

## 1 Identification

### Product identifier

Trade name: SL-1 - ADP, SP II, GM, Footplates

### Recommended use and restrictions on use

General use: Reserved for industrial and professional use.  
For orthopedic procedures.  
Article: Carbon epoxy prepreg

### 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

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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

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

Following information applies to the component bisphenol epoxy resins:  
Irritating to eyes and respiratory system. May cause sensitization by skin contact.  
Processing by heating can produce vapors.  
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: Article Formulated epoxy resin impregnated material with Carbon Fiber (PAN based)

Hazardous ingredients:

CAS No.	Designation	Content	Classification
	Formulated Epoxy Resin	25 - 40 %	Skin Irritation 2. Eye Irritation 2A. Sensitization - skin 1. Aquatic toxicity - chronic 2.

The actual concentration or concentration range is withheld as a trade secret.

### 4 First-aid measures

#### Description of necessary first-aid measures

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

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

When dust and vapours form: Rinse mouth with water. Do not induce vomiting without medical assistance. Seek medical attention.

In case of skin contact: After contact with skin, wash with soap and plenty of water.  
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

Fibers and dust:

Skin irritation, mucous membrane irritation, eye irritations.

In case of inhalation:

When dust and vapours form: May cause sensitization by inhalation. Can irritate the mucous membrane.

In case of ingestion: In case of dust: Can damage your health.

Other symptoms: Abdominal pain, nausea, pain, vomiting.

After contact with skin: Irritant

May cause sensitization by skin contact.

After eye contact: Mild irritant.

#### 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, extinguishing powder, foam, carbon dioxide

Unsuitable extinguishing media:

Full water jet

### Specific hazards arising from the product

In case of fire may be liberated: Carbon monoxide and carbon dioxide. May form toxic materials.

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

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Cool endangered containers with water spray and, if possible, remove from danger zone. Use water spray jet to knock down vapours. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water. Carbon Fiber is electrically conductive. It can cause short circuits within electrical equipment, if material dusts penetrate into the ambient air.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Eliminate all ignition sources if safe to do so. Avoid generation of dust. Avoid contact with skin, eyes, and clothing. Wear appropriate protective equipment. Keep unprotected people away. Provide adequate ventilation.

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. Dispose of waste according to applicable legislation.

## 7 Handling and storage

### Precautions for safe handling

Advices on safe handling: Provide good ventilation in the work area. Avoid generation of dust. Avoid contact with skin, eyes, and clothing. Wear appropriate protective equipment. When using do not eat, drink or smoke.

Precautions against fire and explosion:

Carbon Fiber is electrically conductive. It can cause short circuits within electrical equipment, if material dusts penetrate into the ambient air. Take standard precautions to prevent fire.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Keep container dry. Keep at temperature not exceeding 37 °F = ca. 3°C °C.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

### 8 Exposure controls/Personal protection

#### Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
65997-17-3	SL-1 - ADP, SP II, GM, Footplates	Canada: Alberta, OEL 8 hour	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
		Canada: Alberta, OEL 8 hour	3 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
		Canada: BC, OEL TWA	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
		Canada: BC, OEL TWA	3 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
		Canada: Québec, VEMP	10 mg/m <sup>3</sup> (total dust)
		Canada: Québec, VEMP	3 mg/m <sup>3</sup> (total dust, respirable fraction)
		Canada: Alberta, OEL 8 hour	1 fibers/cm <sup>3</sup> (Glass Fibres, Continuous filament)
		Canada: Alberta, OEL 8 hour	5 mg/m <sup>3</sup> (Glass Fibres, continuous filament, total particulate, inhalable fraction)
	Fiber (Carbon Fiber or Glass Fiber)	Canada: BC, OEL TWA	1 fibers/cm <sup>3</sup> (Synthetic vitreous fibres, Continuous filament glass fibres)
		Canada: BC, OEL TWA	5 mg/m <sup>3</sup> (Synthetic vitreous fibres, Continuous filament glass fibres, inhalable fraction)
		Canada: Ontario, OEL TWA	1 fibers/cm <sup>3</sup> (Synthetic vitreous fibres, Continuous filament glass fibres)
		Canada: Ontario, OEL TWA	5 mg/m <sup>3</sup> (Synthetic Vitreous Fibres (Man Made Mineral Fibres), Continuous filament glass fibres)
		Canada: Québec, VEMP	1 fibers/cm <sup>3</sup> (continuous filament)

#### Appropriate engineering controls

Provide good ventilation and/or an exhaust system in the work area.

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

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

Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection is required when product is heated to 120°F = 48°C or above. At dust: Respiratory protection mask with filter for particulates
Hand protection:	protective gloves according to OSHA Standard - 29 CFR: 1910.138. 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:	Recommended: Wear suitable protective clothing.

### General hygiene considerations:

Avoid contact with skin, eyes, and clothing. Wash hands before breaks and after work.  
When using do not eat, drink or smoke.

In case of warming: Do not breathe vapours. 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	Form: solid, resin impregnated material
Colour:	black
Odour:	nearly odourless
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
Flammability:	No data available
Lower and upper explosion limit or lower and upper flammability limit:	LEL (Lower Explosion Limit): n.a. UEL (Upper Explosive Limit): n.a.
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Auto-ignition temperature:	not self-igniting
Decomposition temperature:	No data available
pH:	No data available
Water solubility:	at 20 °C: 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

Explosive properties:	Product is not explosive.
Solvent content:	<= 2 %

## 10 Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions., but has reactivity.
Possibility of hazardous reactions:	No hazardous reactions known.
Conditions to avoid:	Keep away from heat.

Incompatible materials: Avoid contact with strong acids, strong bases and oxidizing agents.

Hazardous decomposition products:

In case of fire may be liberated:

Carbon monoxide and carbon dioxide. May form toxic materials.

## 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.

Other information:

May cause sensitization by skin contact.

For mechanical processing: dust formation.

### Symptoms

Fibers and dust:

Skin irritation, mucous membrane irritation, eye irritations.

In case of inhalation:

When dust and vapours form: May cause sensitization by inhalation. Can irritate the mucous membrane.

In case of ingestion: In case of dust: Can damage your health.

Other symptoms: Abdominal pain, nausea, pain, vomiting.

After contact with skin: Irritant

May cause sensitization by skin contact.

After eye contact: Mild irritant.

## 12 Ecological information

### Ecotoxicity

Further details:

No data available

### Persistence and degradability

Further details: Product is partially biodegradable.

### Bioaccumulative potential

Partition coefficient — n-octanol/water:  
No data available

### Mobility in soil

No data available

### 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. Dispose of waste according to applicable legislation.

#### Package

Recommendation: Dispose of waste according to applicable legislation.

## 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.

## 15 Regulatory information

### National regulations - Canada

No data available

### Further regulations, limitations and legal requirements

No data available

## 16 Other information

Text for labelling: Contains epoxy containing compounds: May produce an allergic reaction.  
See information supplied by the manufacturer.

Revision date: 17/12/2025

Date of first version: 3/2/2002

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:

Aquatic toxicity - chronic: Hazardous to the aquatic environment - chronic  
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  
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods  
EN: European Standard  
EQ: Excepted quantities  
Eye Irritation: Eye irritation  
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  
LEL: Lower Explosion Limit  
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  
Sensitization - skin: Skin sensitisation  
Skin Irritation: Skin irritation  
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



# SAFETY DATA SHEET

according to Hazardous Products Regulations (HPR) 2022

## SL-1 - ADP, SP II, GM, Footplates

Material number SL-1

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### 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.