

## 616T73 - ThermoLyn Pedilon (LTT Polyester)

Material number 616T73

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### 1. Identification

#### Product identifier

Trade name: 616T73 - ThermoLyn Pedilon (LTT Polyester)

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

General use: Article for orthopedic procedures  
Processing at Processing temperature and Forming temperature  
(refer to section 9: Physical and chemical properties)  
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

Processing by heating can produce vapors. 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.

In case of heating: risk of burns.

In case of eye contact: Dust: mild irritant

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### 3. Composition/information on ingredients

#### Substances

Chemical characterization: Thermoplastic (NTT)-Polyester of Butane-1,4-diol and Hexan-6-olide

### 4. First aid measures

General information:	Processing by heating can produce vapors. Processing, e.g. by cutting, sawing or grinding, can produce particles and dust. Change contaminated clothing.
In case of inhalation:	In the case of the formation of dust / When vapors form: Provide fresh air. Seek medical treatment in case of troubles.
Following skin contact:	Remove residues with water. If burned by hot product (> 80 °C), quench immediately with cold tap water. Do not peel solidified product off the skin. Immediately get medical attention.
After eye contact:	In the case of the formation of dust / When vapors form: 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:	After intake of large amounts: Immediately get medical attention.

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

In case of heating: risk of burns.  
In case of eye contact: Dust: mild irritant  
After intake of large amounts: constipation

#### Information to physician

After intake of large amounts: Gastric lavage when product has been orally ingested.

### 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

Hazardous vapors may form during fires.  
In case of fire may be liberated: carbon monoxide and carbon dioxide.

#### Protective equipment and precautions for firefighters

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

If necessary: Suitable protective clothing.  
In case of development of vapors or dust:  
Provide fresh air. Do not inhale vapors or dust particles. Wear protective equipment.

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: Make sure that the processing machines are well equipped with suction and ventilation systems.  
For mechanical processing: With the formation of dust, use a dust mask.  
In case of development of vapors or dust:  
Provide fresh air. Do not inhale vapors or dust particles. Wear protective equipment.

Precautions against fire and explosion:

Keep away from heat sources, sparks and open flames. When using do not smoke.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep only in the original packaging.  
Keep in a cool place. Keep container dry.  
Protect from: UV-radiation/sunlight

Hints on joint storage:

Keep away from acids, alkalis.

## 8. Exposure controls/personal protection

### Control parameters

Occupational exposure limit values:

Type	Limit value
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)

### Appropriate engineering controls

Provide adequate ventilation, and local exhaust as needed.

### Personal protection equipment (PPE)

Respiratory protection: For mechanical processing: particulates filter  
OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2

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Hand protection:	<p>If necessary: Protective gloves against thermic risks. For machine processing: Protective gloves against mechanical risks. OSHA Standard - 29 CFR: 1910.138 Observe glove manufacturer's instructions concerning penetrability and breakthrough time.</p>
Eye protection:	For mechanical processing: tightly sealed safety glasses according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003.
Body protection:	For mechanical processing: Light protective clothing
General hygiene considerations:	<p>The following shall be existing in the immediate working surrounding: emergency shower installed. Avoid generation of dust. Wash hands before breaks and after work. In case of warming: Do not breathe vapors.</p>

### 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, plate
Color:	At room temperature: skin-colored In case of warming: transparent
Odor:	odorless
Odor threshold:	No data available
Melting point/freezing point:	136.4 - 143.6 °F
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Explosion limits:	No data available
Flash point/flash point range:	527 °F (open cup)
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	No data available
Dynamic viscosity:	1,500,000 mPa*s
Solubility:	soluble in aromatic hydrocarbons and chlorinated hydrocarbons
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Vapor pressure:	No data available
Density:	at 140 °F: 1.10 g/cm³
Vapor density:	No data available
Particle characteristics:	Not applicable

### Additional information

Additional information: Processing temperature: 140 °F  
Forming temperature: 140 °F

## 10. Stability and reactivity

Reactivity: refer to section 10.3

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No dangerous reactions are known.

Conditions to avoid: Avoid temperatures exceeding Processing temperature °C.  
(Processing temperature refer to section 9: Physical and chemical properties)

Incompatible materials: acids, alkalis

Hazardous decomposition products: Hazardous vapors may form during fires.  
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.

### Symptoms

In case of inhalation: In case of heating: risk of burns.  
In case of ingestion: After intake of large amounts: constipation  
After contact with skin: In case of heating: risk of burns.  
After eye contact: Dust: mild irritant

## 12. Ecological information

### Ecotoxicity

Further details: No data available

### Persistence and degradability

Further details: Product is biodegradable.

### 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: If recycling is not possible, dispose of according to local waste laws and regulations (information requirements of authorities).

#### 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

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

### 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: 6/4/2008

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: 1 (Slight)  
Fire: 1 (Slight)  
Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)  
Flammability: 1 (Slight)  
Physical Hazard: 0 (Minimal)  
Personal Protection: X = Consult your supervisor



HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X



# SAFETY DATA SHEET

according to HCS 2024 (29 CFR 1910.1200)

## 616T73 - ThermoLyn Pedilon (LTT Polyester)

Material number 616T73

Revision date: 12/17/2025  
Version: 6.4  
Replaces version: 6.3  
Language: en-US  
Date of print: 5/29/2026

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### 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  
TSCA: Toxic Substance Control Act  
UV: Ultraviolet  
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.