

SAFETY DATA SHEET (EC 1907/2006)**Ceramco 3, Paste Porcelain**

Version:	1.8 / GB	Material no.	0D301040
Revision date:	15.11.2017	Specification	141446
Issue date:	15.02.2003	VA-Nr	01779643
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name	Ceramco 3, Paste Porcelain
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.
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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.)
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SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Acute toxicity (oral)	Category 4	H302
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2.2. Label elements**Labelling as per (EU) 1272/2008**

Statutory basis	EU-CLP as per Regulation (EU) No. 1272/2008, Annex VI
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hazard-defining component(s) (GHS)

- 2,2'-oxybisethanol; diethylene glycol

Hazard pictograms



Signal word	Warning
Hazard statement	H302 - Harmful if swallowed.
Precautionary statement	P264 - Wash hands thoroughly with soap and water after handling.
Precautionary statement: Disposal	P501 - Dispose of contents/container in accordance with local regulation.

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

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3.1. Substances

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3.2. Mixtures

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

• Kaolin > 50%			
CAS-No.	1332-58-7	EC-No.	310-127-6
• 2,2'-oxybisethanol; diethylene glycol < 40%			
CAS-No.	111-46-6	EC-No.	203-872-2
Acute toxicity (oral)		Category 4	H302
• butane-1,3-diol < 25%			
CAS-No.	107-88-0	EC-No.	203-529-7
• glycerol < 25%			
CAS-No.	56-81-5	EC-No.	200-289-5

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.

Skin contact

Wash off immediately with plenty of water.

Eye contact

Rinse immediately with plenty of water and seek medical advice.

Ingestion

Seek medical advice immediately.

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

Symptoms

None known

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: Water spray, foam, CO₂, dry powder.

5.2. Special hazards arising from the substance or mixture

Do not inhale decomposition gases or noxious gases.

5.3. Advice for firefighters

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Employ protective equipment commonly used in the event of fire.

SECTION 6: Accidental release measures

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

Wear personal protective equipment.
Keep unauthorized persons away.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment.
Fill into marked, sealable containers.

Additional advice

Dispose of contaminated material as a waste in a correct manner.

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**

Observe the rules usually applicable when handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities**Advice on protection against fire and explosion**

Normal measures for preventive fire protection.

Storage

No special measures are required.

German storage class

11 - 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**

• Kaolin			
CAS-No.	1332-58-7	EC-No.	310-127-6
Control parameters	2 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposure	Respirable dust.		
• 2,2'-oxybisethanol; diethylene glycol			
CAS-No.	111-46-6	EC-No.	203-872-2
Control parameters	23 ppm 101 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
• glycerol			
CAS-No.	56-81-5	EC-No.	200-289-5
Control parameters	10 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposure	Mist.		

8.2. Exposure controls**Personal protective equipment****Hand protection**

suitable protective gloves, Suitability for specific workplaces should be clarified with protective glove manufacturers.

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**Eye/face protection**

Safety glasses with side-shields

Hygiene measures

Remove contaminated or saturated clothing.

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
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Odour threshold:	no data available
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pH	no data available
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Melting point/range	no data available
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Boiling point/range	no data available
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Flash point	no data available
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Evaporation rate	no data available
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Flammability (solid, gas)	no data available
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Lower explosion limit	0.7 %(V)
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tested substance:
diethylene glycol

Upper explosion limit	22 %(V) tested substance: diethylene glycol
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Vapour pressure	not applicable
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Density	1.8 - 2.0 g/cm ³	(20 °C)
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Partition coefficient: n-octanol/water	no data available
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Autoinflammability	Not capable of spontaneous combustion or heating.
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Thermal decomposition	no data available
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Viscosity, dynamic	no data available
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Explosiveness	no data available
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Oxidizing properties	no data available
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9.2. Other information

Other information	No further physicochemical data were determined.
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**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 No dangerous reactions known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong oxidizing agents, Strong acids

10.6. Hazardous decomposition products

carbon monoxide, carbon dioxide

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

Acute oral toxicity	LD50 rat: 12565 mg/kg Test substance: diethylene glycol RTECS
Acute inhalation toxicity	no data available
Acute dermal toxicity	LD50 Rabbit: 11890 mg/kg Test substance: diethylene glycol RTECS
Skin irritation	no data available
Eye irritation	slightly irritating
Sensitization	no data available
Repeated dose toxicity	no data available
Mutagenicity assessment	no data available
Carcinogenicity	No data available
Toxicity to reproduction	No data available

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

No ecotoxicological data is available for this product.

Toxicity to fish	LC50 Gambusia affinis (Mosquito fish): > 32000 mg/l / 96 h Test substance: diethylene glycol literature
Toxicity in aquatic invertebrates	EC50 Daphnia magna (Water flea): > 10000 mg/l / 24 h Test substance: diethylene glycol

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(literature value)

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 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:	--
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.

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**SECTION 16: Other information****Classification and applied procedure to derive the classification of mixtures according to EU Regulation (EC) No. 1272/2008 (CLP)**

Classification	Classification procedure
Acute Tox., 4 , H302	

Relevant H phrases from chapter 3

H302 : Harmful if swallowed.

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

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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