid wind dispersal. Observe usual measures for protection of the environment, see Section 6.2.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information about main physical and chemical properties

a) substance state	Solid - powder
b) colour	White to light grey
c) odour	Odourless
d) melting point / freezing point	> 1300 °C
e) boiling point or initial boiling point and boiling point range	Not applicable
f) flammability	Not flammable
g) lower and upper explosive or flammable limits	Data not available
h) flash point	Data not available
i) autoignition temperature	Data not available
j) thermal decomposition	> 1000 °C
k) pH	8,5-9,0 (10 % solution)
l) kinematic viscosity	Data not available
m) solubility	Almost insoluble
n) partition coefficient n-octanol / water (logarith. value)	Data not available
o) vapour pressure	Not applicable
p) density and / or relative density	1,7 – 2,8 g/cm <sup>3</sup>
q) relative vapour density	Data not available

	<b>MATERIAL SAFETY DATA SHEET</b> pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH) amended by Regulation of Commission (EU) no. 2020/878	Page 5/9
	Product name:	Issued on: 6.2.2023
	<b>TALC</b>	Revision nr: 0
		Revised on:

## 9.2 Other information

Evaporation rate	Data not available
Explosive properties	Data not available
Oxidising properties	Data not available

### 9.2.1 Information on physical hazard classes

Not stated

### 9.2.2 Other safety characteristics

Not stated

## 10. INFORMATION ON STABILITY AND REACTIVITY

### 10.1 Reactivity

Inert, not reactive .

### 10.2 Chemical stability

Chemically stable.

### 10.3 Possibility of hazardous reactions

Unknown.

### 10.4 Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, overheating and frost.

### 10.5 Incompatible materials

Protect against strong acids, bases and oxidizing agents.

### 10.6 Hazardous decomposition products

Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No. 1272/2008

#### a) acute toxicity

Talc is not acutely toxic.

Oral LD<sub>50</sub> > 5000 mg/kg bw

Dermal No data available.

Inhalation No data available.

#### b) skin corrosion / irritation

Talc is not irritating to skin (in vivo, OECD 404, rabbit).

Classification for irritation/corrosion is not warranted.

#### c) serious eye damage / eye irritation

No data available.

#### d) respiratory sensitization / skin sensitization

LLNA (OECD 429, mouse): talc is not a skin sensitiser.

	<b>MATERIAL SAFETY DATA SHEET</b> pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH) amended by Regulation of Commission (EU) no. 2020/878	Page 6/9
	Product name:	Issued on: 6.2.2023
	<b>TALC</b>	Revision nr: 0
		Revised on:

**e) germ cell mutagenicity**

Talc is non-mutagenic (in vitro study results OECD 471).  
 From the strains tested talc appears to have no mutagenic effects.  
 Classification for mutagenicity is not warranted.

**f) 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.

**g) reproductive toxicity**

No data available.  
 Oral exposure to talc has no effect on the development of the foetus or foetal survival (OECD 414, rabbit).

**h) toxicity of specific target organ – STOT single exposure**

No data available.

**i) toxicity of specific target organ – STOT repeated exposure**

No organ toxicity observed in repeated dose toxicity tests.  
 Classification of talc for toxicity upon prolonged exposure is not warranted.

**j) aspiration hazards**

No aspiration hazard envisaged.

**11.2 Information on other hazards**

The substance does not have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## 12. ECOLOGICAL INFORMATION

**12.1 Ecotoxicity – acute toxicity for aquatic organisms and other environments**

No data available. No specific adverse effects known.

**12.2 Mobility**

No data available.

**12.3 Persistence and degradability**

No data available.

**12.4 Bioaccumulative potential**

No data available.

**12.5 Results of PBT and vPvB**

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

**12.6 Endocrine disrupting properties**

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

	<b>MATERIAL SAFETY DATA SHEET</b> pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH) amended by Regulation of Commission (EU) no. 2020/878	Page 7/9
	Product name:	Issued on: 6.2.2023
	<b>TALC</b>	Revision nr: 0
		Revised on:

### 12.7 Other adverse effects

No other adverse effects are identified.

## 13. DISPOSAL INSTRUCTIONS

### 13.1 Suitable methods of removal of the substance or mixture.

According to the waste catalog, it is not considered as hazardous waste.

