

SAFETY DATA SHEET (EC 1907/2006)

Deguvest HFG / F / CF / Impuls

Biosint supra

Cergo fit

Optivest / Optivest avanti

DeguDent

A Dentsply International Company

Material no.		Version	1.9 / GB
Specification	102859	Revision date	21.09.2010
VA-Nr		Print Date	23.09.2010
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name Deguvest HFG / F / CF / Impuls
Biosint supra
Cergo fit
Optivest / Optivest avanti

Company DeguDent GmbH
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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

Other Hazards

Can cause silicosis.
ammonia forms if heated above 200 °C.
ammonia Irritating to respiratory system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC

• Quarz			50% - 70%
CAS-No.	14808-60-7	EC-No.	238-878-4
• Cristobalite			10% - 30%
CAS-No.	14464-46-1	EC-No.	238-455-4
• magnesium oxide			5% - 15%
CAS-No.	1309-48-4	EC-No.	215-171-9
• ammonium dihydrogene-orthophosphate			5% - 15%
CAS-No.	7722-76-1	EC-No.	231-764-5

See chapter 16 for text of risk phrases

4. FIRST AID MEASURES

Inhalation

Upon formation of vapours/fumes (ammonia/):
Remove to fresh air.

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Possible discomfort:

Irritation and on occasion caustic effects to the mucous membranes (eyes, respiratory channels) are to be expected from local contact.

In case of complaints:

Consult a physician.

In case product dust is released:

Remove to fresh air.

Skin contact

Wash off immediately with plenty of water.

Eye contact

Following eye contact with ammonia - vapour

In case of complaints:

Rinse thoroughly with plenty of water keeping eyelid open.

Consult an ophthalmologist.

In case product dust is released:

Possible discomfort is due to foreign substance effect.

Rinse thoroughly with plenty of water keeping eyelid open.

If eye irritation persists, consult a specialist.

Ingestion

No particular measures required.

Indication of any immediate medical attention and special treatment needed

Specific therapy/antidote treatment: none known

Upon formation of vapours/fumes (ammonia/):

If required, therapy of irritative effect.

In case product dust is released:

Possible discomfort is due to foreign substance effect.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

All extinguishing substances suitable.

Special hazards arising from the substance or mixture

ammonia forms if heated above 200 °C.

The product itself does not burn.

Special protective equipment for fire-fighters

Employ protective equipment commonly used in the event of fire.

Advice for firefighters

Adapt fire extinguishing methods to site.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

In case of release dust:

As a rule, work only with respiratory protective equipment.

Methods and material for containment and cleaning up

Use mechanical handling equipment.

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7. HANDLING AND STORAGE

Handling

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices.

In case of release dust:

As a rule, work only with respiratory protective equipment.

In case of release vapours:

As a rule, work only with respiratory protective equipment.

If necessary: Local ventilation.

Storage

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool place.

Keep container tightly closed.

Use open containers immediately.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

• Quarz			
CAS-No.	14808-60-7	EC-No.	238-878-4
Control parameters	0.1 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Respirable.		
• Cristobalite			
CAS-No.	14464-46-1	EC-No.	238-455-4
Control parameters	0.1 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Respirable.		
• magnesium oxide			
CAS-No.	1309-48-4	EC-No.	215-171-9
Control parameters	4 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Respirable dust and/or fume.		
Control parameters	10 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Inhalable dust.		

Engineering measures

Ensure suitable suction/aeration at the work place and with operational machinery. Avoid formation of dust.

Personal protective equipment

Respiratory protection

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

If workplace exposure limit is exceeded apply Nose and mouth mask with P3 particle filter.

Hand protection

No particular measures required.

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Eye protection

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

Skin and body protection

suitable protective clothing recommended
Avoid contaminating clothes with product.
Change contaminated clothing.
Wash contaminated clothing after use.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practices.
When using, do not eat, drink or smoke. 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	almost odourless

Information on basic physical and chemical properties

pH	ca. 5
Melting point/range	> 1500 °C
Flash point	Not combustible.
Bulk density	1100 - 1200 kg/m ³
Water solubility	hardly soluble

10. STABILITY AND REACTIVITY

Conditions to avoid	No dangerous reaction known under conditions of normal use.
Incompatible materials	humidity, water
Hazardous decomposition products	ammonia
Possibility of hazardous reactions	Risk of decomposition when exposed to heat. ammonia forms if heated above 200 °C.

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. Irritation and on occasion caustic effects to the skin and mucous membranes (eyes, respiratory channels, in the stomach/intestinal tracts after swallowing) are to be expected from local contact.
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Further information

related to substance: ammonia vapours:

No dangerous reactions are known to occur with correct handling and storage.

In case of improper handling: May cause silicosis.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

No ecotoxicological studies are available.

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 classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Other data

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

National legislation

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.