

## 1 Identification

### Product identifier

Trade name: 639A1 - Talcum Powder

### Other means of identification

Chemical name: Talc ( $\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$ )

Synonym(s): Talcum

### Recommended use and restrictions on use

General use: Filler, pigment for orthopedic procedures.  
Reserved for industrial and professional use.

### Initial supplier identifier

Company name: Otto Bock HealthCare Canada Ltd.

Street/POB-No.: 5470 Harvester Road

Postal code, city: Burlington, ON L7L 5N5, CA

Canada

WWW: [www.ottobock.ca](http://www.ottobock.ca)

Email: [info.canada@ottobock.com](mailto:info.canada@ottobock.com)

Telephone: (800) 665-3327

Telefax: (800) 463-3659

Department responsible for information:

Mark Agro, Telephone: (800) 665-3327 (9 am - 5 pm)

Additional information: Corporate headquarters:  
Ottobock SE & Co. KGaA  
Max-Näder-Straße 15  
Duderstadt  
Germany

### Emergency telephone number

COLLECT, Telephone: (613) 996-6666

## 2 Hazard identification

### Classification

This substance is classified as not hazardous.

### Information elements

Symbols: not applicable

Hazard statements: not applicable

Precautionary statements: not applicable

## Other hazards known to the supplier with respect to the product

Depending on handling and use (e.g. grinding, drying) formation of air-borne, respirable crystalline silicon dioxide is possible.

A repeated, excessive dust exposure can cause pneumoconiosis. May cause skin and eye irritation.

## 3 Composition/Information on ingredients

### Material/substance

Chemical name:	Talc ( $Mg_3H_2(SiO_3)_4$ ) UVCB substance Purity: > 70%
CAS-Number:	14807-96-6
Additional information:	Contains: Chlorite-group minerals (CAS 1318-59-8): < 25% Dolomite (CAS 16389-88-1): < 5% Magnesium carbonate (CAS 546-93-0): < 2% Quartz ( $SiO_2$ ) (CAS 14808-60-7): < 1.1% (respirable fraction < 1%) The maximum workplace exposure limits are, where necessary, listed in section 8.

## 4 First-aid measures

### Description of necessary first-aid measures

In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
In case of swallowing:	Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.
In case of skin contact:	Remove residues with soap and water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.
In case of eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

### Most important symptoms and effects, whether acute or delayed

Depending on handling and use (e.g. grinding, drying) formation of air-borne, respirable crystalline silicon dioxide is possible. May cause skin and eye irritation.

### Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

## 5 Fire-fighting measures

### Suitable and unsuitable extinguishing media

Suitable extinguishing media:	Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.
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Unsuitable extinguishing media:

Full water jet

**Specific hazards arising from the product**

Fires in the immediate vicinity may cause the development of dangerous vapours.  
Furthermore, there may develop: Metal oxide smoke.

**Special protective equipment and precautions for fire-fighters**

Wear self-contained breathing apparatus.

Additional information:

Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Avoid generation of dust. Do not breathe dust. Do not get in eyes, on skin, or on clothing.  
If possible, eliminate leakage. Provide adequate ventilation. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

Environmental precautions:

Do not release large quantities into the surface water or into drains.

**Methods and material for containment and cleaning up**

Take up mechanically, placing in appropriate containers for disposal. Never return spills in original containers for re-use.

**7 Handling and storage****Precautions for safe handling**

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid generation of dust. Do not breathe dust. Do not get in eyes, on skin, or on clothing.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wear appropriate protective equipment.  
Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.

**Conditions for safe storage, including any incompatibilities**

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place. Keep container dry. Keep only in original container. Store containers in upright position.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

## 8 Exposure controls/Personal protection

### Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
14807-96-6	639A1 - Talcum Powder	Canada: Alberta, OEL 8 hour	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
		Canada: Alberta, OEL 8 hour	2 mg/m <sup>3</sup> (respirable fraction)
		Canada: Alberta, OEL 8 hour	3 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
		Canada: BC, OEL TWA	0.1 fibers/cm <sup>3</sup> (Contains asbestos.)
		Canada: BC, OEL TWA	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
		Canada: BC, OEL TWA	2 mg/m <sup>3</sup> (respirable fraction Containing no asbestos fibres)
		Canada: BC, OEL TWA	3 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
		Canada: Ontario, OEL TWA	2 fibers/cm <sup>3</sup>
		Canada: Ontario, OEL TWA	2 mg/m <sup>3</sup> (respirable fraction)
		Canada: Québec, VEMP	1 fibers/cm <sup>3</sup>
		Canada: Québec, VEMP	10 mg/m <sup>3</sup> (total dust)
		Canada: Québec, VEMP	2 mg/m <sup>3</sup> (respirable fraction)
		Canada: Québec, VEMP	3 mg/m <sup>3</sup> (total dust, respirable fraction)
		Canada: Québec, VEMP	10 mg/m <sup>3</sup> (total dust)
546-93-0	Magnesium carbonate	Canada: Québec, VEMP	10 mg/m <sup>3</sup> (total dust)
14808-60-7	Silicon dioxide (Quartz (SiO <sub>2</sub> ))	Canada: Alberta, OEL 8 hour	0.025 mg/m <sup>3</sup> (respirable fraction)
		Canada: BC, OEL TWA	0.025 mg/m <sup>3</sup>
		Canada: Ontario, OEL TWA	0.1 mg/m <sup>3</sup> (respirable fraction)
		Canada: Québec, VEMP	0.05 mg/m <sup>3</sup> (respirable fraction)

### Appropriate engineering controls

Provide good ventilation and/or an exhaust system in the work area. In the case of the formation of dust: Dust should be exhausted directly at the point of origin.

