

Econolloy

material No.		Version	1.0 / GB
specification	145904	Revision date	15.09.2003
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 : Econolloy

Company : DeguDent GmbH
Postfach 1364
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		38.0%	
CAS-No.	7440-57-5	EC-No.	231-165-9
• Palladium		17.0%	
CAS-No.	7440-05-3	EC-No.	231-115-6
• silver		36.0%	
CAS-No.	7440-22-4	EC-No.	231-131-3
• Indium		8.9%	
CAS-No.	7440-74-6	EC-No.	231-180-0
• Iridium		0.1%	
CAS-No.	7439-88-5	EC-No.	231-095-9

See chapter 16 for text of risk phrases

3. HAZARDS IDENTIFICATION

When melting, soldering and grinding:
Do not breathe Dusts and vapours:.

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.

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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

- **silver**

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

- **Indium**

CAS-No.	7440-74-6	EC-No.	231-180-0
	0.1 mg/m ³		Time Weighted Average (TWA):(EH40 OES)
	0.3 mg/m ³		Short Term Exposure Limit (STEL):(EH40 OES)

Engineering measures

When melting, soldering and grinding:

Local ventilation.

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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	light yellow
Odour	odourless

Safety data

Melting point/range	1,020 - 1,075 °C
Density	13.1 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.

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 According to the Dangerous Preparations Directive (1999/45/EG):
no labelling

National legislation

16. OTHER INFORMATION**Risk phrase (R phrase) texts****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.

SAFETY DATA SHEET (91/155/EWG)**DeguDent**
A Dentsply International Company**Econolloy**

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