

SAFETY DATA SHEET (EC 1907/2006)**Dentsply Prosthetics DIE MATERIAL**

Version: **1.7 / GB**
Revision date: **17.12.2020**
Issue date: **10.03.2003**
replaces version: **1.6**
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Material no.
Specification **143839**
VA-Nr **01906947**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name Dentsply Prosthetics DIE MATERIAL
REACH Registration No.: if available listed in Chapter. 3

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

Relevant applications identified For dental use only.

1.3. Details of the supplier of the safety data sheet

Company DeguDent GmbH
Postfach 1364
D-63403 Hanau

Telephone +49 (0)6181/59-5576
Telefax +49 (0)6181/59-5879
Email address SDB.Degudent-DE@dentsplysirona.com

1.4. Emergency telephone number

Emergency information +49 (0)6181/59-50 (This telephone number is available during office hours only.)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not a hazardous mixture according to Regulation (EC) No 1272/2008.

2.2. Label elements**Labelling as per (EU) 1272/2008**

Statutory basis Labelling not required according to EU-CLP Ordinance (1272/2008).

2.3. Other hazards

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

SECTION 3: Composition/information on ingredients**Chemical nature**

The preparation contains:, Vitreous porcelain, Pigments, initiators, stabilisers

SECTION 4: First aid measures**4.1. Description of first aid measures**

Remove contaminated or saturated clothing immediately and dispose of safely.

Inhalation

Remove to fresh air.

Skin contact

Wash off immediately with soap and plenty of water.

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Consult a doctor in the event of permanent skin irritation.

Eye contact

Rinse thoroughly with plenty of water keeping eyelid open.
If eye irritation persists, consult a specialist.

Ingestion

Call a physician immediately.

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

Symptoms

No information available.

Hazards

None known

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

If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should not be allowed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: mist
dry powder
Foam

Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for firefighters

Employ protective equipment commonly used in the event of fire.
In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.

6.2. Environmental precautions

Introduction into soil, natural water bodies or sewerage must be prevented.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment.

6.4. Reference to other sections

Wear personal protective equipment; see section 8.
Disposal considerations; see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.
Protect from heat sources, heat and exposure to direct sunlight

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion

No special measures are required.

Storage

Store in the original receptacle, keeping this tightly sealed, under cool and dry conditions.

German storage class

13 - Non Combustible Solids

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7.3. Specific end use(s)

We are unaware of any specific end uses which go beyond the data reported in Section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Remarks No substance-specific limiting value being known.

8.2. Exposure controls

Personal protective equipment

Hand protection

Avoid contact with skin., Wear suitable gloves., Suitability for specific workplaces should be clarified with protective glove manufacturers.

Eye/face protection

Avoid contact with eyes., Safety glasses with side-shields

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice., Avoid contact with skin, eyes and clothing., Do not eat, drink, smoke, or sniff while at work. Wash your hands and/or face before breaks and before termination of work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Form	paste
Colour	depending on staining result
Odour	
	characteristic
Odour threshold:	
	no data available
pH	
	no data available
Melting point/range	
	no data available
Boiling point/range	
	no data available
Flash point	
	no data available
Evaporation rate	
	no data available
Flammability (solid, gas)	
	no data available
Lower explosion limit	
	no data available
Upper explosion limit	
	no data available
Vapour pressure	
	no data available
Density	
	ca. 2.2 g/cm3
Water solubility	
	partly miscible
Partition coefficient: n-	
	no data available

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octanol/water
Autoinflammability Not capable of spontaneous combustion or heating.

Thermal decomposition no data available

Viscosity, dynamic no data available

Viscosity, kinematic no data available

Explosiveness not explosive

Oxidizing properties no data available

9.2. Other information

Other information No further physicochemical data were determined.

SECTION 10: Stability and reactivity**10.1. Reactivity**

no data available

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Product polymerizes on contact with radical generating substances such as peroxides, azo compounds, heavy metal compounds, solutions.

10.4. Conditions to avoid

Avoid light effect heat sources of ignition.

10.5. Incompatible materials

radical generating substances

10.6. Hazardous decomposition products

not known

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute oral toxicity LD50 Rat: > 5000 mg/kg
Test substance: (1-Methylethylidene)bis[4,1-phenylenoxy(2-hydroxy-3,1-propanediyl)]bismethacrylate

Acute inhalation toxicity no data available

Acute dermal toxicity no data available

Skin irritation Frequent and continual skin contact can cause skin reaction (skin irritation)., Irritation of skin and mucous membranes possible.

Eye irritation May be irritating on frequent or long-term contact.

Sensitization None known

Repeated dose toxicity no data available

Mutagenicity assessment no data available

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Carcinogenicity	No data available
Toxicity to reproduction	no data available
Further information	No hazardous reactions are known if properly handled and stored.

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicological tests with this preparation are not available.

12.2. Persistence and degradability

Biodegradability no data available

12.3. Bioaccumulative potential

Bioaccumulation no data available

12.4. Mobility in soil

Mobility No data available

12.5. Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

12.6. Other adverse effects

Further Information Introduction into soil, natural water bodies or sewerage must be prevented.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Product**

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

SECTION 14: Transport information

Not dangerous according to transport regulations.

14.1. UN number:	--
14.2. UN proper shipping name:	--
14.3. Transport hazard class(es):	--
14.4. Packing group:	--
14.5. Environmental hazards:	--
14.6. Special precautions for user:	No

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National legislation**

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15.2. Chemical safety assessment

Chemical safety assessment No Chemical Safety Report as per Articles 2(8), 2(9) or 14 of the REACH Regulation is required for this product.

SECTION 16: Other information

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
c.c.	closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization For Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic

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PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCI	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization