

SAFETY DATA SHEET (EC 1907/2006)

CEREC MTL Zirconia

Version: 1.0 / GB
Revision date: -
Issue date: 12.04.2021
replaces version: -
Page: 1 / 7

Material no.
Specification 187903
VA-Nr 01906948



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name CEREC MTL Zirconia
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]

EU-CLP as per Regulation (EU) No. 1272/2008

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

2.2. Label elements

Labelling as per (EU) 1272/2008

Remarks 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

Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008

• Ceramic materials and wares, chemicals

CAS-No. 66402-68-4 EC-No. 266-340-9

Texts of H phrases, see in Chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

SAFETY DATA SHEET (EC 1907/2006)

CEREC MTL Zirconia

Version: 1.0 / GB
Revision date: -
Issue date: 12.04.2021
replaces version: -
Page: 2 / 7

Material no.
Specification 187903
VA-Nr 01906948



Inhalation

See that there is fresh air.

Skin contact

Upon skin contact, wash with plenty of water.
Remove and wash contaminated clothing before re-use.

Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion

Flush mouth immediately, then drink plenty of water, avoid vomiting, consult physician

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

5.3. Advice for firefighters

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.
Do not breathe dust.

6.2. Environmental precautions

Prevent material from entering drains and/or water ways.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment.
Dispose of absorbed material in accordance with the regulations.

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

No special measures are necessary if properly handled.

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion
No special protective measures against fire required.

Storage

Further information

Keep container tightly closed.

SAFETY DATA SHEET (EC 1907/2006)

CEREC MTL Zirconia

Version: 1.0 / GB
Revision date: -
Issue date: 12.04.2021
replaces version: -
Page: 3 / 7

Material no.
Specification 187903
VA-Nr 01906948



German storage class
13 - Non Combustible Solids

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

8.2. Exposure controls

Engineering measures

In case product dust is released:, Local ventilation.

Personal protective equipment

Respiratory protection

Do not breathe dust., Ensure suitable suction/aeration at the work place and with operational machinery., In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Protective gloves - select suitable protective gloves from the glove chart.

Eye/face protection

Wear eye/face protection.

Skin and body protection

Wear suitable protective clothing.

Hygiene measures

Take off contaminated clothing and shoes immediately., Wash hands before breaks and at the end of workday., No eating, drinking, smoking, or snuffing tobacco at work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Form	solid
Colour	white grey
physical state	solid

Odour characteristic

Odour threshold: no data available

pH not determined

Melting point/range not determined

Boiling point/range not determined

Flash point not determined

Evaporation rate no data available

Flammability (solid, gas) not determined

Lower explosion limit not determined

Upper explosion limit not determined

SAFETY DATA SHEET (EC 1907/2006)**CEREC MTL Zirconia**

Version: **1.0 / GB**
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replaces version: -
Page: **4 / 7**

Material no.
Specification **187903**
VA-Nr **01906948**



Vapour pressure	<= 1100 hPa	(50 °C)
Vapour density	not determined	
Density	3.00 g/cm3	
Water solubility	insoluble	
Partition coefficient: n-octanol/water	no data available	
Autoinflammability	not determined	
Viscosity, dynamic	no data available	
Viscosity, kinematic	no data available	
Explosiveness	not explosive	
Oxidizing properties	not oxidizing	

9.2. Other information

Other information No further physicochemical data were determined.

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

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No dangerous reactions known.

10.4. Conditions to avoid

No limitations

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

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

Acute oral toxicity	Based on available data, the classification criteria are not met.
Acute inhalation toxicity	Based on available data, the classification criteria are not met.
Acute dermal toxicity	Based on available data, the classification criteria are not met.
Skin irritation	Based on available data, the classification criteria are not met.
Eye irritation	Based on available data, the classification criteria are not met.
Sensitization	Based on available data, the classification criteria are not met.
Repeated dose toxicity	Based on available data, the classification criteria are not met.

SAFETY DATA SHEET (EC 1907/2006)**CEREC MTL Zirconia**

Version: **1.0 / GB**
Revision date: -
Issue date: **12.04.2021**
replaces version: -
Page: **5 / 7**

Material no.
Specification **187903**
VA-Nr **01906948**



Mutagenicity assessment	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Toxicity to reproduction	Based on available data, the classification criteria are not met.
Further information	No hazardous reactions are known if properly handled and stored.

SECTION 12: Ecological information**12.1. Toxicity****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 Avoid release to the environment.

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**

SAFETY DATA SHEET (EC 1907/2006)**CEREC MTL Zirconia**

Version: **1.0 / GB**
Revision date: -
Issue date: **12.04.2021**
replaces version: -
Page: **6 / 7**

Material no.
Specification **187903**
VA-Nr **01906948**

**National legislation****15.2. Chemical safety assessment****SECTION 16: Other information****Further information**

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

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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
PEC	Predicted effect concentration

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Version: **1.0 / GB**
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Issue date: **12.04.2021**
replaces version: -
Page: **7 / 7**

Material no.
Specification **187903**
VA-Nr **01906948**



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