

1. Identification

Product identifier

Trade name: G001 - Glass fibers textile material

This safety data sheet pertains to the following products:

Article No. 616G3: Fiberglass Stockinette

Article No. 616G4: Fiberglass Mat (Biegelow Mat)

Article No. 616G5: Fiberglass Mat

Article No. 616G13: Woven Fiberglass Stockinette

Article No. 616G18: Fiberglass Cloth

Article No. 699B1: Fiberglass Roving

Article No. 699B2: Fiberglass Webbing

Relevant identified uses of the substance or mixture and uses advised against

General use: Article: glass fibers-textile material 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

Zip code, city: Salt Lake City, UT 84120

USA

WWW: www.ottobockus.com

Telephone: +1 (801) 956-2400

Telefax: +1 (801) 956-2401

Department responsible for information:

Quality Department,

Telephone: +1 (801) 954-2304 (7 AM – 3 PM, Mountain Time),

Email: USRegulatory@ottobock.com

Additional information:

Corporate headquarters:

Ottobock SE & Co. KGaA

Max-Näder-Straße 15

Duderstadt

Germany

Emergency telephone number

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

2. Hazard identification

Classification of the substance or mixture

Article not subject to hazard labelling or classification.

Label elements

not applicable

Other hazards

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.

Glass fibres, Index-Nr. 650-016-00-2: Xn, R38 - 40, S2 - 36/37

3. Composition/information on ingredients

Mixtures

Chemical characterization: Glass fibers-textile material >95% (diameter fibers > 3 µm)

Coating agent:

Article No. 616G3: polymer, stable 1,5 %

Article No. 616G18: chromium methacrylic chloride 0,7 %

Article No. 699B2: Finish FI122 (Organic materials) approx. 4 %

Additional information: Article: Product does not require special labeling according to US / Canadian legislation.

4. 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.

Following 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.

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: 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.

Most important symptoms/effects, acute and delayed

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

Information to physician

Treat symptomatically.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

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

Extinguishing media which must not be used for safety reasons:

Full water jet.

Specific hazards arising from the chemical

In case of fire may be liberated: carbon monoxide and carbon dioxide of coating agent.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

Avoid generation of dust. Wear suitable protective clothing.

Environmental precautions:

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Methods for clean-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.

For mechanical processing: Avoid generation of dust.

Wear suitable protective clothing. The use of local exhaust ventilation is recommended.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Protect from moisture contamination.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
65997-17-3	G001 - Glass fibers textile material	USA: ACGIH: TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
		USA: ACGIH: TWA	3 mg/m ³ (Dust limit value, respirable fraction)
		USA: OSHA: TWA	15 mg/m ³ (Dust limit value, total dust)
		USA: OSHA: TWA	5 mg/m ³ (Dust limit value, respirable fraction)
	Glass fibers	USA: ACGIH: TWA	1 fibers/cm ³ (Synthetic vitreous fibres, Continuous filament glass fibres)
		USA: ACGIH: TWA	5 mg/m ³ (Synthetic vitreous fibres, Continuous filament glass fibres, inhalable fraction)
		USA: NIOSH: TWA	3 fibers/cm ³
		USA: NIOSH: TWA	5 mg/m ³ (glass wool, fiberglass, glass fibers)

Appropriate engineering controls

Provide adequate ventilation.

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

Personal protection equipment (PPE)

Respiratory protection:	For mechanical processing: Dust mask according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2
Hand protection:	For mechanical processing: Protective gloves 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.
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 Separate storage of work clothes. Wash clothing before further use. Glass fibers-dust: 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 68 °F and 101.3 kPa	Form: solid
Color:	white up to yellowish up to light-gray
Odor:	odorless
Odor threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Explosion limits:	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
Viscosity:	No data available
Water solubility:	Glass fibers: insoluble
Partition coefficient: n-octanol/water:	No data available
Vapor pressure:	No data available
Density:	approx. 2.6 g/cm³
Vapor density:	No data available
Particle characteristics:	Not applicable

Additional information

Additional information:	Softening point: approx. 850 °C
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10. Stability and reactivity

Reactivity:	refer to section 10.3
Chemical stability:	Glass fibers: not combustible. Coating agent: combustible. Product is stable under normal storage conditions.
Possibility of hazardous reactions:	none
Conditions to avoid:	No data available
Incompatible materials:	None known
Hazardous decomposition products:	In case of fire may be liberated: carbon monoxide and carbon dioxide of coating agent.

11. Toxicological information

Information on toxicological effects

Toxicological effects:	<p>Acute toxicity (oral): Lack of data.</p> <p>Acute toxicity (dermal): Lack of data.</p> <p>Acute toxicity (inhalative): Lack of data.</p> <p>Skin corrosion/irritation: Lack of data.</p> <p>Serious eye damage/irritation: Lack of data.</p> <p>Sensitisation to the respiratory tract: Lack of data.</p> <p>Skin sensitisation: Lack of data.</p> <p>Germ cell mutagenicity/Genotoxicity: Lack of data.</p> <p>Carcinogenicity: Lack of data.</p> <p>Reproductive toxicity: Lack of data.</p> <p>Effects on or via lactation: Lack of data.</p> <p>Specific target organ toxicity (single exposure): Lack of data.</p> <p>Specific target organ toxicity (repeated exposure): Lack of data.</p> <p>Aspiration hazard: Lack of data.</p>
Other information:	<p>Fibers and dust: Causes temporarily: Skin irritation, mucous membrane irritation, eye irritations.</p> <p>Coating agent: In case of prolonged exposition, sensitizing by skin contact is possible.</p> <p>For mechanical processing:</p> <p>Possible in traces: formation of WHO-fibers</p> <p>Definition WHO-fibers: length (L) > 5 µm and diameter (D) < 3 µm and L:D > 3:1</p> <p>classification WHO-fibers: Causes concern for man owing to possible carcinogenic effects. Should be regarded as if they are carcinogenic to man.</p>

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.

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: Dispose of waste according to applicable legislation.
Product can be disposed of at an appropriate waste site, for example.

Package

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

14. Transport information

UN number

DOT, IMDG, IATA-DGR: not applicable

UN proper shipping name

DOT, IMDG, IATA-DGR: Not restricted

Transport hazard class(es)

DOT, IMDG, IATA-DGR: not applicable

Packing group

DOT, IMDG, IATA-DGR: not applicable

Environmental hazards

Marine pollutant: no

Transport in bulk according to IMO instruments

No data available

Special precautions for user

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 - U.S. Federal Regulations

This product is an article as defined by TSCA regulations, and is exempt from TSCA inventory listing requirements.

National regulations - U.S. State Regulations

No data available

Further regulations, limitations and legal requirements

No data available

16. Other information

Revision date: 12/17/2025

Date of first version: 7/11/2007

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)

Hazard rating systems:



NFPA Hazard Rating:

Health: 0 (Minimal)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

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

DOT: Department of Transportation's Safety Regulations (USA)

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

TRGS: Technical Rules for Hazardous Substances

TSCA: Toxic Substance Control Act

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.