

**617Sx1 - PU-flexible foam**

Material number 617Sx1

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**1. Product and company identification****Product identifier**

Trade name: 617Sx1 - PU-flexible foam

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

General use: Article for orthopedic procedures  
Pads:  
617S119, 617S67, 617S68  
Foam cover:  
3R24, 3R48, 3R6, 3S106, 3S107, 3S124, 3S26, 6R6=B, 6R7

**Details of the supplier of the safety data sheet**

Company name: Otto Bock Health Care  
Street/POB-No.: 3820 W. Great Lakes Drive  
Postal Code, city: Salt Lake City, UT 84120  
USA  
WWW: [www.ottobockus.com](http://www.ottobockus.com)  
Telephone: +1 (801) 956-2400  
Telefax: +1 (801) 956-2401  
Dept. responsible for information:  
Quality Department,  
Telephone: +1 (801) 954-2304 (7 AM – 3 PM, Mountain Time),  
Email: [USRegulatory@ottobock.com](mailto:USRegulatory@ottobock.com)

Additional information: 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

Corporate headquarters:  
Ottobock SE & Co. KGaA  
Max-Näder-Straße 15  
Duderstadt  
Germany

**Emergency phone number****CHEMTREC, Telephone: +1 (800) 424-9300**

## 2. Hazards identification

### Emergency overview

Appearance: Form: solid  
 Color: varying colors, flesh-colored:  
 3R24, 3R48, 3R6, 3S106, 3S107, 3S124, 3S26, 6R6=B, 6R7, 617S67, 617S68  
 red:  
 617S119

Odor: weak characteristic

Classification: This substance is classified as not hazardous.

### Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

### Hazards not otherwise classified

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.  
 see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterization: Article: polyurethane-flexible foam

CAS-Number: 9009-54-5

RTECS-Number: TR7875000

## 4. First aid measures

In case of inhalation: In case of troubles after inhalation of dust:  
 Move victim to fresh air. Seek medical attention.

After eye contact: Polyurethane-dust:  
 Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After swallowing: Swallowing is not regarded as a possible way of exposition.  
 Polyurethane-dust:  
 If person is clearly conscious, have them drink two glasses of water to dilute ingested material.  
 Seek medical attention.

### 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.

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**5. Fire fighting measures**

Flash point/flash point range:

No data available

Auto-ignition temperature: not self-igniting

Suitable extinguishing media:

Water spray jet, Extinguishing 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:

Nitrous fumes, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

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: 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 for clean-up: Polyurethane-dust:

Take up mechanically, placing in appropriate containers for disposal.

Avoid generation of dust.

**7. Handling and storage****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.

**Storage**

Requirements for storerooms and containers:

Store at room temperature. Keep container dry.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

Type	Limit value
USA: ACGIH: TWA	10 mg/m <sup>3</sup>
USA: ACGIH: TWA	3 mg/m <sup>3</sup>
USA: OSHA: TWA	15 mg/m <sup>3</sup>
USA: OSHA: TWA	5 mg/m <sup>3</sup>

### Engineering controls

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

See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

- Eye/face protection: For mechanical processing:  
Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
- Skin protection: Suitable protective clothing.  
For mechanical processing:  
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- 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

General hygiene considerations:

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

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

- Appearance: Form: solid  
Color: varying colors, flesh-colored:  
3R24, 3R48, 3R6, 3S106, 3S107, 3S124, 3S26, 6R6=B, 6R7, 617S67, 617S68  
red:  
617S119
- Odor: weak characteristic
- Odor threshold: No data available
- pH value: No data available

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Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Water solubility:	at 68 °F: insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	not self-igniting
Thermal decomposition:	No data available
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
Thermal decomposition:	No data available

**11. Toxicological information**

**Toxicological tests**

Acute toxicity:	LD50 Rat, oral: > 5000 mg/kg
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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.
In case of inhalation:	Polyurethane-dust: May cause irritations.
After swallowing:	Polyurethane-dust: After intake of large amounts: nausea, vomiting.
After eye contact:	Polyurethane-dust: May cause irritations.

**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

**Mobility in soil**

No data available

**Persistence and degradability**

Further details: No data available

**Additional ecological information**

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

**13. Disposal considerations****Product**

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

**Contaminated packaging**

Recommendation: Dispose of waste according to applicable legislation.

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**14. Transport information****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**

TSCA Inventory: not listed

Carcinogen Status:

IARC Rating: Group 3

OSHA Carcinogen: not listed

NTP Rating: not listed

**National regulations - Great Britain**

Hazchem-Code: -

**16. Other information**

Hazard rating systems:



NFPA Hazard Rating:

Health: 0 (Minimal)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 0 (Minimal)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change: Changes in section 1.3: Corporate headquarters

Date of first version: 9/24/2008

**Department issuing data sheet**

Contact person: see section 1: Dept. 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.