

## 616B - Collective Data Sheet for Prepreg materials

Material number 616B

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### 1 Identification

#### Product identifier

Trade name: 616B - Collective Data Sheet for Prepreg materials

#### Other means of identification

This safety information pertains to the following products:

616B10=5 = Carbonfaser Gewebeprepreg

616B11=5 = Carbonfaser Gewebeprepreg, UD

616B13=1 = Aramid Gewebeprepreg

616B15=1 = Dyneema Gewebeprepreg

#### Recommended use and restrictions on use

General use: Fabric impregnated with bisphenol A epoxy resin (uncured) for orthopedic procedures.  
Processing at Processing temperature 65 - 180 °C.  
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](http://www.ottobock.ca)

Email: [info.canada@ottobock.com](mailto: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

Article not subject to hazard labelling or classification.

#### Information elements

not applicable

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### Other hazards known to the supplier with respect to the product

Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Processing by heating can produce vapors. For risks which have to be observed thereby, see section 7: Handling, section 8: Exposure controls / personal protection and section 11: Toxicology.  
If handled and used properly, exposure to fibers is unlikely.

## 3 Composition/Information on ingredients

### Mixture

Chemical name: Article  
Contains: epoxy resins (20-65 %), Reinforcement (30-70 %)

## 4 First-aid measures

### Description of necessary first-aid measures

General information: If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.  
In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical attention.  
In case of swallowing: Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.  
In case of skin contact: Immediately remove all contaminated clothing. Wash with generous amount of water and soap. Seek medical attention if irritation persists.  
In case of eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult doctor afterwards.

### Most important symptoms and effects, whether acute or delayed

Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Ingestion is not considered a possible route of exposure.

### 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:  
Foam, extinguishing powder, water spray jet, Carbon dioxide.  
Unsuitable extinguishing media:  
Full water jet

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### Specific hazards arising from the product

May form dangerous gases and vapours in case of fire.  
Furthermore, there may develop: Nitrous fumes, carbon monoxide and carbon dioxide.

### Special protective equipment and precautions for fire-fighters

Use a breathing apparatus independent of the ambient air (isolated apparatus) and a full protection outfit (suit) against chemicals.

Additional information:

Do not breathe fumes.  
Cool endangered containers with water spray jet.  
Do not allow water used to extinguish fire to enter drains, ground or waterways.  
For that reason, provide adequate installations to retain fire water. Disposal of contaminated water and earth must take place according to local regulations.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment.  
Avoid contact with skin, eyes, and clothing.  
Take off contaminated clothing and wash it before reuse.  
Keep unprotected people away. Provide adequate ventilation.  
In case of warming: Do not breathe vapours.

Environmental precautions:

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

### 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:

Wear appropriate protective equipment.  
Avoid contact with skin, eyes, and clothing.  
Provide good ventilation in the work area.  
Take off contaminated clothing and wash it before reuse.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.  
In case of warming: Do not breathe vapours.

Precautions against fire and explosion:

Keep away from sources of ignition.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place. Keep container dry. storage temperature-18 °C up to 5 °C.

Hints on joint storage:

keep away from: Strong oxidizing agents,, amines, strong acids, bases  
Keep away from food, drink and animal feedingstuffs.

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### 8 Exposure controls/Personal protection

#### Control parameters

Occupational exposure limit values:

| Type                        | Limit value   |
|-----------------------------|---|
| Canada: Alberta, OEL 8 hour | 0.4 mg/m <sup>3</sup> (charcoal)  |
| Canada: Alberta, OEL 8 hour | 0.9 mg/m <sup>3</sup> (Bituminous), (Anthracite), (respirable fraction) |
| Canada: BC, OEL TWA         | 0.4 mg/m <sup>3</sup> (charcoal; respirable fraction)                   |
| Canada: BC, OEL TWA         | 0.9 mg/m <sup>3</sup> (Bituminous, respirable fraction)                 |

#### Appropriate engineering controls

Requires good ventilation.

Processing (In case of warming): receptor hood for fumes/vapours.

