

## 1. Product and company identification

### Product identifier

Trade name: WP001 - Wooden parts

This safety data sheet pertains to the following products:

Article No. 6P1: SOCKET BLOCK -POPLAR WOOD-

Article No. 10A40: Wrist Connector of wood

Article No. 2K\*: Shaped Ankle Block

Article No. 3P\*: Knee-Shin Component

Article No. 512A1=\*: Wooden Half Disk

Article No. 5R1=1: Socket Attachment Block

Article No. 5R1=2: Socket Attachment Block

Article No. 5R1=6: Socket Attachment Block

Article No. 5R1=6-H: Socket Attachment Block

### Recommended use and restrictions on use

General use: Article: Wooden parts for orthopedic procedures

### 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

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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 phone number

**COLLECT, Telephone: (613) 996-6666**

**Transport:**

**CONSULTANK Lutz Harder GmbH (Contract QUALI003)**

**Telephone: +49 (0)178-4337434 (from USA: 01149 178 4337434)**

## 2. Hazards identification

### Emergency overview

Appearance: Form: solid  
Color: light up to dark

Odor: like wood

Classification: Article not subject to hazard labeling or classification.

## Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and WHMIS 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.  
see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterisation: Article: Wood, wooden parts

## 4. First aid measures

General information: For mechanical processing: dust formation.

In case of inhalation: Move victim to fresh air. Seek medical attention if irritation persists.

Following skin contact: After contact with skin, wash with soap and plenty of water. Seek medical treatment in case of troubles.

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: Ingestion is not considered a possible route of exposure.  
In case of dust: Rinse mouth with water. Do not induce vomiting without medical assistance. Seek medical attention.

## Most important symptoms and effects, both acute and delayed

In case of inhalation: In case of dust: Can irritate the mucous membrane.  
In case of ingestion: In case of dust: Can damage your health.  
After eye contact: In case of dust: slightly irritant

## Information to physician

Treat symptomatically.

## 5. Fire fighting measures

Flash point/flash point range: No data available

Auto-ignition temperature: 204 - 260 °C

Suitable extinguishing media: Water spray jet

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:  
Aldehydes, aromatic hydrocarbons, carbon monoxide and carbon dioxide.  
Wood-dust: On contact with air, potentially explosive mixtures may develop.

Special protective equipment and precautions for fire-fighters:

Wear self-contained breathing apparatus. Wear appropriate protective equipment.

Additional information:

Cool endangered containers with water spray and, if possible, remove from danger zone. Use water spray jet to knock down vapors. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

## 6. Accidental release measures

Personal precautions:

Eliminate all ignition sources if safe to do so. Avoid generation of dust.

In case of dust: Do not breathe dust. Wear appropriate protective equipment. Use appropriate respiratory protection.

Environmental precautions:

Discharge into the environment must be avoided.

Methods for clean-up:

Take up carefully when dry. Dispose of in accordance with the regulations.

## 7. Handling and storage

### Handling

Advices on safe handling:

For mechanical processing:

Provide adequate ventilation, and local exhaust as needed.

Use local exhaust in the field of the processing equipment.

Avoid generation of dust. Avoid contact with skin and eyes. Do not breathe dust.

Wear suitable protective clothing. When using do not eat, drink or smoke.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

Avoid open flames. Protect from excessive heat.

Take standard precautions to prevent fire.

### Storage

Requirements for storerooms and containers:

Store at room temperature. Store in a dry place.

Hints on joint storage:

Do not store together with oxidizing agents.

Keep away from food, drink and animal feedingstuffs.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

Type	Limit value
Canada: OEL STEL	10 mg/m <sup>3</sup> (softwood)
Canada: OEL TWA	2.5 mg/m <sup>3</sup>
Canada: OEL TWA	5 mg/m <sup>3</sup> (softwood)
Canada: VEMP	5 mg/m <sup>3</sup> (hard and soft wood, except red cedar; total dust)
USA: ACGIH: TWA	1 mg/m <sup>3</sup> (inhalable fraction)
USA: NIOSH: TWA	1 mg/m <sup>3</sup> (wood, Dusts)

### Engineering controls

For mechanical processing:

Use local exhaust in the field of the processing equipment. The use of local exhaust ventilation is recommended.