### Individual protection measures, such as personal protective equipment

Respiratory protection:	Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. In case of inadequate ventilation wear respiratory protection. Recommendation: Particulates filter P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.
Hand protection:	Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Observe glove manufacturer's instructions concerning penetrability and breakthrough time. In the case of wanting to use the gloves again, clean them before taking off and air them well.
Eye protection:	Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
Body protection:	Wear suitable protective clothing.

### General hygiene considerations:

Avoid generation of dust. Do not breathe dust. Do not get in eyes, on skin, or on clothing.  
Do not eat, drink or smoke when using this product.  
Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.

### Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	solid
Colour:	Form: Powder white, cream to light gray
Odour:	Odourless
Odour threshold:	No data available
Melting point and freezing point:	> 1300 °C
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Product is non-combustible.
Lower and upper explosion limit or lower and upper flammability limit:	LEL (Lower Explosion Limit): Not applicable UEL (Upper Explosive Limit): Not applicable
Flash point/flash point range:	Not applicable
Evaporation rate:	No data available
Auto-ignition temperature:	Not self-igniting
Decomposition temperature:	> 1000 °C (Release of water of crystalization)
pH:	at 10%: 9.0 - 9.5
Water solubility:	Practically insoluble
Partition coefficient — n-octanol/water:	No data available
Vapour pressure:	No data available
Density and/or relative density	2.58 - 2.83 g/cm <sup>3</sup>
Vapour density:	No data available
Particle characteristics:	No data available

### Additional information

Explosive properties:	Product is not explosive.
Oxidizing characteristics:	Not oxidising
Ignition temperature:	Not applicable

## 10 Stability and reactivity

Reactivity:	Refer to subsection "Possibility of hazardous reactions".
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No hazardous reaction when handled and stored according to provisions.

Conditions to avoid: Protect from moisture contamination.

Incompatible materials: No data available

Hazardous decomposition products:  
No hazardous decomposition products when regulations for storage and handling are observed.

## 11 Toxicological information

### Information on the likely routes of exposure

No data available

### Health hazard information

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Specific symptoms in animal studies, Rabbit: Not an irritant (OECD 404)

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.  
(OECD 471)

Carcinogenicity: Based on available data, the classification criteria are not met.  
Product is free of Asbestos.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

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

Acute toxicity: LD50 Rat, oral: > 5,000 mg/kg

### Symptoms

A repeated, excessive dust exposure can cause pneumoconiosis.

## 12 Ecological information

### Ecotoxicity

Aquatic toxicity: No harmful effect in the area of water solubility.

### Persistence and degradability

Further details: The methods for determining the biological degradability are not applicable to inorganic substances.

### Bioaccumulative potential

Partition coefficient — n-octanol/water:

No data available

### Mobility in soil

No data available

### Other adverse effects

General information: Do not release large quantities into the surface water or into drains.

## 13 Disposal considerations

### Waste treatment methods

#### Product

Recommendation: Dispose of waste according to applicable legislation. Do not allow to enter drains.

#### Package

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## 14 Transport information

### UN number

TDG, IMDG, IATA-DGR: not applicable

### UN proper shipping name

TDG, IMDG, IATA-DGR: Not restricted

### Transport hazard class

TDG, IMDG, IATA-DGR: not applicable

### Packing group

TDG, IMDG, IATA-DGR: not applicable

### Environmental hazards

Marine pollutant: no

### Special precautions in connection with transport or conveyance either within or outside the premises

#### Canada: Transportation of Dangerous Goods (TDG)

Shipping name: Not restricted

#### Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

### Air transport (IATA)

Proper shipping name: Not restricted

### Further information

No dangerous good in sense of these transport regulations.

## 15 Regulatory information

### National regulations - Canada

Product: DSL: listed  
Dolomite: NDSL: listed  
Magnesium carbonate: DSL: listed  
Silicon dioxide (Quartz (SiO<sub>2</sub>)): DSL: listed

### Further regulations, limitations and legal requirements

No data available

## 16 Other information

Revision date: 17/12/2025  
Date of first version: 29/10/2008  
Reason of change: General revision: Safety Data Sheet according to Hazardous Products Regulations (HPR) 2022

### Abbreviations and acronyms:

AS/NZS: Australian Standards/New Zealand Standards  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
DSL: Domestic Substances List  
EC: European Community  
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods  
EN: European Standard  
EQ: Excepted quantities  
IATA: International Air Transport Association  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
IMO: International Maritime Organization  
LD50: Lethal dose 50%  
LEL: Lower Explosion Limit  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
MFSU: Manufacture, formulation, supply and use  
NDSL: Non-Domestic Substances List  
OECD: Organisation for Economic Co-operation and Development  
OEL: Occupational Exposure Limit Value  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
TDG: Transportation of Dangerous Goods Regulation in Canada  
TLV: Threshold Limit Value  
TRGS: Technical Rules for Hazardous Substances  
UVCB: Substance of unknown or variable composition, complex reaction products or biological materials  
vPvB: Very persistent and very bioaccumulative  
WEL: Workplace Exposure Limit

**Department issuing data sheet**

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.