

SAFETY DATA SHEET (EC 1907/2006)

Phantom-Metall

Material no.		Version	1.3 / GB
Specification	102907	Revision date	22.09.2010
VA-Nr		Print Date	23.09.2010
		Page	1 / 4

DeguDent
A Dentsply International Company

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name	Phantom-Metall
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

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

• silver			5.0%
CAS-No.	7440-22-4	EC-No.	231-131-3
• copper			60.0%
CAS-No.	7440-50-8	EC-No.	231-159-6
• zinc			35.0%
CAS-No.	7440-66-6	EC-No.	231-175-3
	N; R50, R53		

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.

SAFETY DATA SHEET (EC 1907/2006)

Phantom-Metall

Material no.		Version	1.3 / GB
Specification	102907	Revision date	22.09.2010
VA-Nr		Print Date	23.09.2010
		Page	2 / 4

DeguDent
A Dentsply International Company

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

none

Methods and material for containment and cleaning up

Use mechanical handling equipment.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling

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

Control parameters

• silver			
CAS-No.	7440-22-4	EC-No.	231-131-3
Control parameters	0.1 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	0.1 mg/m ³ Indicative		Time Weighted Average (TWA):(EU ELV)
• copper			
CAS-No.	7440-50-8	EC-No.	231-159-6
Control parameters	0.2 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Fume.		
Control parameters	1 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Inhalable dusts and mists.		
Control parameters	2 mg/m ³		Short Term Exposure Limit (STEL):(EH40 WEL)
type of exposition	Inhalable dusts and mists.		

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.

SAFETY DATA SHEET (EC 1907/2006)

Phantom-Metall

Material no.		Version	1.3 / GB
Specification	102907	Revision date	22.09.2010
VA-Nr		Print Date	23.09.2010
		Page	3 / 4

DeguDent
A Dentsply International Company

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.
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

Information on basic physical and chemical properties

Melting point/range	770 - 880 °C
---------------------	--------------

10. STABILITY AND REACTIVITY

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

SAFETY DATA SHEET (EC 1907/2006)**Phantom-Metall**

Material no.		Version	1.3 / GB
Specification	102907	Revision date	22.09.2010
VA-Nr		Print Date	23.09.2010
		Page	4 / 4

DeguDent
A Dentsply International Company**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.