

## 1. Identification

### Product identifier

Trade name: 636K6 - Plastillin Clay

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

General use: For orthopedic procedures: mass for modeling

### 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

This material is classified as not hazardous.

### Label elements

Symbols: not applicable

Hazard statements: not applicable

Precautionary statements: not applicable

## 3. Composition/information on ingredients

### Mixtures

Chemical characterization: A mixture of: hydrocarbon waxes, oils, fillers, paraffins, pigment

### 4. First aid measures

Following skin contact: After contact with molten product, cool skin area rapidly with cold water. Seek medical treatment in case of troubles.

After eye contact: In case of contact with eyes rinse with plenty of water carefully.

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

After eye contact: mild irritant

#### Information to physician

Treat symptomatically.

### 5. Fire-fighting measures

#### Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

Water spray jet, foam, dry chemical 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: carbon monoxide and carbon dioxide

#### Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.

Environmental precautions:

Discharge into the environment must be avoided.

#### Methods and material for containment and cleaning up

Methods for clean-up: Take up mechanically, placing in appropriate containers for disposal.

### 7. Handling and storage

#### Precautions for safe handling

Advices on safe handling: Handle in accordance with good industrial hygiene and safety practice.

#### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and dry. Keep in a cool place.

## 8. Exposure controls/personal protection

### Appropriate engineering controls

Provide adequate ventilation, and local exhaust as needed.

### Personal protection equipment (PPE)

Hand protection: If necessary: protective gloves according to OSHA Standard - 29 CFR: 1910.138  
Glove material: nitrile rubber-breakthrough time: 480 min.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Wear safety goggles when handling hot molten mass.  
According to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003.

General hygiene considerations:  
Protect from excessive heat.  
Wash hands before breaks and after work.

### 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
Color:	varying colors
Odor:	like fatty acid
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:	No data available
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	approx. 536 °F
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:	1.60 g/cm <sup>3</sup>
Vapor density:	No data available
Particle characteristics:	Not applicable

### Additional information

Ignition temperature: approx. 662 °F

## 10. Stability and reactivity

Reactivity:	refer to section 10.3
Chemical stability:	Product is stable under normal storage conditions.
Possibility of hazardous reactions:	No dangerous reactions are known.
Conditions to avoid:	Protect from excessive heat.
Incompatible materials:	No data available
Hazardous decomposition products:	In case of fire may be liberated: carbon monoxide and carbon dioxide

## 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.
Other information:	In case of heating: risk of burns.

### Symptoms

After eye contact: mild irritant

## 12. Ecological information

### Ecotoxicity

Further details:	No data available
------------------	-------------------

### Persistence and degradability

Further details:	No data available
------------------	-------------------

**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: 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**

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

No data available

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

No data available

### Further regulations, limitations and legal requirements

No data available

## 16. Other information

Revision date: 12/17/2025

Date of first version: 10/15/2008

Reason of change: General revision: Safety Data Sheet according to Hazardous Products Regulations (HPR) 2022

General revision: Safety Data Sheet according to HCS 2024 (29 CFR 1910.1200)

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:

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  
 OSHA: Occupational Safety and Health Administration  
 PBT: Persistent, bioaccumulative and toxic  
 PNEC: Predicted no-effect concentration  
 TRGS: Technical Rules for Hazardous Substances  
 vPvB: Very persistent and very bioaccumulative

### 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.