

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: G001 - Glass fibres 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

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

General use: Article: glass fibres-textile material for orthopaedic procedures.
Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company name: Ottobock SE & Co. KGaA

Street/POB-No.: Max-Näder-Straße 15

Postal Code, city: 37115 Duderstadt

Germany

E-mail: export@ottobock.de

Telephone: +49 (0)5527 848-0

Telefax: +49 (0)5527 72330

Department responsible for information:

Arbeitssicherheit, Telephone: 05527-848-0, e-mail: Arbeitssicherheit@ottobock.de

Only available during office hours.

1.4 Emergency telephone number

Telephone: +49 (0)5527 848-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

2.3 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

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Glass fibres-textile material >95% (diameter fibres > 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: The product does not have to be labelled according to guideline 67/548/EEC.

SECTION 4: First aid measures

4.1 Description of 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. Fibres 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.

4.2 Most important symptoms and effects, both 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.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray jet, foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet.

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

Avoid generation of dust. Wear suitable protective clothing.

6.2 Environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Final cleaning.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 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.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers: Protect from moisture contamination.

7.3 Specific end use(s)

Article: glass fibres-textile material for orthopaedic procedures.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

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

Personal protection equipment

Occupational exposure controls

Respiratory protection: For mechanical processing:
Particle filter device (EN 143)-filter P1 or half-mask with filter according to EN 149-filter FP1, FFP1, FP2

Hand protection: For mechanical processing:
Protective gloves according to EN 388
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: For mechanical processing:
Tightly sealed goggles according to BS EN ISO 16321-1:2022.

Body protection: For mechanical processing: Wear suitable protective clothing.

General protection and hygiene measures:
Avoid generation of dust.
Wash hands before breaks and after work. Avoid rubbing.
Fibres 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 fibres-dust:
Avoid contact with skin and eyes.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	Form: solid
Colour:	white up to yellowish up to light-grey
Odour:	odourless
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	No data available
Decomposition temperature:	Coating agent: > 200°C
pH:	No data available
Viscosity, kinematic:	No data available
Water solubility:	Glass fibres: insoluble
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	approx. 2.6 g/cm ³
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	Softening point: approx. 850 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

refer to section 10.3

10.2 Chemical stability

 Glass fibres: not combustible. Coating agent: combustible.
 Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

none

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Thermal decomposition: In case of fire may be liberated: carbon monoxide and carbon dioxide of coating agent.
Coating agent: > 200°C

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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.

11.2 Information on other hazards

Endocrine disrupting properties: No data available

Other information:

- Fibres and dust: Causes temporarily: Skin irritation, mucous membrane irritation, eye irritations.
- Coating agent: In case of prolonged exposition, sensitizing by skin contact is possible.
- For mechanical processing:
- Possible in traces: formation of WHO-fibres
- Definition WHO-fibres: length (L) > 5 µm and diameter (D) < 3 µm and L:D > 3:1
- classification WHO-fibres: Causes concern for man owing to possible carcinogenic effects.
- Should be regarded as if they are carcinogenic to man.

SECTION 12: Ecological information

12.1 Toxicity

Further details: No data available

12.2 Persistence and degradability

Further details: Glass fibres: Product is not biodegradable.

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

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information: Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 10 11 03 = Waste glass-based fibrous materials.
 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.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR: not applicable

14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous
 according to the criteria of the UN model regulations.

Marine pollutant: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations - EC member states

Volatile organic compounds (VOC):
 0 % by weight

Further regulations, limitations and legal requirements:
 No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

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

Reason of change: General revision

Date of first version: 11/7/2007

Department issuing data sheet: see section 1: Department responsible for information

Abbreviations and acronyms:

- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- 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
- EC: European Community
- EEC: European Economic Community
- EN: European Standard
- EQ: Excepted quantities
- EU: European Union
- 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
- 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
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- TRGS: Technical Rules for Hazardous Substances
- vPvB: Very persistent and very bioaccumulative

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.