

1 Identification

Product identifier

Trade name: 617Sx1 - PU-flexible foam

Other means of identification

This safety data sheet pertains to the following products:

3R24 - PU-Flexible Foam

3R48 - PU-Flexible Foam

3R6 - PU-Flexible Foam

3S106 - PU-Flexible Foam

3S107 - PU-Flexible Foam

3S124 - PU-Flexible Foam

3S26 - PU-Flexible Foam

6R6=B - PU-Flexible Foam

6R7 - PU-Flexible Foam

617S119 - Dyatec

617S67 - PPT, Perforated

617S68 - PPT

Recommended use and restrictions on use

General use: Article for orthopedic procedures

Pads:

617S119, 617S67, 617S68

Foam cover:

3R24, 3R48, 3R6, 3S106, 3S107, 3S124, 3S26, 6R6=B, 6R7

Initial supplier identifier

Company name: Otto Bock HealthCare Canada Ltd.

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Canada

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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

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.

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

3 Composition/Information on ingredients

Material/substance

Chemical name: Article: polyurethane-flexible foam

CAS-Number: 9009-54-5

4 First-aid measures

Description of necessary first-aid measures

In case of inhalation: In case of troubles after inhalation of dust:

Move victim to fresh air. Seek medical attention.

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

Polyurethane-dust:

If person is clearly conscious, have them drink two glasses of water to dilute ingested material.

Seek medical attention.

In case of eye contact: Polyurethane-dust:

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

Most important symptoms and effects, whether acute or delayed

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

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, carbon dioxide.

Unsuitable extinguishing media:

Full water jet

Specific hazards arising from the product

In case of fire may be liberated:

Nitrous fumes, carbon monoxide and carbon dioxide.

Special protective equipment and precautions for fire-fighters

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: NFPA Sprinkler Classification: Extra Hazard

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Do not breathe dust.

In the case of the formation of dust: Wear appropriate protective equipment.

Environmental precautions:

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

Methods and material for containment and cleaning up

Polyurethane-dust:

Take up mechanically, placing in appropriate containers for disposal.

Avoid generation of dust.

7 Handling and storage

Precautions for safe handling

Advices on safe handling: For mechanical processing:

Avoid respiration of swarf. Wear appropriate protective equipment.

Provide adequate ventilation.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store at room temperature. Keep container dry.

8 Exposure controls/Personal protection

Control parameters

Occupational exposure limit values:

Type	Limit value
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	3 mg/m ³ (total dust, respirable fraction)

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

Respiratory protection: For mechanical processing: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Dust mask filter P according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2

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.

Body protection: Suitable protective clothing.

General hygiene considerations:
For mechanical processing:
Do not breathe dust.
Wash hands before breaks and after work.
Provide a conveniently located eye rinse station.

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:	varying colours, skin-coloured: 3R24, 3R48, 3R6, 3S106, 3S107, 3S124, 3S26, 6R6=B, 6R7, 617S67, 617S68 red: 617S119
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

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: 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.

10 Stability and reactivity

Reactivity: No data available

Chemical stability: Product is stable under normal storage conditions.

Possibility of hazardous reactions: No hazardous reaction when handled and stored according to provisions.

Conditions to avoid: Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.

Incompatible materials: No data available

Hazardous decomposition products:
In case of fire may be liberated:
Nitrous fumes, carbon monoxide and carbon dioxide.
Not readily flammable according to DIN 75200:
3R24, 3R48, 3R6, 3S106, 3S107, 3S124, 3S26, 6R6=B, 6R7

11 Toxicological information

Information on the likely routes of exposure

In case of inhalation: Polyurethane-dust: May cause irritations.

In case of swallowing: Polyurethane-dust: After intake of large amounts: nausea, vomiting.

In case of eye contact: Polyurethane-dust: May cause irritations.

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.

Acute toxicity:

LD50 Rat, oral: > 5,000 mg/kg

Symptoms

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

12 Ecological information

Ecotoxicity

Further details: No data available

Persistence and degradability

Further details: No data available

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

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

Revision date: 17/12/2025

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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
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
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
TDG: Transportation of Dangerous Goods Regulation in Canada
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
TSCA: Toxic Substance Control Act
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

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.