

WP001 - Wooden parts

Material number WP001

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

Trade name: WP001 - Wooden parts

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

General use: Article: Wooden parts for orthopedic procedures

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

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

Additional information: 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

Emergency phone number**CHEMTREC, Telephone: +1 (800) 424-9300****2. Hazards identification****Emergency overview**Appearance: Form: solid
Color: light up to dark

Odor: like wood

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.

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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 chapter 7: Handling, chapter 8: Exposure controls / personal protection and chapter 11: Toxicology.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: 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: Swallowing is not regarded as a possible way of exposition.
In case of dust: Rinse mouth with water. Do not induce vomiting without medical assistance. Seek medical attention.

Most important symptoms/effects, 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: 399.2 - 500 °F

Suitable extinguishing media: Water fog

Extinguishing media which must not be used for safety reasons: High power 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.

Protective equipment and precautions for firefighters:
Wear self-contained breathing apparatus. Wear protective equipment.

Additional information: Cool endangered containers with water spray and, if possible, remove from danger zone.
Use a water fog to control 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 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 |
|-----------------|---------------------|
| USA: ACGIH: TWA | 1 mg/m ³ |
| USA: NIOSH: TWA | 1 mg/m ³ |

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:
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.
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.

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 value: | 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 ³ |
| Vapor pressure: | no data available |
| Vapor density: | no data available |
| Density: | approx. 0.55 - 0.65 mg/cm ³ |
| Water solubility: | insoluble |
| Partition coefficient: n-octanol/water: | no data available |
| Auto-ignition temperature: | 399.2 - 500 °F |
| 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.

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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.
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

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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.

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

Following information applies to the component wood-dust:

IARC Monographs: Group 1

NTP Carcinogen: listed

OSHA Carcinogen: listed

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National regulations - U.S. State RegulationsCalifornia Proposition 65: cancer
Rhode Island HSL: 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 |

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

Reason of change: Changes in section 1: Address

Date of first version: 6/27/2007

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.