#### Individual protection measures, such as personal protective equipment

|                                 |  |
|---------------------------------|--|
| Respiratory protection:         | In case of insufficient ventilation, wear suitable respiratory equipment.<br>In case of dust formation: Particulates filter N100 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.  |
| Hand protection:                | Protective gloves according to OSHA Standard - 29 CFR: 1910.138<br>Observe glove manufacturer's instructions concerning penetrability and breakthrough time.   |
| Eye protection:                 | Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.   |
| Body protection:                | Wear suitable protective clothing.   |
| General hygiene considerations: | Avoid contact with skin and eyes.<br>When using do not eat, drink or smoke.<br>Keep away from food, drink and animal feedingstuffs.<br>Wash hands before breaks and after work.<br>Take off contaminated clothing and wash it before reuse.<br>In case of warming: Do not breathe vapours.<br>Have eye wash bottle or eye rinse ready at work place. |

#### 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                     | solid               |
| Colour:   | Varying colours     |
| Odour:  | weak Characteristic |
| Odour threshold:  | No data available   |
| Melting point and freezing point:                         | No data available   |
| Boiling point or initial boiling point and boiling range: | No data available   |

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|  |                   |
|--|-------------------|
| Flammability:  | No data available |
| Lower and upper explosion limit or lower and upper flammability limit: | No data available |
| Flash point/flash point range:   | Not applicable    |
| Evaporation rate:  | No data available |
| Auto-ignition temperature:   | No data available |
| Decomposition temperature:   | No data available |
| pH:  | Not applicable    |
| Solubility:  | No data available |
| 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:  | No data available |

### Additional information

|                         |                   |
|-------------------------|-------------------|
| Additional information: | No data available |
|-------------------------|-------------------|

## 10 Stability and reactivity

|                                     |  |
|-------------------------------------|--|
| Reactivity:                         | Refer to subsection "Possibility of hazardous reactions".  |
| Chemical stability:                 | Sensitive to heat and warmth.<br>Stable under recommended storage conditions.  |
| Possibility of hazardous reactions: | In case of warming: Polymerization along with heat production.<br>While curing will be generated: heat (exothermic reaction) |
| Conditions to avoid:                | heat   |
| Incompatible materials:             | Strong oxidizing agents, amines, strong acids, bases   |
| Hazardous decomposition products:   | No hazardous decomposition products when regulations for storage and handling are observed.                                  |

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### 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

In case of ingestion: Ingestion is not considered a possible route of exposure.

After contact with skin: Causes skin irritation.

May cause an allergic skin reaction.

Repeated exposure may cause skin dryness or cracking, due to defatting properties.

Other symptoms: Reddening.

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

### 12 Ecological information

#### Ecotoxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

#### Persistence and degradability

Further details: No data available

#### Bioaccumulative potential

Partition coefficient — n-octanol/water:

No data available

#### Mobility in soil

No data available

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### Other adverse effects

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

## 13 Disposal considerations

### Waste treatment methods

#### Product

Recommendation: Special waste. Incinerate according to applicable local, state and federal regulations.

#### Package

Recommendation: Special waste. Incinerate according to applicable local, state and federal regulations.

## 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

### 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.

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### 15 Regulatory information

#### National regulations - Canada

Bisphenol A epoxy resin (molecular-weight < 700): DSL: listed  
Bisphenol-A-epichlorohydrin resin, Molar mass: >= 700: DSL: listed  
Bisphenol-F-epichlorohydrin resin: DSL: listed  
Bisphenol A - 4-tert-Butylphenol - Epichlorohydrin polymer: DSL: listed

#### Further regulations, limitations and legal requirements

No data available

### 16 Other information

See information supplied by the manufacturer.

Revision date: 17/12/2025

Date of first version: 27/10/2002

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)

#### 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  
DSL: Domestic Substances List  
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  
MFSU: Manufacture, formulation, supply and use  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
TDG: Transportation of Dangerous Goods Regulation in Canada  
TRGS: Technical Rules for Hazardous Substances  
TSCA: Toxic Substance Control Act  
vPvB: Very persistent and very bioaccumulative

#### 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.