

## 1 Identification

### Product identifier

Trade name: 623TX - Polyamide Mesh Products

### Recommended use and restrictions on use

General use: Article 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: This safety data sheet pertains to the following products:

Article No. 623T3: Perlon Stockinette, White

Article No. 623T5: Perlon Elastic Stockinette, White

Article No. 623T8: Nylon Frizz Stockinette, Skin Color

Article No. 623T10: Nylon Frizz Stockinette, White

Article No. 623T13: Elastic Stockinette, White (Filtering Bag)

Corporate headquarters:

Ottobock SE & Co. KGaA

Max-Näder-Straße 15

Duderstadt

Germany

### Emergency telephone number

COLLECT, Telephone: (613) 996-6666

## 2 Hazard identification

### Classification

Article not subject to hazard labelling or classification.

### Information elements

not applicable

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

Processing, e.g. by cutting, sawing or grinding, can produce particles and dust. For risks which have to be observed thereby, see section 7: Handling, section 8: Exposure controls / personal protection and section 11: Toxicology.

### 3 Composition/Information on ingredients

#### Material/substance

Chemical name: polyamide-fabric, contains coating agent <= 3%

Additional information: Article No. 623T3: 100% polymer of Caprolactam (PA 6)  
 Article No. 623T5: 50% Caprolactam-polymer (PA 6) and 50% Adipic acid/Hexamethyldiamine-polymer (PA 6.6)  
 Article No. 623T8: 100% polymer of Adipic acid/Hexamethyldiamine (PA 6.6)  
 Article No. 623T10: 100% polymer of Adipic acid/Hexamethyldiamine (PA 6.6)  
 Article No. 623T13: 100% polymer of Adipic acid/Hexamethyldiamine (PA 6.6)

### 4 First-aid measures

#### Description of necessary first-aid measures

General information: For mechanical processing: dust formation.

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

In case of swallowing: Ingestion is not considered a possible route of exposure.

In case of skin contact: Dust: Remove residues with soap and water.  
 Burns caused by molten material must be treated clinically.

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

In case of eye contact (Article): mild irritant  
 In case of eye contact / in case of inhalation (dust): May cause irritations.

#### 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: Alcohol resistant foam, Full water jet

#### Specific hazards arising from the product

In case of fire may be liberated: nitrogen oxides (NOx), carbon monoxide and carbon dioxide.

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

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

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Provide adequate ventilation.  
In the case of the formation of dust: Wear protective equipment. Do not breathe dust.  
Avoid contact with skin and eyes.

Environmental precautions:

Discharge into the environment must be avoided.

### Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.  
Final cleaning: with water and soap.

## 7 Handling and storage

### Precautions for safe handling

Advices on safe handling: Handle in accordance with good industrial hygiene and safety practice.  
For mechanical processing: Avoid generation of dust. Provide adequate ventilation.  
In the case of the formation of dust: Wear protective equipment. Do not breathe dust.  
Avoid contact with skin and eyes.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container dry.

## 8 Exposure controls/Personal protection

### Control parameters

Occupational exposure limit values:

Type	Limit value
Canada: Alberta, OEL 8 hour	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
Canada: Alberta, OEL 8 hour	3 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
Canada: BC, OEL TWA	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
Canada: BC, OEL TWA	3 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
Canada: Québec, VEMP	10 mg/m <sup>3</sup> (total dust)
Canada: Québec, VEMP	10 mg/m <sup>3</sup> synthetic fibres, Polyolefines
Canada: Québec, VEMP	3 mg/m <sup>3</sup> (total dust, respirable fraction)
Canada: Québec, VEMP	5 mg/m <sup>3</sup> Carbon and graphite fibres

### Appropriate engineering controls

For mechanical processing: Provide good ventilation and/or an exhaust system in the work area.

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

Respiratory protection:	For mechanical processing: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Particulates filter P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.
Hand protection:	For machine processing: Protective gloves against mechanical risks. OSHA Standard - 29 CFR: 1910.138 Observe glove manufacturer's instructions concerning penetrability and breakthrough time. If necessary: Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Glove material: nitrile rubber Breakthrough time ca. 480 min.
Eye protection:	For mechanical processing: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010. If necessary: Wear face protective shield.
Body protection:	For mechanical processing: Wear suitable protective clothing.
General hygiene considerations:	Avoid generation of dust. Do not breathe dust. Wash hands before breaks and after work. Provide a conveniently located eye rinse station. Avoid contact with skin and eyes.

### 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, fibers
Colour:	white or skin-coloured (refer to section 1)
Odour:	odourless
Odour threshold:	No data available
Melting point and freezing point:	220 - 260 °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:	No data available
Decomposition temperature:	No data available
pH:	No data available
Water solubility:	at 20 °C: insoluble
Partition coefficient — n-octanol/water:	No data available
Vapour pressure:	No data available
Density and/or relative density	at 20 °C: 1.12 - 1.15 g/cm <sup>3</sup>

Vapour density: No data available

Particle characteristics: Not applicable

### Additional information

Ignition temperature: approx. 350 °C

## 10 Stability and reactivity

Reactivity: No data available

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:  
In case of fire may be liberated: nitrogen oxides (NO<sub>x</sub>), 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

In case of inhalation: dust: May cause irritations.

After eye contact: Article: mild irritant  
dust: May cause irritations.

## 12 Ecological information

### Ecotoxicity

Further details: No data available

### Persistence and degradability

Further details: Product is not biodegradable.

### 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: 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: 8/1/2008

Reason of change: General revision: Safety Data Sheet according to Hazardous Products Regulations (HPR) 2022

General revision: Safety Data Sheet according to HCS 2024 (29 CFR 1910.1200)

### 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  
 MFSU: Manufacture, formulation, supply and use  
 OEL: Occupational Exposure Limit Value  
 OSHA: Occupational Safety and Health Administration  
 PBT: Persistent, bioaccumulative and toxic  
 PNEC: Predicted no-effect concentration  
 TDG: Transportation of Dangerous Goods Regulation in Canada  
 TLV: Threshold Limit Value  
 TRGS: Technical Rules for Hazardous Substances  
 TSCA: Toxic Substance Control Act  
 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.