

SAFETY DATA SHEET (91/155/EWG)**DeguDent**
A Dentsply International Company**Degunorm Lot 930**

material No.		Version	1.0 / GB
specification	147460	Revision date	20.11.2003
VA-Nr		Print Date	30.03.04
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**Product information**

Trade name : Degunorm Lot 930

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		60.0%	
CAS-No.	7440-57-5	EC-No.	231-165-9
• platinum		0.4%	
CAS-No.	7440-06-4	EC-No.	231-116-1
• Iridium		0.1%	
CAS-No.	7439-88-5	EC-No.	231-095-9
• silver		34.2%	
CAS-No.	7440-22-4	EC-No.	231-131-3
• zinc		4.5%	
CAS-No.	7440-66-6	EC-No.	231-175-3
	F; R15, R17		
• Tin		0.8%	
CAS-No.	7440-31-5	EC-No.	231-141-8

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.
If eye irritation persists, consult a specialist.

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**

Do not breathe dust.
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**

- **platinum**

CAS-No.	7440-06-4	EC-No.	231-116-1
Control parameters	5 mg/m ³		Time Weighted Average (TWA):(EH40 OES)
	1 mg/m ³		Time Weighted Average (TWA):(EU ELV)

- **silver**

CAS-No.	7440-22-4	EC-No.	231-131-3
	0.1 mg/m ³		Time Weighted Average (TWA):(EH40 OES)
	0.1 mg/m ³		Time Weighted Average (TWA):(EU ELV)

- **Zinc oxide**

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CAS-No.	1314-13-2	EC-No.	215-222-5
	5 mg/m ³		Time Weighted Average (TWA):(EH40 OES)
	Fume.		
	10 mg/m ³		Short Term Exposure Limit (STEL):(EH40 OES)
	Fume.		

• **Tin**

CAS-No.	7440-31-5	EC-No.	231-141-8
	2 mg/m ³		Time Weighted Average (TWA):(EU ELV)

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.

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

Handle in accordance with good industrial hygiene and safety practice.
If there is the possibility of skin/eye contact the indicated hand/eye/body protection should be used.
If the limits at the workplace are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.
When using do not eat, drink or smoke. 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	880 - 930 °C
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10. STABILITY AND REACTIVITY

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Conditions to avoid No restrictions

11. TOXICOLOGICAL INFORMATION

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

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.

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 EEC Directive**

Other data The product does not need to be labelled in accordance with EC directives or respective national laws.

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National legislation**16. OTHER INFORMATION****Risk phrase (R phrase) texts**• **zinc**

R15

Contact with water liberates extremely flammable gases.

R17

Spontaneously flammable in air.

Further information

Changes since the last version will be 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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