

## 1. Product and company identification

### Product identifier

Trade name: 639A1 - Talcum Powder

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

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

### Details of the supplier of the safety data sheet

Company name: Otto Bock Health Care  
Street/POB-No.: 3820 W. Great Lakes Drive  
Postal Code, city: Salt Lake City, UT 84120  
USA

WWW: [www.ottobockus.com](http://www.ottobockus.com)

Telephone: +1 (801) 956-2400

Telefax: +1 (801) 956-2401

Dept. responsible for information:

Quality Department,  
Telephone: +1 (801) 954-2304 (7 AM – 3 PM, Mountain Time),  
Email: [USRegulatory@ottobock.com](mailto:USRegulatory@ottobock.com)

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

### Emergency phone number

**CHEMTREC, Telephone: +1 (800) 424-9300**

## 2. Hazards identification

### Emergency overview

Appearance: Form: solid, Powder  
Color: white

Odor: characteristic

Classification: This material is classified as not hazardous.

### Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

### Hazards not otherwise classified

In case of inhalation: mild irritant.  
Slight pneumokoniosis is possible in the event of repeated excessive inhalation of dust.  
In case of eye contact: mild irritant.

At humidity:

Special danger of slipping by leaking/spilling product.

see section 11: Toxicological information

### 3. Composition / Information on ingredients

Chemical characterization: Talcum, hydrated Magnesium Silicate. (CAS 14807-96-6)

Product is free of Asbestos.

Talc contains less than 1% by weight of respirable crystalline silicic acid in a fraction < 0.005mm. Neither silicosis nor other product specific affectations of the respiratory tracts have been observed in product handling.

Additional information: Contains:

CAS 1318-59-8 Chlorite-group minerals: < 5%

CAS 16389-88-1 Dolomite: < 2%

CAS 14808-60-7 Quartz (SiO<sub>2</sub>): < 1%

CAS 13397-26-7 Calcite: in traces

### 4. First aid measures

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.

Following skin contact: Thoroughly wash skin with soap and water.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.  
Seek medical attention if problems persist.

After swallowing: Rinse mouth and drink large quantities of water. Seek medical treatment in case of troubles.

#### Most important symptoms/effects, acute and delayed

In case of inhalation: mild irritant.

Slight pneumokoniosis is possible in the event of repeated excessive inhalation of dust.

In case of eye contact: mild irritant.

#### Information to physician

Treat symptomatically.

### 5. Fire fighting measures

Flash point/flash point range:

No data available

Auto-ignition temperature: No data available

Suitable extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

#### Specific hazards arising from the chemical

No known hazardous decomposition products.

Protective equipment and precautions for firefighters:

If necessary: In case of fire, use a suitable breathing apparatus.

### 6. Accidental release measures

Personal precautions: Avoid generation of dust. With the formation of dust, use a dust mask.  
Wear appropriate protective equipment.

### Environmental precautions:

Do not allow to enter into surface water or drains.

### Methods for clean-up:

Take up mechanically. Avoid generation of dust.

### Additional information:

At humidity:

Special danger of slipping by leaking/spilling product.

## 7. Handling and storage

### Handling

Advices on safe handling: Avoid generation of dust.

In the case of the formation of dust: Dust mask.

Wear appropriate protective equipment.

### Storage

Requirements for storerooms and containers:

Keep container tightly closed and dry.

Keep in a cool place. Protect from moisture contamination.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
14807-96-6	639A1 - Talcum Powder	USA: ACGIH: TWA	10 mg/m <sup>3</sup>
		USA: ACGIH: TWA	3 mg/m <sup>3</sup>
		USA: OSHA: TWA	15 mg/m <sup>3</sup>
		USA: OSHA: TWA	5 mg/m <sup>3</sup>
	Talcum	USA: ACGIH: TWA	2 mg/m <sup>3</sup>
		USA: NIOSH: TWA	2 mg/m <sup>3</sup>
		USA: OSHA: TWA	20 mppcf

### Engineering controls

Provide adequate ventilation.

