

SAFETY DATA SHEET (EC 1907/2006)

Cercon ceram kiss Paste Liner
Cercon ceram love Paste Liner
Ducera AllCeram Paste Liner
Ducera press Paste Opaque
Duceragold Kiss Paste Opaque
Duceragold love Pastebonder Degunorm
Duceragold love Paste Opaque
Duceram Kiss Neutral Paste
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Duceram love NE - Bonder
Duceram love Paste Opaque
Duceram Plus Neutral Paste
Duceram Plus Paste Opaque
SYMBIOceram Paste Opaque

Version: 1.17 / GB
Revision date: 24.01.2017
Issue date: 31.10.2001
replaces version: 1.16
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Material no.
Specification 130911
VA-Nr 01757548



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

1.1. Product identifier

Trade name
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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)6181/59-5767
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]

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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

In case product dust is released:, Risk of infection of the lung after prolonged inhalation of dust particles.

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

3.1. Substances

-

3.2. Mixtures

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

• butane-1,4-diol	< 15%
CAS-No. 110-63-4	EC-No. 203-786-5
• Hexane-1,2,6-triol	> 15%
CAS-No. 106-69-4	EC-No. 203-424-6

Texts of H phrases, see in Chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Take off all contaminated clothing immediately.

Inhalation

Provide fresh air, seek medical advice if necessary.

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Do not allow the product into the following compartments: sewage water, stretches of water, drainage systems

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material, e.g. inert absorbent, sand, universal binding agents.
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

Avoid contact with skin and eyes.
Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion

Normal measures for preventive fire protection.

Storage

Do not store together with: oxidizing agents
Keep container tightly closed and in a well-ventilated place.
Store in the original receptacle, keeping this tightly sealed, under cool and dry conditions.

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

Ensure suitable suction/aeration at the work place and with operational machinery.

Personal protective equipment

Hand protection

Wear protective gloves made of the following materials:.

Glove material Polychloroprene (PCP)

Material thickness 0.5 mm

Break through time > 480 min

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Glove material Nitrile rubber/Nitrile latex (NBR)
Material thickness 0.35 mm
Break through time > 480 min
Glove material butyl-rubber
Material thickness 0.5 mm
Break through time > 480 min
Glove material Fluorinated rubber (FKM)
Material thickness 0.4 mm
Break through time > 480 min
Glove material Polyvinyl chloride (PVC)
Material thickness 0.5 mm
Break through time > 480 min

Source: GESTIS substance database (hazardous substance information system of commercial professional associations)

Eye/face protection

Safety glasses with side-shields

Hygiene measures

Do not eat, drink, smoke, or sniff while at work. Wash your hands and/or face before breaks and before termination of work., Immediately change moistened and saturated work clothes.

Protective measures

Handle in accordance with good industrial hygiene and safety practice., If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Form paste
Colour depending on staining result

Odour odourless

pH ca. 10 (40 g_l) (20 °C)

Melting point/range not applicable
Preparation

Boiling point/range not applicable
Preparation

Flash point > 134 °C
Components with the lowest value

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Information taken from reference works and the literature.

Flammability (solid, gas)	This product has not been classified as flammable.
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	not applicable
Density	ca. 1.9 g/cm ³ (20 °C)
Water solubility	partly soluble
Autoinflammability	Not capable of spontaneous combustion or heating.

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

Under normal conditions: stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Reaction with strong oxidants.

10.4. Conditions to avoid

None known.

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

No results of animal experiments with the product available.

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Acute oral toxicity	LD50 rat: 1525 mg/kg Test substance: butane-1,4-diol
Acute inhalation toxicity	LC50 Rat: > 5.1 mg/l / 4 h Test substance: butane-1,4-diol
Acute dermal toxicity	LD50 Rabbit: > 2000 mg/kg Test substance: butane-1,4-diol
Skin irritation	Rabbit not irritating Method: OECD Test Guideline 404 Test substance: Hexane-1,2,6-triol
Eye irritation	Rabbit not irritating Method: OECD Test Guideline 405 Test substance: Hexane-1,2,6-triol
Sensitization	no data available
Repeated dose toxicity	Oral Rat Testing period: 90 d NOEL: ca. 1000 mg/kg target organ/effect: body weight development negative Test substance: Hexane-1,2,6-triol Feeding experiments Oral Rat Testing period: 2 Jahre NOEL: 100 mg/kg target organ/effect: Kidney, Liver Test substance: Hexane-1,2,6-triol Feeding experiments, chronic
Mutagenicity assessment	no data available
Carcinogenicity	No data available
Toxicity to reproduction	No data available
Human experience	Health injuries are not known or expected under normal use.

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Further information

No hazardous reactions are known if properly handled and stored., Risk of infection of the lung after prolonged inhalation of dust particles.

SECTION 12: Ecological information

12.1. Toxicity

No ecotoxicological data is available for this product.

Toxicity to fish LC50 Cyprinus carpio: > 1240.00 mg/l / 96 h
Test substance: butane-1,4-diol
Method: EC 92/69

LC0 Cyprinus carpio: 1240 mg/l / 96 h
Test substance: butane-1,4-diol
Method: EC 92/69

Toxicity in aquatic invertebrates EC50 Daphnia magna: 813 mg/l / 48 h
Test substance: butane-1,4-diol
Method: EC 92/69

NOEC Daphnia magna: >= 100.00 mg/l / 504 h
Test substance: butane-1,4-diol
Method: OECD 202 part 2

Toxicity to algae EC50 Desmodesmus subspicatus (green algae): > 1000.00 mg/l / 72 h
Test substance: butane-1,4-diol
Method: EC 92/69

NOEC Desmodesmus subspicatus (green algae): >= 1000.00 mg/l / 72 h
Test substance: butane-1,4-diol
Method: EC 92/69

Toxicity to bacteria EC 10 Pseudomonas putida / 16 h
Test substance: butane-1,4-diol
Method: Bringmann und Kühn, Z. Wasser Abwasser Forsch. 10, 87-98 (1977)

12.2. Persistence and degradability

Biodegradability Result: 96 %

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Test substance: butane-1,4-diol
Method: OECD 301 E
readily biodegradable

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 No data can be given because of insolubility in water.
Do not allow entrance in sewage water and soil.

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:	--

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- 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

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

Classification and applied procedure to derive the classification of mixtures according to EU Regulation (EC) No. 1272/2008 (CLP)

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

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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
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

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