

GN001 - glass / Nylon textile material

Material number GN001

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1 Identification

Product identifier

Trade name: GN001 - glass / Nylon textile material

Other means of identification

This safety data sheet pertains to the following products:

Article No. 623T 9: Nyglass Stockinette, White

Article No. 623T11: Nyglass Frizz Stockinette, White

Recommended use and restrictions on use

General use: Reinforcement fabric 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

Email: 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

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Other hazards known to the supplier with respect to the product

Fibers and dust: Causes temporarily: Skin irritation, mucous membrane irritation, eye irritations.

Coating agent: In case of prolonged exposition, sensitizing by skin contact is possible.

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

Mixture

Chemical name: Glass / Nylon fibers-textile material (diameter fibers > 3 µm): > 98,5%
coating agent (polymer, stable): < 1,5%

4 First-aid measures

Description of necessary first-aid measures

General information: For mechanical processing: dust formation.

In case of inhalation: Provide fresh air. Rinse mouth thoroughly with water.
Seek medical treatment in case of troubles.

In case of swallowing: Rinse mouth thoroughly with water. Give affected person large quantities of water, better milk.
Seek medical attention. Subsequent observance for Obstructing of the bowel/intestines.

In case of skin contact: Remove residues with soap and water.
Avoid rubbing. Fibers may penetrate deeper into the skin by rubbing.
In the event of persistent symptoms seek medical treatment.

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

Fibers and dust: Causes temporarily: Skin irritation, mucous membrane irritation, eye irritations.

Coating agent: In case of prolonged exposition, sensitizing by skin contact is possible.

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

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

Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.
Avoid generation of dust. Wear appropriate 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.

7 Handling and storage

Precautions for safe handling

Advices on safe handling: Provide adequate ventilation. Wear appropriate protective equipment.
Do not breathe dust. Avoid contact with skin and eyes.
For mechanical processing: Avoid generation of dust.
The use of local exhaust ventilation is recommended.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Protect from moisture contamination.

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8 Exposure controls/Personal protection

Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
65997-17-3	GN001 - glass / Nylon textile material	Canada: Alberta, OEL 8 hour	10 mg/m ³ (Dust limit value, inhalable fraction)
		Canada: Alberta, OEL 8 hour	3 mg/m ³ (Dust limit value, respirable fraction)
		Canada: BC, OEL TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
		Canada: BC, OEL TWA	3 mg/m ³ (Dust limit value, respirable fraction)
		Canada: Québec, VEMP	10 mg/m ³ (total dust)
		Canada: Québec, VEMP	10 mg/m ³ synthetic fibres, Polyolefines
		Canada: Québec, VEMP	3 mg/m ³ (total dust, respirable fraction)
	Glass fibers	Canada: Québec, VEMP	5 mg/m ³ Carbon and graphite fibres
		Canada: Alberta, OEL 8 hour	1 fibers/cm ³ (Glass Fibres, Continuous filament)
		Canada: Alberta, OEL 8 hour	5 mg/m ³ (Glass Fibres, continuous filament, total particulate, inhalable fraction)
		Canada: BC, OEL TWA	1 fibers/cm ³ (Synthetic vitreous fibres, Continuous filament glass fibres)
		Canada: BC, OEL TWA	5 mg/m ³ (Synthetic vitreous fibres, Continuous filament glass fibres, inhalable fraction)
		Canada: Ontario, OEL TWA	1 fibers/cm ³ (Synthetic vitreous fibres, Continuous filament glass fibres)
		Canada: Ontario, OEL TWA	5 mg/m ³ (Synthetic Vitreous Fibres (Man Made Mineral Fibres), Continuous filament glass fibres)
		Canada: Québec, VEMP	1 fibers/cm ³ (continuous filament)

Appropriate engineering controls

Provide adequate ventilation.

For mechanical processing: The use of local exhaust ventilation is recommended.

Individual protection measures, such as personal protective equipment

Respiratory protection:

For mechanical processing:

Particulates filter P1 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

Half-mask with filter according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2 - filter FP1, FFP1, FP2.

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Hand protection:	For mechanical processing: Protective gloves according to OSHA Standard - 29 CFR: 1910.138 Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	For mechanical processing: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010. OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003
Body protection:	For mechanical processing: Wear suitable protective clothing.
General hygiene considerations:	Avoid generation of dust. Wash hands before breaks and after work. Avoid rubbing. Fibers may penetrate deeper into the skin by rubbing. Remove fibers and/or dust from working clothes using a vacuum cleaner Glass fibers-dust: Avoid contact with skin and eyes. Do not breathe dust.

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
Colour:	white
Odour:	odourless
Odour threshold:	No data available
Melting point and freezing point:	coating agent: approx. 200 °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:	Coating agent: > 200°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	No data available
Vapour density:	No data available
Particle characteristics:	Not applicable

Additional information

Additional information:	softening point glass fibers: approx. 850 °C
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10 Stability and reactivity

Reactivity: refer to section 10.3

Chemical stability: Glass fibers: not combustible. Nylon / coating agent: combustible.
Product is stable under normal storage conditions.

Possibility of hazardous reactions:
none

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_x), 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

Fibers and dust: Causes temporarily: Skin irritation, mucous membrane irritation, eye irritations.
Coating agent: In case of prolonged exposition, sensitizing by skin contact is possible.

General remarks

For mechanical processing:
Possible in traces: formation of WHO-fibers
Definition WHO-fibers: length (L) > 5 µm and diameter (D) < 3 µm and L:D > 3:1
classification WHO-fibers: Causes concern for man owing to possible carcinogenic effects. Should be regarded as if they are carcinogenic to man.

12 Ecological information

Ecotoxicity

Effects in sewage plants: Mechanical separation in a suitable sewage plant is possible.

Further details: No data available

Persistence and degradability

Further details: Glass fibers: Product is not biodegradable.
Nylon: 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: Discharge into the environment must be avoided.

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

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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

Priority Substances List: listed (PSL 2)

CEPA Schedule 1: listed

Further regulations, limitations and legal requirements

No data available

16 Other information

Revision date: 17/12/2025

Date of first version: 22/8/2007

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)

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Abbreviations and acronyms:

AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CEPA: Canadian Environmental Protection Act
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DIN: German Institute for Standardization
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
PSL: Priority Substances List
TDG: Transportation of Dangerous Goods Regulation in Canada
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative

Literature: IARC Vol 81, 23.08.2002 Man-made Vitreous Fibres

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.