If necessary: Use local exhaust.

See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

#### Eye/face protection

Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010

#### Skin protection

Wear suitable protective clothing.

protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: nitrile rubber.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

#### Respiratory protection:

With the formation of dust, use a dust mask.

Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Particulates filter P1 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations:

Do not breathe dust. Avoid contact with skin and eyes.  
Wash hands before breaks and after work.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Form: solid, Powder Color: white
Odor:	characteristic
Odor threshold:	No data available
pH value:	No data available
Melting point/freezing point:	> 2372 °F
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	2.58 - 2.83 g/cm <sup>3</sup>
Water solubility:	<= 0.1 %
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Explosive properties:	Product is not explosive.

## 10. Stability and reactivity

Reactivity:	refer to 10.3
Chemical stability:	The product itself does not burn. Stable under recommended storage conditions.
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid:	No data available
Incompatible materials:	No data available
Hazardous decomposition products:	No known hazardous decomposition products.
Thermal decomposition:	No data available

## 11. Toxicological information

### Toxicological tests

<p>Toxicological effects:</p>	<p>Acute toxicity (oral): Lack of data.</p> <p>Acute toxicity (dermal): Lack of data.</p> <p>Acute toxicity (inhalative): Lack of data.</p> <p>Skin corrosion/irritation: Lack of data.</p> <p>Serious eye damage/irritation: Lack of data.</p> <p>Sensitisation to the respiratory tract: Lack of data.</p> <p>Skin sensitisation: Lack of data.</p> <p>Germ cell mutagenicity/Genotoxicity: Lack of data.</p> <p>Carcinogenicity: Lack of data.</p> <p>Reproductive toxicity: Lack of data.</p> <p>Effects on or via lactation: Lack of data.</p> <p>Specific target organ toxicity (single exposure): Lack of data.</p> <p>Specific target organ toxicity (repeated exposure): Lack of data.</p> <p>Aspiration hazard: Lack of data.</p>
<p>Other information:</p>	<p>Not known to cause sensitization.</p> <p>Neither silicosis nor other product specific affectations of the respiratory tracts have been observed in product handling.</p>

### Symptoms

In case of inhalation: mild irritant  
Slight pneumokoniosis is possible in the event of repeated excessive inhalation of dust.  
After eye contact: mild irritant

## 12. Ecological information

### Ecotoxicity

Further details: No data available

### Mobility in soil

No data available

### Persistence and degradability

Further details: Product is not biodegradable.

### Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

General information:

Do not allow to enter into ground-water, surface water or drains.

## 13. Disposal considerations

### Product

Recommendation: Dispose of waste according to applicable legislation.

### Contaminated packaging

Recommendation: Incinerate according to applicable local, state and federal regulations.

## 14. Transport information

### USA: Department of Transportation (DOT)

Proper 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 - U.S. Federal Regulations

Talcum: TSCA Inventory: listed  
TSCA HPVC: not listed  
Carcinogen Status:  
IARC Rating: Group 3  
OSHA Carcinogen: not listed  
NTP Rating: not listed  
NIOSH Recommendations:  
Occupational Health Guideline:  
0584

### National regulations - U.S. State Regulations

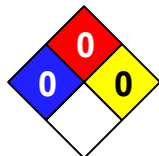
Talcum: California Proposition 65 code: not listed  
Massachusetts Haz. Substance codes: 2,4 F5  
Minnesota Haz. Substance:  
Codes: AO - Ratings: --  
Pennsylvania Haz. Substance code: -  
Washington Air Contaminant:  
TWA: 2mg  
Wisconsin Hazardous Air Contaminant List (Appears on Table): A

### National regulations - Great Britain

Hazchem-Code: -

### 16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 0 (Minimal)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 0 (Minimal)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

Reason of change: Changes in section 1.3: Corporate headquarters

Date of first version: 10/29/2008

#### Department issuing data sheet

Contact person: see section 1: Dept. 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.