### 13.2 Contaminated packaging disposal methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

### 13.3 The legislation of the waste

Act No. 541/2020 Coll., on the Waste  
 Decree No. 8/2021 Coll. (Waste Catalogue)  
 Decree No. 273/2021 Coll. on the Details of Waste Management

## 14. TRANSPORT INFORMATION

### 14.1 UN number or ID number

It is not subject to regulations for the transport of dangerous goods.

### 14.2 Relevant OSN name for shipment

Not relevant.

### 14.3 Class of transport hazard

Not relevant.

### 14.4 Packing group

Not relevant.

### 14.5 Hazardous to environment

Not relevant.

### 14.6 Special precautions for user

Reference in Sections 4 and 8.

### 14.7 Sea mass transport according to IMO standards

Not relevant.

	<b>MATERIAL SAFETY DATA SHEET</b> pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH) amended by Regulation of Commission (EU) no. 2020/878	Page 8/9
	Product name:	Issued on: 6.2.2023
	<b>TALC</b>	Revision nr: 0
		Revised on:

## 15. REGULATIONS INFORMATION

### 15.1 Safety, health and environmental regulations / specific legislation relating to the substance or mixture

#### National regulations:

Act No. 254/2001 Coll. on Water (Water Act), as amended

Act No. 541/2020 Coll., on Waste

Act No. 201/2012 Coll., on Air Protection, as amended

Act No. 258/2000 Coll., on Protection of Public Health, as amended

Act No. 350/2011 Coll. of 27 October 2011 on Chemical Substances and Chemical Mixtures and on the Amendment of Certain Acts (Chemical Act), as amended

Government Regulation No. 361/2007 Coll., as amended, which sets out the conditions for Health at work, including PEL and NPK limits (see Article 8).

Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals and establishing a European Chemicals Agency, as amended (REACH).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on Classification, Labelling and Packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

### 15.2 Chemical safety assessment

Not available.

## 16. OTHER INFORMATION

Details about changes and revisions

Revision nr.	Date	The changes
0	6.2.2023	The new Safety data sheet – Modification of the SDS according to EU Commission Regulation 2020/878

#### Key or legend to abbreviations and acronyms used in the Material safety data sheet

CAS	Chemical Abstracts Service (division of the American Chemical Society)
ES (EINECS)	Existing Commercial Chemical Substances
PEL	Permissible exposure limit
NPK-P	Maximum permissible concentrations
PBT	Persistent, bioaccumulative and toxic substances
vPvB	Very persistent and very bioaccumulative substances
DNEL	Derived level at which there are no adverse effects
PNEC	Estimation of the concentration at which no adverse effects occur
VOC	Volatile organic compounds
STOT	Specific target organ toxicity
ČSN	Czech technical standards
LC50	The concentration with the observed death in 50% of animals tested
LD50	The dose with the observed death in 50% of animals tested
OEL	Occupational exposure level

#### Sources of key data used to compile the data sheet

The safety data sheet was prepared based on the original safety data sheets provided by the supplier.

In addition to data from the literature, the information provided here is based on our best knowledge and current legislation.

**A list of the relevant phrases, standardised phrases about dangerous, safety phrases and/or instructions for safe handling given in the Material Safety Data Sheet. Full text of all phrases and instructions which are not in full version in section 2 to 15:**

#### Hazard category:

None



	<b>MATERIAL SAFETY DATA SHEET</b> pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH) amended by Regulation of Commission (EU) no. 2020/878	Page 9/9
	Product name:	Issued on: 6.2.2023
	<b>TALC</b>	Revision nr: 0
		Revised on:

**Full text of H-phrases:**

None

**Other information:**

Recommended use restrictions

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. As the specific conditions of use of the substance/mixture are beyond the supplier's control, it is the user's responsibility to adapt the prescribed warnings to local laws and regulations.

The safety information describes the product in terms of safety and cannot be considered as technical information about the product.

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

The safety data sheet has been processed:

Ferdus, s.r.o.  
 J. Fučíka 699  
 768 11 Chropyně  
 Czech Republic  
 Telefon/Fax: +420 577 103 566  
 e-mail: [info@ferdus.cz](mailto:info@ferdus.cz)  
[www.ferdus.cz](http://www.ferdus.cz)

Revision 0: Ing. Petra Menšíková, [petra.mensikova@ferdus.cz](mailto:petra.mensikova@ferdus.cz)