

## 1. Identification

### Product identifier

Trade name: 86T1 - Modeling Wax

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

 General use: hydrocarbon waxes for modeling 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

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

 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

### 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: If burned by hot product, quench immediately with cold tap water. Subsequently consult an ophthalmologist.

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

After contact with skin: In case of heating: risk of burns.

After eye contact: Hot molten mass, liquid splashes: risk of burns.

#### Information to physician

Treat symptomatically.

### 5. Fire-fighting measures

#### Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

Foam, dry chemical powder, carbon dioxide

Extinguishing media which must not be used for safety reasons:

Water

#### 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

Hot molten mass:

Protective gloves against thermic risks.

Wear closely fitting protective glasses in case of splashes.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains.

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

Methods for clean-up:

Solid: Take up mechanically, placing in appropriate containers for disposal.

Hot molten mass: Contain hot liquid after spilling and let it cool down (solidify); then collect mechanically.

### 7. Handling and storage

#### Precautions for safe handling

Advices on safe handling: Hot molten mass:

Protective gloves against thermic risks.

Wear closely fitting protective glasses in case of splashes.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container dry. Keep in a cool place.

Protect from light.

## 8. Exposure controls/personal protection

### Appropriate engineering controls

Provide adequate ventilation, and local exhaust as needed.

### Personal protection equipment (PPE)

Hand protection:

Hot molten mass:

Protective gloves against thermic risks. OSHA Standard - 29 CFR: 1910.138

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:

pink, flesh-colored

Odor:

weak, characteristic

Odor threshold:

No data available

Melting point/freezing point:

132.8 - 136.4 °F

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:

> 248 °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:

No data available

Vapor density:

No data available

Particle characteristics:

Not applicable

### Additional information

Additional information: No data available

## 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.  
Hot molten mass: Incorrect application of water can cause foaming. Beware of splashes.

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: Not known to cause sensitization.

### Symptoms

After contact with skin: In case of heating: risk of burns.  
After eye contact: Hot molten mass, liquid splashes: risk of burns.

## 12. Ecological information

### Ecotoxicity

Further details: No data available

### Persistence and degradability

Further details: Product is biodegradable.  
In sewage treatment plants it may be separated mechanically.

### Bioaccumulative potential

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

### Mobility in soil

No data available

### Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

## 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: 6/26/2008

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  
 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.