

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

Material no.		Version	<b>1.6 / GB</b>
Specification	<b>102691</b>	Revision date	<b>21.09.2010</b>
VA-Nr		Print Date	<b>23.09.2010</b>
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**DequDent**  
A Dentsply International Company**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name	Degunorm
Company	DequDent 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.

REACH Registration No.: if available listed in Chapter. 3

**2. HAZARDS IDENTIFICATION****Other Hazards**

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC**

<b>• Gold</b>			73.8%
CAS-No.	7440-57-5	EC-No.	231-165-9
<b>• platinum</b>			9.0%
CAS-No.	7440-06-4	EC-No.	231-116-1
<b>• Iridium</b>			0.1%
CAS-No.	7439-88-5	EC-No.	231-095-9
<b>• silver</b>			9.2%
CAS-No.	7440-22-4	EC-No.	231-131-3
<b>• copper</b>			4.4%
CAS-No.	7440-50-8	EC-No.	231-159-6
<b>• zinc</b>			2.0%
CAS-No.	7440-66-6	EC-No.	231-175-3
			N; R50, R53
<b>• Indium</b>			1.5%
CAS-No.	7440-74-6	EC-No.	231-180-0

See chapter 16 for text of risk phrases

**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.

### Special hazards arising from the substance or mixture

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

No special precautions required.

### Methods and material for containment and cleaning up

Use mechanical handling equipment.

## 7. HANDLING AND STORAGE

### Handling

#### Precautions for safe handling

When melting, soldering and grinding:  
Do not breathe Dusts and vapours.  
In case of release Dusts and vapours:  
Local ventilation.  
No particular measures required if used correctly.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

• platinum			
CAS-No.	7440-06-4	EC-No.	231-116-1
Control parameters	1 mg/m <sup>3</sup>		Time Weighted Average (TWA):(EU ELV)
Control parameters	5 mg/m <sup>3</sup>		Time Weighted Average (TWA):(EH40 WEL)
• silver			
CAS-No.	7440-22-4	EC-No.	231-131-3
Control parameters	0.1 mg/m <sup>3</sup>		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	0.1 mg/m <sup>3</sup>		Time Weighted Average (TWA):(EU ELV)
	Indicative		
• copper			
CAS-No.	7440-50-8	EC-No.	231-159-6
Control parameters	0.2 mg/m <sup>3</sup>		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Fume.		

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Control parameters type of exposition	1 mg/m <sup>3</sup> Inhalable dusts and mists.	Time Weighted Average (TWA):(EH40 WEL)
Control parameters type of exposition	2 mg/m <sup>3</sup> Inhalable dusts and mists.	Short Term Exposure Limit (STEL):(EH40 WEL)
<b>• Indium</b>		
CAS-No.	7440-74-6	EC-No. 231-180-0
Control parameters type of exposition	4 mg/m <sup>3</sup> Respirable dust.	Time Weighted Average (TWA):(EH40 (UK))
Control parameters type of exposition	10 mg/m <sup>3</sup> Total inhalable dust.	Time Weighted Average (TWA):(EH40 (UK))
Control parameters	0.1 mg/m <sup>3</sup>	Time Weighted Average (TWA):(EH40 WEL)
Control parameters	0.3 mg/m <sup>3</sup>	Short Term Exposure Limit (STEL):(EH40 WEL)

**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 practices.  
If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.  
If workplace exposure limits 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

**Information on basic physical and chemical properties**

Melting point/range	900 - 990 °C
Density	16.7 g/cm <sup>3</sup>

**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

### 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 EC Directives

Other data

According to Annex VI (9.3), Directive 67/548/EEC hazard labelling is not required.

### National legislation

## 16. OTHER INFORMATION

### Risk phrase (R phrase) texts

- **zinc**

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.

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