

**SAFETY DATA SHEET** (91/155/EWG)**DeguDent**

A Dentsply International Company

**Biodent C+B Plus, Powder**

material No.		Version	<b>1.2 / GB</b>
specification	<b>141742</b>	Revision date	<b>16.06.2004</b>
VA-Nr		Print Date	<b>17.06.04</b>
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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name	:	Biodent C+B Plus, Powder
Company	:	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	:	+49 (0)6181/59-5767
Telefax	:	+49 (0)6181/59-5879
Emergency telephone number	:	+49 (0)180 / 23 24-555
Use of the Substance / Preparation	:	For dental use only.

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**

The preparation contains:  
Copolymer of ethylene and methacrylic acid.

**Information on ingredients / Hazardous components**

- **Poly(methyl methacrylate)**  
CAS-No. 9011-14-7

See chapter 16 for text of risk phrases

**3. HAZARDS IDENTIFICATION**

Mechanical irritation of skin and mucous linings of eyes and respiratory tract may occur.  
Danger of dust explosion.

**4. FIRST AID MEASURES****General advice**

Remove contaminated or saturated clothing.

**Inhalation**

In case product dust is released:  
Take affected persons out into the fresh air.  
In case of persistent discomfort  
Obtain medical attention.

**Skin contact**

Wash off with soap and plenty of water.

**Eye contact**

Possible discomfort is due to foreign substance effect.  
Rinse thoroughly with plenty of water keeping eyelid open.

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In case of persistent discomfort  
Consult an ophthalmologist.

**Ingestion**

Rinse mouth.  
after absorbing larger amounts of substance:  
Consult a physician.

**Notes to physician**

after absorbing larger amounts of substance:  
acceleration of the gastro-intestinal tract

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**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

mist, foam, quenching powder, carbon dioxide (CO<sub>2</sub>)

**Extinguishing media which must not be used for safety reasons**

high volume water jet

**Specific hazards during fire fighting**

May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition.

**Special protective equipment for fire-fighters**

In the event of fire, wear self-contained breathing apparatus.

**Further information**

Use water spray to cool unopened containers.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

No particular measures required.

**Environmental precautions**

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

**Methods for cleaning up**

Pick up mechanically and collect in a suitable container. Avoid formation of dust.  
Sweep up to prevent slipping hazard.  
Clean up promptly by scoop or vacuum.

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**7. HANDLING AND STORAGE****Handling****Safe handling advice**

Avoid dust formation.

**Advice on protection against fire and explosion**

Danger of dust explosion.  
Caution - electrostatic charge may occur.  
Take precautionary measures against static discharges.  
Keep away from sources of ignition - No smoking.

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**Storage****Requirements for storage areas and containers**

Keep in a dry place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Components with workplace control parameters**● **exposure limit for dust**

CAS-No.

Control parameters 4 mg/m<sup>3</sup> (EH40 (UK))

type of exposition Respirable dust.

Control parameters 3 mg/m<sup>3</sup> Time Weighted Average (TWA):(ACGIH)

type of exposition Respirable particles.

**Engineering measures**

In case product dust is released:

Local ventilation.

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

If workplace exposure limit is exceeded apply Dust mask with P2 particle filter.

If dust occurs: Nose and mouth mask with P2 particle filter

If the limits at the workplace are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

**Hand protection**

Wear protective gloves made of the following materials: nitrile rubber (NBR), natural latex (NR), PVC.

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

**Eye protection**

safety glasses with side-shields

If dust occurs: basket-shaped glasses

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

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

If the limits at the workplace are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	powder
Colour	according to the coloration
Odour	odourless

**Safety data**

pH not applicable

Melting point/range &gt; 210 °C

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Boiling point/range	not applicable
Flash point	not applicable
flammability	not determined
Autoinflammability	does not ignite
Lower explosion limit	not known
Upper explosion limit	not known
Vapour pressure	not determined
Bulk density	not known
Water solubility	insoluble
Partition coefficient (n-octanol/water)	not applicable
Viscosity, dynamic	not known

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**10. STABILITY AND REACTIVITY**

Conditions to avoid	none known
Materials to avoid	none known
Hazardous decomposition products	decomposition products if heated above 250°C irritative gases/vapours, Carbon monoxide, carbon dioxide (CO <sub>2</sub> ), organic products of decomposition
Thermal decomposition	250 °C
Hazardous reactions	No dangerous reaction known under conditions of normal use.

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**11. TOXICOLOGICAL INFORMATION**

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

Human experience	Mechanical irritation of skin and mucous linings of eyes and respiratory tract may occur.
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**12. ECOLOGICAL INFORMATION****Elimination information (persistence and degradability)****Behaviour in environmental compartments****Ecotoxicity effects**

*Ecotoxicological tests with this preparation are not available.*

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**Further information on ecology**

Further Information                      The product is a solid, insoluble in water, chemically inert and virtually not biologically degradable.

No negative effects known.

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**13. DISPOSAL CONSIDERATIONS****Product**

Disposal according to local authority regulations.

**Uncleaned packaging**

Disposal according to local authority regulations.

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**14. TRANSPORT INFORMATION****Transport/further information**

Not classified as dangerous in the meaning of transport regulations.

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**15. REGULATORY INFORMATION****Labelling according to EC Directives**

Other data                                      According to the Dangerous Preparations Directive (1999/45/EG):  
no labelling

**National legislation**

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**16. OTHER INFORMATION****Risk phrase (R phrase) texts****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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