



# optimill memosplint

Milling blank for the manufacture of dental occlusal splints with thermal effect

## Safety Data Sheet

Created on: 10.06.2021

Valid from: 10.06.2021

Signal word: not applicable



P304+P340 IF INHALED: Remove the person to fresh air and ensure that they can breathe freely  
P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3 Other warnings:

#### Results of the PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

---

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances – This product is a polymerized mixture

### 3.2 Mixtures

This product is a mixture

Dental product

Product - Dust can be generated during grinding work

### Hazardous ingredients:

not applicable, because polymerized

---

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General:

Consult a doctor if symptoms persist. Remove contaminated clothing and shoes and launder thoroughly before reusing

#### After inhalation:

Supply fresh air. Move the affected person away from the danger zone

#### After skin contact:

Wash with plenty of water or soap and water.

#### After eye contact:

Remove contact lenses. Flush eyes with plenty of water (for 10-15 minutes), protecting the uninjured eye and seek medical advice.

#### If swallowed:

Have the person drink plenty of water in small sips, but only when the person is conscious. Do not induce vomiting. Seek medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No information available.

---

### **SECTION 5: FIREFIGHTING MEASURES**

#### 5.1. Extinguishing media

##### **Suitable extinguishing media:**

Extinguishing powder, foam, carbon dioxide, water spray.

##### **Unsuitable extinguishing media:**

High pressure water jet

#### 5.2. Special hazards arising from the substance or mixture

No information available.

#### 5.3. Advice for firefighters

Wear personal protective equipment. Use self-contained breathing apparatus

---

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear personal protective equipment (see Sections 7 and 8). Avoid dust formation.

#### 6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses.

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

Pick up mechanically and dispose of properly (see section on "Disposal")

#### 6.4. Reference to other sections

No information available.

---

### **SECTION 7: HANDLING AND STORAGE**

#### 7.1. Precautions for safe storage

##### **Information on safe handling:**

Avoid dust formation and deposits. Ensure good ventilation in the room and workplace.  
Extraction required at the property.

##### **General protective and hygiene measures**

Wash hands before breaks and at the end of the working day. Do not smoke, eat or drink while working. Keep away from food and drinks. Do not breathe dust. Immediately remove all soiled and contaminated clothing. Have an eyewash device available. Avoid contact with the skin and eyes.

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

### Requirements for storage rooms and containers.

Carefully close containers which have been opened store upright to prevent any leakage. Keep only in the original container.

### Storage instructions:

None known.

### Technical measures, storage conditions and delivery requirements:

Keep container tightly sealed and store in a cool, well-ventilated place. Protect from heat and direct sunlight.

## 7.3. Specific end-uses:

No information available.

---

## SECTION 8. EXPOSURE CONTROLS ANF PERSONAL PROTECTION

### 8.1 Control parameters

No.	Substance name	CAS No.	EC No.
1	General dust limit value		
	TRGS 900		
	respirable fraction		
	Value	1.25 mg/m <sup>3</sup>	
	TRGS 900		
	inhalable fraction		
	Value	10 mg/m <sup>3</sup>	
	Peak limit	2(II)	

### 8.2 Personal protective equipment

#### General protective and hygiene measures:

Keep away from food, drink and animal feed.  
 Remove contaminated, soaked clothing immediately.  
 Wash hands before breaks and at the end of work.  
 Avoid contact with eyes.  
 Avoid skin contact

**Suitable technical control device:**

Sufficient room ventilation and local exhaust ventilation must be ensured. The occupational exposure limit values of the product or the ingredients must be observed.

**Eye / face protection**

Tightly fitting protective goggles

**Hand protection:**

Wearing safety gloves.

Fluororubber (Viton), recommended material thickness: 0.75 mm +/- 0.10 mm

Butyl rubber, recommended material thickness: 0.50 mm +/- 0.10 mm

The selection of a suitable glove does not only depend on the material, but also on other quality features and varies from manufacturer to manufacturer. Since the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and must therefore be tested before use.

**Penetration time of the glove material**

Basis: GGV Information 212-007

Permeation (fluororubber): + Level 6 (> 480 min)

Permeation (butyl rubber): + Level 6 (> 480 min)

The breakthrough times determined in accordance with DIN 374 Part III are not carried out under practical conditions. A maximum wearing time that corresponds to 50% of the breakthrough time is therefore recommended. The exact break through time must be obtained from the protective glove manufacturer and must be observed.

**Other skin and body protection:**

Avoid skin contact. Wear suitable clothing to prevent possible skin contact.

**Respiratory protection:**

If there is insufficient ventilation, suitable respiratory protection must be worn. Wear a respirator with full face protection and the following filter cartridge: Filter against organic vapors. Highly effective particle filter.

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**
**9.1 Information on basic physical and chemical properties**

	Value	Unit
Appearance	Solid disc	
Odor	Ester	
Color	Clear transparent	
Melting point	Not determined	
Initial boiling point and boiling range	Not determined	
Flash point	> 305	°C
Inflammability (solid, gaseous)	Not determined	
Upper/lower inflammability or explosion limits	Not determined	
Vapor pressure	Not determined	
Relative density	1.25	g/cm <sup>3</sup>

Solubility	Insoluble in water	
Soluble in most organic solvents		
Viscosity	Not determined	Pa s
pH	Not determined	

## 9.2 Miscellaneous Information

No further relevant information available

---

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable when handled and stored appropriately.

### 10.3. Possibility of hazardous reactions

When handled and stored appropriately, none known.

### 10.4. Conditions to avoid

Heat, open flames and other ignition sources. Temperatures > 250° C

### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

In the event of thermal decomposition, combustible fumes, mostly consisting of methyl methacrylate, are released which irritate the eyes and respiratory system.

