

SAFETY DATA SHEET (EC 1907/2006)

Every powdery ceramic compound of:

Cercon ceram kiss
Cercon ceram love
Cercon Stain
Ducera AllCeram
Ducera press
Duceragold Kiss
Duceragold love
Duceram Kiss
Duceram love
Duceram Plus
Duceratin Kiss
LFC / SML
SYMBIOceram

DeguDent
A Dentsply Company

| | | | |
|---------------|-----------------|---------------|-------------------|
| Material no. | | Version | 1.15 / GB |
| Specification | 130055 | Revision date | 15.01.2013 |
| VA-Nr | 01667295 | Print Date | 09.12.2013 |
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name

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Company

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Use of the Substance / Preparation

For dental use only.

REACH Registration No.: if available listed in Chapter. 3

2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not a hazardous material according to the Directive (EEC) No. 1272/2008.

Classification as per Directive 67/548/EC or Directive 1999/45/EC

In accordance with Directive 1999/45/EC, the product does not need to be classified nor labelled.

GHS-Labeling

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Statutory basis

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

Supplemental hazard / labelling elements (EU):

Other Hazards

In case product dust is released:
Inhalation of ceramic dust (quartz dust) can cause silicosis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Ceramics
The preparation contains:
Vitreous porcelain
Pigments

4. 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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

All extinguishing substances suitable.

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Special protective equipment for fire-fighters

No special protective equipment required.

Advice for firefighters

Adapt fire extinguishing methods to site.
The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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

Methods and material for containment and cleaning up

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

7. HANDLING AND STORAGE

Handling

Precautions for safe handling

In case product dust is released:
Do not breathe dust.
No particular measures required if used correctly.
If dust occurs:
Personal protective equipment

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

• exposure limit for dust

| | | |
|--------------------|------------------|-------------|
| CAS-No. | | |
| Control parameters | 4 mg/m3 | (EH40 (UK)) |
| type of exposition | Respirable dust. | |

| | | |
|--------------------|-----------------------|-------------------------------------|
| Control parameters | 3 mg/m3 | Time Weighted Average (TWA):(ACGIH) |
| type of exposition | Respirable particles. | |

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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 protection mask in accordance with EN 149 FFP2

Hand protection

No special protective equipment required.

Eye protection

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

Skin and body protection

No particular measures required.

Hygiene measures

No eating, drinking, smoking, or snuffing tobacco at work. Wash face and/or hands before break and end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | |
|--------|-----------------------------|
| Form | powder |
| Colour | according to the coloration |
| Odour | odourless |

Information on basic physical and chemical properties

| | |
|---------------------|---------------------------|
| pH | 8.5 - 10.5 (100 g/l) |
| Melting point/range | 680 - 1050 °C |
| Density | ca. 2.5 g/cm ³ |
| Water solubility | insoluble |

10. STABILITY AND REACTIVITY

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| | |
|------------------------------------|--|
| Possibility of hazardous reactions | No dangerous reactions known. |
| Conditions to avoid | No restrictions |
| Incompatible materials | None known. |
| Hazardous decomposition products | No hazardous decomposition products known. |

11. TOXICOLOGICAL INFORMATION

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 |
| Mutagenicity assessment | no data available |
| Carcinogenicity | No data available |
| Toxicity to reproduction | No data available |
| Further information | No dangerous reactions are known to occur with correct handling and storage. Inhalation resulting from incorrect handling may cause silicosis. |

12. ECOLOGICAL INFORMATION

Further information on ecology

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Further Information

No data can be given because of insolubility in water.

13. DISPOSAL CONSIDERATIONS

Product

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

14. TRANSPORT INFORMATION

Transport/further information

Not dangerous according to transport regulations.

15. REGULATORY INFORMATION

National legislation

16. OTHER INFORMATION

Further information

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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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 |
| ADNR | European agreement concerning the international carriage of dangerous goods by inland waterways (ADN) |
| 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 |
| DNEL | Derived No Effect Level |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| 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 DGR | International Air Transport Association – Dangerous Goods Regulations |
| ICAO-TI | International Civil Aviation Organisation - Technical Instructions |
| IMDG Code | International Maritime Dangerous Goods Code |
| 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 Environmental Concentration |
| PNEC | Predicted No Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| TA | Technical Instructions (German Ordinance) |
| TPR | Third Party Representative (Art. 4) |
| TRGS | Technical Rules for Hazardous Substances (German Regulations) |
| VCI | German "Verband der Chemischen Industrie e. V." |

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| | |
|--------------|--|
| 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 | German Water Hazard Class |
| WHO | World Health Organization |