

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 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

EC-number: -

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

General use: Article: Wooden parts for orthopaedic procedures

1.3 Details of the supplier of the safety data sheet

Company name: Ottobock SE & Co. KGaA

Street/POB-No.: Max-Näder-Straße 15

Postal Code, city: 37115 Duderstadt

Germany

E-mail: export@ottobock.de

Telephone: +49 (0)5527 848-0

Telefax: +49 (0)5527 72330

Department responsible for information:

Arbeitssicherheit, Telephone: 05527-848-0, e-mail: Arbeitssicherheit@ottobock.de

Only available during office hours.

1.4 Emergency telephone number

Telephone: +49 (0)5527 848-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This substance is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

2.3 Other hazards

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.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterisation: Article: Wood, wooden parts

EC-number: -

SECTION 4: First aid measures

4.1 Description of 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.

4.2 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

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray jet

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

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.

5.3 Advice for firefighters

Special protective equipment for firefighters:

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 vapours. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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.

6.2 Environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe 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.

7.2 Conditions for safe storage, including any incompatibilities

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.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information:

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

For mechanical processing:

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

Personal protection equipment

Occupational exposure controls

Respiratory protection:

For mechanical processing: Dust mask.

Respiratory protection must be worn whenever the WEL levels have been exceeded. filter P2 or FFP2 (EN 141).

Hand protection: For mechanical processing:
combination Protective gloves against mechanical risks according to EN 388
and Chemically resistant glove according to EN 374.

Eye protection: For mechanical processing:
Tightly sealed goggles according to BS EN ISO 16321-1:2022

Body protection: For mechanical processing: Wear suitable protective clothing.

General protection and hygiene measures:
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 "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	Form: solid
Colour:	light up to dark
Odour:	like wood
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	combustible
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): wood-dust: 40,0 g/m ³
Flash point/flash point range:	No data available
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	No data available
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	approx. 0.55 - 0.65 mg/cm ³
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	204 - 260 °C
Evaporation rate:	No data available
Additional information:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None

Dust (wood): On contact with air, potentially explosive mixtures may develop.

10.4 Conditions to avoid

Keep away from sources of ignition - No smoking. Avoid open flames.

Avoid generation of dust.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

In case of fire may be liberated:

Aldehydes, aromatic hydrocarbons, carbon monoxide and carbon dioxide.

Thermal decomposition:

No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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.

11.2 Information on other hazards

Endocrine disrupting properties: No data available

 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

SECTION 12: Ecological information

12.1 Toxicity

Further details: Product is biodegradable.

12.2 Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information: Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 03 01 05 = Wastes from wood processing and the production of panels and furniture.

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.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:

Not restricted

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:

not applicable

14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG:

no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations - EC member states

Volatile organic compounds (VOC):

0 % by weight

Further regulations, limitations and legal requirements:

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

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other information

Literature:

- European directive 2004-37-EC annex I Nr. 5
- IARC, Vol. 62: Wood, Dust and Formaldehyde, Lyon, 1995

Reason of change:

General revision

Date of first version:

27/6/2007

Department issuing data sheet: see section 1: Department responsible for information

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
- EN: European Standard
- EQ: Excepted quantities
- EU: European Union
- 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
- 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
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- TLV: Threshold Limit Value
- TRGS: Technical Rules for Hazardous Substances
- vPvB: Very persistent and very bioaccumulative
- WEL: Workplace Exposure Limit

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.