



optimill memosplint

optimill memosplint ZZ

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

Safety Data Sheet

Created on: 30.07.2025

Valid from: 30.07.2025

Signal word: not applicable

1.1. Product identifier

1.2. Relevant identified uses of the substance or mixture, and uses advised against

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

1.3. Details of the supplier of the safety data sheet

Telephone: 0049 231 5556 0

Fax: 0049 231 5556 30

Email: info@dentona.de

1.4. Emergency telephone number: 0049 30 30686700 (only for Germany)

SECTION 2: HAZARDS IDENTIFICATION

It is a PRODUCT in which there is a risk of irritating dusts, which can cause allergic reactions, due to grinding work.

2.1 Classification of substance or mixture according to Regulation (EC) No. 1272/2008:

2.2. Identifying elements according to Regulation (EC) No. 1272/2008:

Symbols: not applicable

Signal word: not applicable

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
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 product

Dental 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 AND 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/m³	
	TRGS 900		
	inhalable fraction		
	Value	10 mg/m³	
	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: GGUV 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 ³
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
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Biological

Procedure	Not known
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Analytical procedure	Not known
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Elimination level	Not known
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Validation	Not known
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Additional Information	Not known
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Occurrence in the environment

Mobility and accumulation	Not known
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Additional Information	Not known
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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 (RECh) 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.
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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.

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.