

# SAFETY DATA SHEET (EC 1907/2006)

## Ceramco 3, every powdery porcelain

Version:	1.10 / GB	Material no.	0D304013
Revision date:	25.09.2017	Specification	136174
Issue date:	15.02.2003	VA-Nr	01773753
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name Ceramco 3, every powdery 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.

#### 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]**

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).

**Supplemental hazard / labelling elements (EU):**

#### 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

Ceramics, The mixture contains:, Vitreous porcelain, Pigments

#### 3.1. Substances

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#### 3.2. Mixtures

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

In case product dust is released:  
Remove to fresh air.

##### Skin contact

In case product dust is released:  
Wash off with plenty of water.

##### Eye contact

In case product dust is released:  
Rinse thoroughly with plenty of water keeping eyelid open.  
If eye irritation persists, consult a specialist.

##### Ingestion

Have the mouth rinsed with water.  
In case of discomfort: Supply with medical care.

#### 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: All extinguishing substances suitable.

#### 5.2. Special hazards arising from the substance or mixture

Do not inhale decomposition gases or noxious gases.

#### 5.3. Advice for firefighters

Extinction measures are to be adjusted to the specific location.  
The product itself does not burn.  
No special protective equipment required.

### SECTION 6: Accidental release measures

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

In case product dust is released:  
Do not breathe dust.

#### 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.  
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

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**7.1. Precautions for safe handling**

In case product dust is released:  
Do not breathe dust.  
No special measures are necessary if properly handled.  
If dust occurs:  
Personal protective equipment

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

Normal measures for preventive fire protection.

**Storage**

Keep container tightly closed and dry.

**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**

<b>• exposure limit for dust</b>		
CAS-No.		
Control parameters	10 mg/m3	(EH40 WEL)
type of exposure	Inhalable fraction.	
Control parameters	4 mg/m3	(EH40 WEL)
type of exposure	Respirable fraction.	
<b>• exposure limit for dust</b>		
CAS-No.		
Control parameters	10 mg/m3	(EH40 WEL)
type of exposure	Inhalable fraction.	
Control parameters	4 mg/m3	(EH40 WEL)
type of exposure	Respirable fraction.	

**8.2. Exposure controls****Engineering measures**

In case product dust is released:, Local ventilation.

**Personal protective equipment****Respiratory protection**

In case product dust is released:, Do not breathe dust., Dust mask according to EN 149 FFP3

**Hand protection**

No special protective equipment required.

**Eye/face protection**

Safety glasses with side-shields, If dust occurs: basket-shaped glasses

**Skin and body protection**

No particular measures required.

**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.

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	
Form	powder
Colour	depending on staining result
Odour	odourless
Odour threshold:	not applicable
pH	not applicable (solid)
Melting point/range	not applicable
Boiling point/range	not applicable (solid)
Flash point	does not flash
Evaporation rate	not applicable
Flammability (solid, gas)	not flammable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	not applicable
Vapour density	not applicable
Density	2.4 - 3.1 g/cm <sup>3</sup>
Water solubility	insoluble
Partition coefficient: n-octanol/water	not applicable
Autoinflammability	Not capable of spontaneous combustion or heating.
Thermal decomposition	not applicable
Viscosity, dynamic	not applicable
Explosiveness	not applicable
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 data available

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**10.2. Chemical stability**

The product is chemically stable.

**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.

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

*No results of animal experiments with the product available.*

Acute oral toxicity      no data available

Acute inhalation toxicity      no data available

Acute dermal toxicity      no data available

Skin irritation      no data available

Eye irritation      no data available

Sensitization      no data available

Repeated dose toxicity      no data available

Assessment of STOT single exposure      No data available

Assessment of STOT repeat exposure      No data available

Risk of aspiration toxicity      not applicable

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.

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

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

*No ecotoxicological data is available for this product.*

**12.2. Persistence and degradability**

Biodegradability      no data available

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**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 to reach the sewage system, the ground or natural water bodies.

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

Disposal according to local authority regulations.

**Uncleaned packaging**

Disposal according to local authority regulations.

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**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

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**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)****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**

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

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<b>RID</b>	Convention concerning International Carriage by Rail
<b>STOT</b>	Specific Target Organ Toxicity
<b>SVHC</b>	Substances of Very High Concern
<b>TA</b>	Technical Instructions
<b>TPR</b>	Third Party Representative (Art. 4)
<b>TRGS</b>	Technical Rules for Hazardous Substances
<b>VCI</b>	German chemical industry association
<b>vPvB</b>	very persistent, very bioaccumulative
<b>VOC</b>	volatile organic compounds
<b>VwVwS</b>	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
<b>WGK</b>	Water Hazard Class
<b>WHO</b>	World Health Organization