



# SAFETY DATA SHEET

according to HCS 2024 (29 CFR 1910.1200)

## 007G/U - Stainless Steel, Nickel-plated

Material number 007G/U

Revision date: 3/2/2026  
Version: 8.6  
Replaces version: 8.5  
Language: en-US  
Date of print: 5/29/2026

Page: 1 of 8

### 1. Identification

#### Product identifier

Trade name: 007G/U - Stainless Steel, Nickel-plated

This safety data sheet pertains to the following products:

7G3 - Nickel-plated Prosthetic Joint Bars for Knee Disarticulation

7U15 - Nickel-plated Prosthetic Joint Bars, medium duty

7U15=K - Nickel-plated Prosthetic Joint Bars, medium duty

7U25 - Nickel-plated Prosthetic Joint Bars, medium duty

7U26 - Nickel-plated Prosthetic Joint Bars, light duty

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

General use: Refined steel-Article, Coating agent: Nickel  
For orthopedic procedures.  
Reserved for industrial and professional use.

#### Details of the supplier of the safety data sheet

Company name: Otto Bock Health Care  
Street/POB-No.: 3820 W. Great Lakes Drive  
Zip 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

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

#### Emergency telephone number

CHEMTREC, Telephone: +1 (800) 424-9300

### 2. Hazard identification

#### Classification of the substance or mixture

Article not subject to hazard labelling or classification.

#### Label elements

not applicable

### Other hazards

Coating agent Nickel: May cause sensitisation especially in sensitive humans.

For mechanical processing:

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.

Nickel-Powder:

May cause an allergic skin reaction. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

## 3. Composition/information on ingredients

### Mixtures

Chemical characterization: Article of steel, stainless, coating agent: Nickel

## 4. First aid measures

In case of inhalation:	In case of troubles after inhalation of dust: Move victim to fresh air. Seek medical attention.
Following skin contact:	Metal-dust: Wash with plenty of water.
After eye contact:	Metal-dust: With eyelids open, wash out eyes for several minutes under flowing water. In case of troubles or persistent symptoms, consult an ophthalmologist.
After swallowing:	Ingestion is not considered a possible route of exposure. Metal-dust: Rinse mouth and drink large quantities of water. Seek medical attention if problems persist.

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

For mechanical processing:

Formation of potentially hazardous splinters.

In case of eye contact / In case of skin contact / In case of inhalation:

Dust: May cause irritations.

Nickel-Powder: May cause an allergic skin reaction.

### Information to physician

Treat symptomatically.

## 5. Fire-fighting measures

### Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

Use extinguishing material as appropriate for the surrounding area.

### Specific hazards arising from the chemical

Product is non-combustible.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Provide adequate ventilation.  
In the case of the formation of dust: Wear protective equipment. Do not breathe dust.  
Avoid contact with skin and eyes.

Environmental precautions:

Discharge into the environment must be avoided.

### Methods and material for containment and cleaning up

Methods for clean-up: Metal parts/dust:  
Take up mechanically, placing in appropriate containers for disposal.

## 7. Handling and storage

### Precautions for safe handling

Advices on safe handling: For mechanical processing:  
Avoid respiration of swarf. Wear appropriate protective equipment.  
Avoid contact with skin and eyes. Provide adequate ventilation.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:  
Store in a dry place.

## 8. Exposure controls/personal protection

### Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7440-02-0	007G/U - Stainless Steel, Nickel-plated	USA: ACGIH: TWA	10 mg/m <sup>3</sup> (Dust limit value, inhalable fraction)
		USA: ACGIH: TWA	3 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
		USA: OSHA: TWA	15 mg/m <sup>3</sup> (Dust limit value, total dust)
		USA: OSHA: TWA	5 mg/m <sup>3</sup> (Dust limit value, respirable fraction)
	Nickel	USA: ACGIH: TWA	1.5 mg/m <sup>3</sup> (metal, inhalable fraction)
		USA: IDLH: TWA	10 Ni/m <sup>3</sup>
		USA: NIOSH: TWA	0.015 mg/m <sup>3</sup>
		USA: OSHA: TWA	1 mg/m <sup>3</sup> (metal and insoluble compounds)
		USA: OSHA: TWA	1 mg/m <sup>3</sup> (metal and soluble compounds)

### Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
7440-02-0	Nickel	USA: ACGIH-BEI, urine	30 µg/L	Nickel after exposure to soluble compounds	end of shift at end of work week
		USA: ACGIH-BEI, urine	5 µg/L	Nickel after exposure to elemental Nickel and poorly soluble compounds	end of shift at end of work week

Additional information: Nickel: bound in the product

### Appropriate engineering controls

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

### Personal protection equipment (PPE)

Respiratory protection:	For mechanical processing: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Particulates filter P2 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. Glove material: nitrile rubber-Breakthrough time: 480 min.
Eye protection:	For mechanical processing: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010 or ANSI Z87.1-2003. or face protection shield.
Body protection:	For mechanical processing: Wear suitable protective clothing.
General hygiene considerations:	For mechanical processing: Do not breathe dust. Avoid contact with skin and eyes. 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 68 °F and 101.3 kPa	Form: solid, in pieces
Color:	silver gray
Odor:	odorless
Odor threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Explosion limits:	No data available

Flash point/flash point range:	not combustible
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	No data available
Viscosity:	No data available
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Vapor pressure:	No data available
Density:	No data available
Vapor density:	No data available
Particle characteristics:	Not applicable

### Additional information

Additional information: No data available

## 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:	No data available
Incompatible materials:	No data available

## 11. Toxicological information

### Information on toxicological effects

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.

**Symptoms**

For mechanical processing:  
Formation of potentially hazardous splinters.  
In case of eye contact / In case of skin contact / In case of inhalation:  
Dust: May cause irritations.  
Nickel-Powder: May cause an allergic skin reaction.  
Suspected of causing cancer.  
Causes damage to organs through prolonged or repeated exposure.

**12. Ecological information****Ecotoxicity**

Aquatic toxicity: Nickel-Powder: Harmful to aquatic life with long lasting effects.

**Persistence and degradability**

Further details: Methods for the determination of biodegradability are not applicable to inorganic substances.

**Bioaccumulative potential**

Partition coefficient: n-octanol/water:  
No data available

**Mobility in soil**

No data available

**Other adverse effects**

General information: Discharge into the environment must be avoided.

**13. Disposal considerations****Waste treatment methods****Product**

Recommendation: Dispose of waste according to applicable legislation. Recycling.

**14. Transport information****UN number**

DOT, IMDG, IATA-DGR: not applicable

**UN proper shipping name**

DOT, IMDG, IATA-DGR: Not restricted

**Transport hazard class(es)**

DOT, IMDG, IATA-DGR: not applicable

### Packing group

DOT, IMDG, IATA-DGR: not applicable

### Environmental hazards

Marine pollutant: no

### Transport in bulk according to IMO instruments

No data available

### Special precautions for user

#### 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

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

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

Nickel: California Proposition 65:  
cancer  
New York Right-To-Know: listed

### Further regulations, limitations and legal requirements

No data available

## 16. Other information

Text for labeling: Contains Nickel. May produce an allergic reaction.  
Revision date: 3/2/2026  
Date of first version: 11/27/2008  
Reason of change: Changes in section 8: Biological Limit Value

Hazard rating systems:



**NFPA Hazard Rating:**

Health: 1 (Slight)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

**HMIS Version III Rating:**

Health: 1 (Slight)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

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  
DOT: Department of Transportation's Safety Regulations (USA)  
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  
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.