

## 1 Identification

### Product identifier

Trade name: 618T40 - Sintering Powder

### Recommended use and restrictions on use

General use: Coating agent 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 mixture 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

Danger of dust explosion.

### 3 Composition/Information on ingredients

#### Mixture

Chemical name: Mixture on the basis of Polyolefine copolymerisate with pigments and polytetrafluoroethylene (PTFE)

### 4 First-aid measures

#### Description of necessary first-aid measures

In case of inhalation: In case of troubles after inhalation of dust: Provide fresh air.  
In case of respiratory difficulties seek medical attention.  
Move victim to fresh air, put at rest and loosen restrictive clothing.  
When fumes of molten material have been inhaled: Immediately get medical attention.

In case of swallowing: Never give anything by mouth to an unconscious person. Rinse mouth. If you feel unwell, seek medical advice.

In case of skin contact: If burned by hot product, quench immediately with cold tap water.  
Cover wounds with sterile dressing. Seek medical attention.

In case of eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

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

After eye contact: Dusts: mild irritant

#### 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: Water spray jet, foam, extinguishing powder, carbon dioxide.

Unsuitable extinguishing media: Full water jet.

#### Specific hazards arising from the product

Danger of dust explosion.  
In case of fire may be liberated: Hydrogen fluoride, Tetrafluoroethylene, Hexafluoropropylene, Fluorides, aldehydes, Acrolein, organic acids, Zinc oxide, carbon monoxide and carbon dioxide.

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

Wear a self-contained breathing apparatus and chemical protective clothing. Wear appropriate protective equipment.

Additional information: Cool endangered containers with water spray and, if possible, remove from danger zone.  
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 contact with the substance. Avoid generation of dust. Do not breathe dust. Provide fresh air.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains.

### Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.  
Use grounding equipment.

## 7 Handling and storage

### Precautions for safe handling

Advices on safe handling: Use local exhaust in the field of the processing equipment.  
Avoid contact with skin, eyes, and clothing. Do not breathe dust.  
Wear appropriate protective equipment. When using do not eat, drink or smoke.

Precautions against fire and explosion:

Avoid generation of dust. Dust may form explosive mixtures with air. To avoid dust explosion, dust accumulation should be avoided.  
Use grounding equipment.  
Do not smoke, no open fire, no sparks.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Provide earthing of containers, equipment, pumps and ventilation facilities.  
storage temperature: < 40°C. Keep container dry.  
Avoid heat and light. Protect from moisture contamination.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

## 8 Exposure controls/Personal protection

### Control parameters

### Appropriate engineering controls

Use local exhaust in the field of the processing equipment.

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

Respiratory protection: If necessary: Dust mask.

Hand protection: At processing: Protective gloves according to EN 374.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

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

Body protection: At processing: Wear suitable protective clothing.

General hygiene considerations:

Avoid contact with skin, eyes, and clothing. Do not breathe dust. Wash hands before breaks and after work. When using do not eat, drink or smoke.

**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	Form: solid, powdery
Colour:	varying colours
Odour:	like acrylic acid
Odour threshold:	No data available
Melting point and freezing point:	80 - 130 °C
Boiling point or initial boiling point and boiling range:	No data available
Flammability:	No data available
Lower and upper explosion limit or lower and upper flammability limit:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Auto-ignition temperature:	> 313 °C
Decomposition temperature:	> 400 °C
pH:	No data available
Water solubility:	insoluble
Partition coefficient — n-octanol/water:	No data available
Vapour pressure:	No data available
Density and/or relative density	1 g/cm <sup>3</sup>
Vapour density:	No data available
Particle characteristics:	Not applicable

**Additional information**

Explosive properties: Dust may form explosive mixtures with air.

## 10 Stability and reactivity

Reactivity:	Dust may form explosive mixtures with air.
Chemical stability:	Product is stable under normal storage conditions. Average shelf life of 5 years.
Possibility of hazardous reactions:	Fine dust: danger of dust explosion.
Conditions to avoid:	Avoid open flames. Avoid sparks. Protect from excessive heat.
Incompatible materials:	Strong acids, strong bases
Hazardous decomposition products:	In case of strong heating >430°C: Hydrogen fluoride, Tetrafluoroethylene, Hexafluoropropylene, Fluorides, aldehydes, Acrolein, organic acids, Zinc oxide, carbon monoxide and carbon dioxide.

## 11 Toxicological information

### Information on the likely routes of exposure

No data available

### Health hazard information

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

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): Lack of data.

Aspiration hazard: Lack of data.

### Symptoms

After eye contact: Dusts: mild irritant

## 12 Ecological information

### Ecotoxicity

Further details: No data available

### Persistence and degradability

Further details: Degradation: with UV-radiation/sunlight

### Bioaccumulative potential

Partition coefficient — n-octanol/water:

No data available

### Mobility in soil

No data available

### Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

### 13 Disposal considerations

#### Waste treatment methods

##### Product

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

##### Package

Recommendation: Waste key number:  
ASN 150102 Plastic packaging  
ASN 150104 metallic packaging  
Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

### 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

No data available

#### Further regulations, limitations and legal requirements

No data available

### 16 Other information

Revision date: 17/12/2025

Date of first version: 23/2/2007

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  
 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  
 MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
 OSHA: Occupational Safety and Health Administration  
 PBT: Persistent, bioaccumulative and toxic  
 PNEC: Predicted no-effect concentration  
 TDG: Transportation of Dangerous Goods Regulation in Canada  
 TRGS: Technical Rules for Hazardous Substances  
 UV: Ultraviolet  
 vPvB: Very persistent and very bioaccumulative

#### 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.