

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

A Dentsply International Company

BiOclus Gold**BiOclus Gold laser welding wire**

Material no.		Version	1.0 / GB
Specification	157208	Release Date	19.06.2006
VA-Nr		Print Date	06.10.2006
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name : BiOclus Gold
BiOclus Gold laser welding wire

Company : DeguDent GmbH
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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**Information on ingredients / Hazardous components**

• Gold		88.3%	
CAS-No.	7440-57-5	EC-No.	231-165-9
• platinum		9.6%	
CAS-No.	7440-06-4	EC-No.	231-116-1
• zinc		1.6%	
CAS-No.	7440-66-6	EC-No.	231-175-3
	F; R15, R17		
	N; R50, R53		
• Niobium		0.1%	
CAS-No.	7440-03-1	EC-No.	231-113-5
• Iridium		0.1%	
CAS-No.	7439-88-5	EC-No.	231-095-9
• Indium		0.3%	
CAS-No.	7440-74-6	EC-No.	231-180-0

See chapter 16 for text of risk phrases

3. HAZARDS IDENTIFICATION

Zinc oxide fumes is released during processing
When melting, soldering and grinding:
Do not breathe Dusts and vapours:.

4. FIRST AID MEASURES**Inhalation**

Dusts and vapours:

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Remove to fresh air.

Eye contact

Dusts and vapours:
Rinse thoroughly with plenty of water keeping eyelid open.
Consult an ophthalmologist.

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

All extinguishing substances suitable.

Specific hazards during fire fighting

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**

No special precautions required.

Methods for cleaning up

Use mechanical handling equipment.

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

When melting, soldering and grinding:
Do not breathe Dusts and vapours:.
Local ventilation.
No particular measures required if used correctly.
If occurs dust / vapour: Wear personal protective equipment

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters****Engineering measures**

Zinc oxide fumes is released during processing
When melting, soldering and grinding:
Local ventilation.

Personal protective equipment**Respiratory protection**

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

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Hand protection

No special protective equipment required.

Eye protection

Safety glasses with side-shields

Skin and body protection

No particular measures required.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practices.

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

Do not inhale fumes, dust, vapour.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	solid
Colour	yellow
Odour	odourless

Safety data

Melting point/range	1050 - 1130 °C
Density	19.1 g/cm ³

10. STABILITY AND REACTIVITY

Conditions to avoid	No restrictions
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11. TOXICOLOGICAL INFORMATION

Further information	No dangerous reactions are known to occur with correct handling and storage.
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12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)****Behaviour in environmental compartments****Ecotoxicity effects****Further information on ecology**

Further Information	Dusts and water soluble alloy types: Prevent penetration into soil, stretches of water and drainage systems.
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13. DISPOSAL CONSIDERATIONS**Product**

Can be used after re-conditioning.

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**• **zinc**

R15	Contact with water liberates extremely flammable gases.
R17	Spontaneously flammable in air.
R50	Very toxic to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.

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.