

**616/623X - Polyester Mesh Products**

Material number 616/623X

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**1. Product and company identification****Product identifier**

Trade name: 616/623X - Polyester 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  
USAWWW: [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: This safety data sheet pertains to the following products:

Article No. 616G6: Dacron Felt

Article No. 617V2: Perlon-fleece

Article No. 623T4: Polyester Stockinette, White

Corporate headquarters:

Ottobock SE &amp; 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  
Color: white

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.

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**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.

In case of eye contact: mild irritant

see section 11: Toxicological information

**3. Composition / Information on ingredients**

Chemical characterization: Textile material, contains coating agent <= 1%

**4. First aid measures**

General information: For mechanical processing: dust formation.

In case of inhalation: Provide fresh air.

In the case of the formation of dust: Seek medical treatment in case of troubles.

Following skin contact: Remove residues with soap and water.

Burns caused by molten material must be treated clinically.

After eye contact: In the case of the formation of dust: 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/effects, acute and delayed**

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:

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: carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus.

**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:

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

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal.

Final cleaning: with water and soap.

## 7. Handling and storage

### 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.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Storage

Requirements for storerooms and containers:

Keep container dry. Store at room temperature.

Keep at temperature not exceeding 158 °F.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

Type	Limit value
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>

### Engineering controls

For mechanical processing: Provide adequate ventilation.

See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection

Tightly sealed safety glasses according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003.

Skin protection

Wear protective gloves if necessary.

Glove material: Nitrile rubber-Breakthrough time: 480 min.

For mechanical processing:

Protective gloves against mechanical risks.

OSHA Standard - 29 CFR: 1910.138.

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

Respiratory protection:

For mechanical processing:

Dust mask or particulates filter.

OSHA Standard - 29 CFR: 1910.134. or ANSI Z88.2

## General hygiene considerations:

Avoid generation of dust.  
Wash hands before breaks and after work.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Appearance:	Form: solid Color: white
Odor:	odorless
Odor threshold:	No data available
pH value:	neutral
Melting point/freezing point:	482 - 500 °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:	at 68 °F: 1.3 - 1.4 g/cm <sup>3</sup>
Solubility:	at 68 °F: insoluble in fat
Water solubility:	at 68 °F: insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	Coating agent: 130°C - 190°C
Ignition temperature:	932 °F

**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 excessive heat. Protect from moisture contamination. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials:	No data available
Hazardous decomposition products:	In case of fire may be liberated: carbon monoxide and carbon dioxide.
Thermal decomposition:	Coating agent: 130°C - 190°C

## 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

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 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

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change: Changes in section 1.3: Corporate headquarters

Date of first version: 1/3/2008

**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.