

SAFETY DATA SHEET (EC 1907/2006)**DeguDent**

A Dentsply International Company

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

Material no.		Version	1.8 / GB
Specification	102859	Revision date	18.02.2009
VA-Nr		Print Date	09.06.2009
		Page	1 / 6

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
Postfach 1364
D-63403 Hanau

Telephone : +49 (0)6181/59-5767
Telefax : +49 (0)6181/59-5879
Email address : SDB@degudent.de
Emergency telephone number : +49 (0)180 / 23 24-555

Use of the Substance /
Preparation : For dental use only.

2. HAZARDS IDENTIFICATION**Additional safety information for humans and the environment**

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**

• 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/):

SAFETY DATA SHEET (EC 1907/2006)**DeguDent**

A Dentsply International Company

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

Material no.		Version	1.8 / GB
Specification	102859	Revision date	18.02.2009
VA-Nr		Print Date	09.06.2009
		Page	2 / 6

Remove to fresh air.

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.

Notes to physician

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.

Specific hazards during fire fighting

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.

Further information

Adapt fire extinguishing methods to site.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

In case of release dust:

SAFETY DATA SHEET (EC 1907/2006)**DeguDent**

A Dentsply International Company

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

Material no.		Version	1.8 / GB
Specification	102859	Revision date	18.02.2009
VA-Nr		Print Date	09.06.2009
		Page	3 / 6

As a rule, work only with respiratory protective equipment.

Methods for cleaning up

Use mechanical handling equipment.

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

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**Requirements for storage areas and containers**

Keep in a dry, cool place.

Keep container tightly closed.

Use open containers immediately.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace 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.		

SAFETY DATA SHEET (EC 1907/2006)**DeguDent**

A Dentsply International Company

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

Material no.		Version	1.8 / GB
Specification	102859	Revision date	18.02.2009
VA-Nr		Print Date	09.06.2009
		Page	4 / 6

Engineering measures

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

Personal protective equipment**Respiratory protection**

If the limits at the workplace 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.

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

Safety data

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.
Materials to avoid	humidity, water

SAFETY DATA SHEET (EC 1907/2006)**DeguDent**

A Dentsply International Company

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

Material no.		Version	1.8 / GB
Specification	102859	Revision date	18.02.2009
VA-Nr		Print Date	09.06.2009
		Page	5 / 6

Hazardous decomposition products ammonia

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.*

Further information No dangerous reactions are known to occur with correct handling and storage.
In case of improper handling: May cause silicosis.

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.
related to substance: ammonia vapours:

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)****Behaviour in environmental compartments****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.

SAFETY DATA SHEET (EC 1907/2006)**DeguDent**

A Dentsply International Company

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

Material no.		Version	1.8 / GB
Specification	102859	Revision date	18.02.2009
VA-Nr		Print Date	09.06.2009
		Page	6 / 6

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.