1. Product and company identification

Product identifier
Trade name: 623TX - Polyamide Mesh Products

Relevant identified uses of the substance or mixture and uses advised against
General use: Article 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
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

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

2. Hazards identification

Emergency overview
Appearance: Form: solid, fibers
Color: white or flesh-colored (refer to section 1)
Odor: odorless
Classification: This substance 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

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

Chemical characterization: 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

General information: For mechanical processing: dust formation.

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

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

After 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.

After swallowing: Swallowing is not regarded as a possible way of exposition.

Most important symptoms/effects, acute and delayed

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

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: Water spray jet, foam, dry chemical powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons: Alcohol resistant foam, Full water jet

Specific hazards arising from the chemical

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

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.
6. Accidental release measures

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

7. Handling and storage

Handling

Advises 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.

Storage

Requirements for storerooms and containers:
- Keep container dry.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

<table>
<thead>
<tr>
<th>Type</th>
<th>Limit value</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA: ACGIH: TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>USA: ACGIH: TWA</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>USA: OSHA: TWA</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>USA: OSHA: TWA</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

Engineering controls

- For mechanical processing: Provide good ventilation and/or an exhaust system in the work area.
- See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection
- For mechanical processing:
  - If necessary: Wear face protective shield.

Skin protection
- For mechanical processing: Wear suitable protective clothing.
For machine processing:
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
If necessary:
Glove material: nitrile rubber
Breakthrough time ca. 480 min.

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.

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.

9. Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Form: solid, fibers</td>
</tr>
<tr>
<td></td>
<td>Color: white or flesh-colored  (refer to section 1)</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH value</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>428 - 500 °F</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point/flash point range</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>at 68 °F: 1.12 - 1.15 g/cm³</td>
</tr>
<tr>
<td>Water solubility</td>
<td>at 68 °F: insoluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>approx. 662 °F</td>
</tr>
</tbody>
</table>

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 (NOx), carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

11. Toxicological information

Toxicological tests

Toxicological effects:
- 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.

dust: May cause irritations.

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

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

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

Contaminated packaging Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

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 - Great Britain
Hazchem-Code: -

16. Other information

Hazard rating systems: NFPA Hazard Rating:
Health: 1 (Slight)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)

HMIS Version III Rating:
Health: 1 (Slight)
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor

Reason of change: Changes in section 1.3: Corporate headquarters
Date of first version: 1/8/2008

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.