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:

For mechanical processing: Wear suitable protective clothing.

For mechanical processing:

combination Protective gloves against mechanical risks according to EN 388 and Chemically resistant glove according to EN 374 Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Respiratory protection:

For mechanical processing: Dust mask.

Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. filter P2 or FFP2 (EN 141) OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations:

Avoid generation of dust. Keep away from sources of ignition - No smoking. Wash hands before breaks and after work.

For mechanical processing:

Avoid contact with skin and eyes. Do not breathe dust.

When using do not eat or drink.

Keep all containers, equipment and working place clean.

### Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:

Form: solid

Color: light up to dark

Odor:

like wood

Odor threshold:

No data available

pH:

No data available

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:

combustible

Explosion limits:

LEL (Lower Explosion Limit): wood-dust: 40,0 g/m<sup>3</sup>

Vapor pressure:

No data available

Vapor density:

No data available

Density:

approx. 0.55 - 0.65 mg/cm<sup>3</sup>

Water solubility:

insoluble

Partition coefficient: n-octanol/water:

No data available

Auto-ignition temperature: 204 - 260 °C  
 Thermal decomposition: No data available  
 Additional information: No data available

## 10. Stability and reactivity

Reactivity: No data available  
 Chemical stability: Stable under recommended storage conditions.  
 Possibility of hazardous reactions:  
     None  
     Dust (wood): On contact with air, potentially explosive mixtures may develop.  
 Conditions to avoid: Keep away from sources of ignition - No smoking. Avoid open flames.  
     Avoid generation of dust.  
 Incompatible materials: Oxidizing agents  
 Hazardous decomposition products:  
     In case of fire may be liberated:  
     Aldehydes, aromatic hydrocarbons, carbon monoxide and carbon dioxide.  
 Thermal decomposition: No data available

## 11. Toxicological information

### Toxicological tests

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: Wood-dust:  
     May cause irritations. The following symptoms may occur: throat dryness, dust deposits, sneeze, cough, hoarseness, pain.  
     In case of prolonged exposure:  
     May cause cancer by inhalation. (Nasal and paranasal cancer.) May cause chronic bronchitis and permanent allergic reactions.

After swallowing: Wood-dust:  
The following symptoms may occur: Gastrointestinal irritation.

Following skin contact: Wood-dust:  
Frequent or prolonged skin contact may cause irritation and inflammation.  
In case of prolonged exposure: May produce an allergic reaction.

After eye contact: Wood-dust:  
May cause irritations. Upon direct contact with eyes may cause burning, tearing, redness.

Other information: Dust (wood):  
May cause sensitisation especially in sensitive humans.

### Symptoms

In case of inhalation: In case of dust: Can irritate the mucous membrane.  
In case of ingestion: In case of dust: Can damage your health.  
After eye contact: In case of dust: slightly irritant

## 12. Ecological information

### Ecotoxicity

Further details: Product is biodegradable.

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available

### Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

General information: Discharge into the environment must be avoided.

## 13. Disposal considerations

### Product

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

### Package

Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

## 14. Transport information

### UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

### UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

### Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

### Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

### Environmental hazards

Marine pollutant:

no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

### USA: Department of Transportation (DOT)

Proper shipping name:

Not restricted

### 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

### National regulations - U.S. Federal Regulations

This product is an article as defined by TSCA regulations, and is exempt from TSCA inventory listing requirements.

### National regulations - U.S. State Regulations

California Proposition 65: cancer

### National regulations - EC member states

EC-number:

-

Further regulations, limitations and legal requirements:

European directive 2004/37-EC annex I Nr. 5: hardwood-dust carcinogen

## 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

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  
 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  
 LEL: Lower Explosion Limit  
 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  
 RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
 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  
 WHMIS: Workplace Hazardous Materials Information System

Literature: - IARC, Vol. 62: Wood, Dust and Formaldehyde, Lyon, 1995

Reason of change: General revision

Date of first version: 13/6/2007

### 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.