---

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### 11.1.1 General

Data obtained for the complete product takes precedence over data on single ingredients

### 11.1.2 Acute toxicity:

Description				
Exposure routes				
Acute toxicity	No information available.			
Skin corrosion/irritation	No information available.			
Skin and eye sensitisation	No information available.			
Germ cell mutagenicity	No information available.			
Aspiration hazard	No information available.			
Reproductive toxicity	No information available.			

#### Miscellaneous:

Inhaling dust may cause respiratory irritation. Contact with skin and eyes may cause mechanical irritation.

### 11.1.3 Other observations:

No information available.

### 11.1.4 General notes:

No further information

---

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxizität

#### Acute toxicity

Fish toxicity	Not known
Daphnia toxicity	Not known
Algae toxicity	Not known
Bacteria toxicity	Not known

#### Persistence and degradability

##### Physical/Chemical

Procedure	Not known
Analytical procedure	Not known
Elimination level	Not known
Validation	Not known
Additional Information	Not known



### **Biological**

Procedure	Not known
Analytical procedure	Not known
Elimination level	Not known
Validation	Not known
Additional Information	Not known

### **Occurrence in the environment**

Mobility and accumulation	Not known
Additional Information	Not known

#### **12.2 Occurrence in sewage treatment plant**

No data available

#### **12.3 Persistence and degradability**

No data available

#### **12.4 Behaviour in the sewage treatment plant**

No data available

#### **12.5 Other information**

Do not allow large quantities to enter drains.

---

## **SECTION 13: DISPOSAL INFORMATION**

### **13.1. Waste treatment methods**

#### **Product**

The assignment of a waste key number in accordance with the European Waste Catalogue (EWC) must be established in consultation with the regional waste disposer.

#### **Packaging**

Product residues must be emptied out of packaging material, which must then be disposed of in the proper fashion in accordance with the legal regulations. Packaging from which residues have not been removed must be disposed of in co-operation with the regional disposal authority.

## SECTION 14: TRANSPORT INFORMATION

14.1. UN number; 14.2 UN proper shipping name; 14.3 Transport hazard class; 14.4 Packing group

Road ADR	
Assessment	The product is not subject to the ADR provisions
14.1 UN No.	
14.2 Assessment	
14.3 Class	
14.4 Packing group	

Rail RID	
Assessment	The product is not subject to the RID regulations
14.1 UN No.	
14.2 Assessment	
14.3 Class	
14.4 Packing group	

Maritime transport IMDG Code	
Assessment	The product is not subject to the IMDG provisions
14.1 UN No.	
14.2 Assessment	
14.3 Class	
14.4 Packing group	

Air transport ICAO-TI/IATA-DGR	
Assessment	The product is not subject to the ICAO-TI/IATA-DGR provisions
14.1 UN No.	
14.2 Assessment	
14.3 Class	
14.4 Packing group	

#### 14.5. Environmental hazards

Environmental hazard labelling:  yes  no

#### 14.6. Special precautions for users:

No information available

#### 14.7. Bulk transportation in accordance with the MARPOL Convention and the IBC Code

Not relevant

#### Additional information:

##### Classification code:

No information

##### Tunnel restriction code (road):

No information

---

### SECTION 15: REGULATORY INFORMATION

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

##### EU legislation

##### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (list of substances subject to authorisation)**

According to the available data and/or in accordance with the information provided by the suppliers, the product contains no substance(s) subject to authorisation in accordance with the REACH Regulation (EC) 1907/2006 Annex XIV.

##### **REACH candidate list of substances of very high concern (SVHC) for the approval procedure**

According to the available data and/or in accordance with the information provided by the suppliers, the product contains no substance(s) subject to authorisation in accordance with Article 57 in conjunction with Article 59 of the REACH Regulation (EC) 1907/2006 or to be included in Annex XIV (List of substances subject to authorisation).

##### **EC Regulation No. 1907/2006 (REACH) Annex XVII: Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles.**

According to the available data and/or in accordance with the information provided by the suppliers, the product contains no substance(s) that is/are subject to Annex XVII of the REACH Regulation (EC) 1907/2006.

##### **Council Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances.**

The product is not subject to Annex I, Part 1 or 2.

## Other regulations

The national health and occupational health and safety provisions are applicable when using this product.

### National regulations

Water hazard class

Class: 1

Source: Classification according to VwVwS

**The national legal provisions must also be observed!**

### 15.2. Chemical safety assessment

No chemical safety assessment in accordance with Regulation (EC) 1907/2006 (REACH) was conducted for this product.

#### Notes on employment restrictions:

There is no information.

---

## SECTION 16. OTHER INFORMATIONS

### Wording of the H and P sentences (number and full text)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash contaminated skin thoroughly after handling.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove the person to fresh air and ensure that they can breathe freely IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P305+P351+P338	

Training advice . no

#### Recommended restriction (s) of the application:

There are no special steps required.

#### Data sources

REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on the classification, labeling and packaging of substances and mixtures, amending and repealing directives 67/548 / EEC and 1999/45 / EC and amending Regulation (EC) No. 1907/2006..

#### Additional Information:

DISCLAIMER OF LIABILITY We obtained the information contained in this data sheet from sources we believe to be reliable. The correctness of the express or implied information cannot be guaranteed. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and possibly our knowledge. For these and other reasons, we assume no responsibility and expressly disclaim any liability for loss, damage or costs that may arise from the handling, storage, use or disposal of the product or are in any way connected with it. This safety data sheet was created for this product and may only be used for this. If the product is used as part of another product, the information given in the data sheet may not apply.

---

*This information is based on our current knowledge and is only intended to describe the product with regard to health, safety and environmental conditions. It should therefore not be construed as a guarantee of any specific property of the product.*