

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: 3/22/2018 Version: 7 Language: en-US Date of print: 5/24/2018

623TX - Polyamide Mesh Products

Material number 623TX

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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

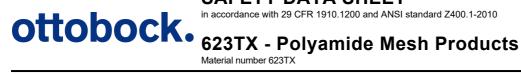
Classification: This substance is classified as not hazardous.

Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication

Standard (29 CFR 1910.1200) and SIMDUT in Canada.

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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.

see section 11: Toxicological information

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

For mechanical processing: dust formation. General information:

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

Dust: Remove residues with soap and water. Following skin contact:

Burns caused by molten material must be treated clinically.

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids After eye contact:

In case of troubles or persistent symptoms, consult an opthalmologist.

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.

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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

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.

Storage

Requirements for storerooms and containers:

Keep container dry.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

Туре	Limit value
USA: ACGIH: TWA	10 mg/m³
USA: ACGIH: TWA	3 mg/m³
USA: OSHA: TWA	15 mg/m³
USA: OSHA: TWA	5 mg/m³

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:

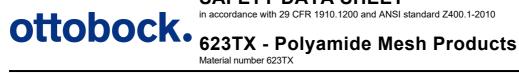
Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI

Z87.1-2010.

If necessary: Wear face protective shield.

Skin protection For mechanical processing: Wear suitable protective clothing.

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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.

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

Appearance: Form: solid, fibers

Color: white or flesh-colored (refer to section 1)

Odor: odorless

No data available Odor threshold:

pH value: No data available 428 - 500 °F Melting point/freezing point: 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: 1.12 - 1.15 g/cm3

at 68 °F: insoluble Water solubility: Partition coefficient: n-octanol/water: No data available No data available Auto-ignition temperature: No data available Thermal decomposition:

Ignition temperature: approx. 662 °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.

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Conditions to avoid: Protect from moisture contamination.

No data available Incompatible materials:

Hazardous decomposition products:

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

dioxide.

No data available Thermal decomposition:

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.

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.

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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:

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.

HEALTH 1
FLAMMABILITY 1
PHYSICAL HAZARD 0
X

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