

# SAFETY DATA SHEET (EC 1907/2006)

## Permador

Material no.		Version	1.3 / GB
Specification	102833	Revision date	14.01.2010
VA-Nr		Print Date	10.02.2010
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**DeguDent**  
A Dentsply International Company

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product information

Trade name	Permador
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

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

## 2. HAZARDS IDENTIFICATION

### Additional safety information for humans and the environment

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>			60.0%
CAS-No.	7440-57-5	EC-No.	231-165-9
• <b>platinum</b>			24.9%
CAS-No.	7440-06-4	EC-No.	231-116-1
• <b>Palladium</b>			15.0%
CAS-No.	7440-05-3	EC-No.	231-115-6
• <b>Iridium</b>			0.1%
CAS-No.	7439-88-5	EC-No.	231-095-9

See chapter 16 for text of risk phrases

## 4. FIRST AID MEASURES

### Inhalation

Dusts and vapours:  
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.

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### 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

none

### 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	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)

### DNEL/DMEL and PNEC values

#### Engineering measures

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.

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**DeguDent**  
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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 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	white
Odour	odourless

**Safety data**

Melting point/range	1320 - 1460 °C
Density	18.1 g/cm <sup>3</sup>

**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****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):
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no labelling

**National legislation**

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**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.