

**1. Commercial product name and company identification**

- 1.1 Commercial product name **CEKA SOL FILIGRAN**
- 1.2 Company ALPHADENT NV, Textielstraat 24,  
8790 Waregem, Belgium, + 32 (0)56 629 100
- 1.3 Emergency contact Belgian Poison Control Centre (24 hours)  
**070 245 245**  
or call a poison control centre in your area

**2. Composition**

- 2.1 Chemical characterization Metal alloy
- 2.2 Hazardous components **Contains: CAS / EINECS R-phrases**
- |        |                       |                    |
|--------|-----------------------|--------------------|
| Gold   | 7440-57-5 / 231-165-9 |                    |
| Copper | 7440-50-8 / 231-159-6 | R36/37/38          |
| Zinc   | 7440-66-6 / 231-175-3 |                    |
| Indium | 7440-74-6 / 231-180-0 | R20/21/22-36/37/38 |
- 2.3 Further information For incorporated flux, see Safety Data Sheet of CEKA SOL FLUX 1.

**3. Hazards identification**

This material contains indium. Indium, as pure element, may be harmful by inhalation, skin contact and if swallowed. The contact with dust and fumes may also cause skin, eye and upper respiratory tract irritation. Indium-containing alloys are widely utilized in the medical practice.

This material also contains copper. Copper may cause irritation of the upper respiratory tract when inhaled as fumes or dust. Copper-containing alloys are widely utilized in the medical practice.

**4. First aid measures**

- 4.1 Eye contact Flush with plenty of water.
- 4.2 Skin contact Wash with plenty of water and soap. Consult a skin specialist if irritation persists.
- 4.3 Ingestion Affected person should drink plenty of water. Seek medical advice.
- 4.4 Inhalation Move affected person to fresh air.

4.5 Further information None

**5. Fire-fighting measures**

5.1 Suitable extinguishing media Not applicable

5.2 Extinguishing media to avoid Not applicable

**6. Accidental release measures**

6.1 Personal precaution Avoid inhalation or ingestion of dust and contact with skin or eyes.

6.2 Environmental precautions Prevent contamination of soil, drains, and surface waters.

6.3 Cleaning methods Remove dust by vacuuming or wet sweeping to prevent powder dispersing in the air.

**7. Handling and storage**

7.1 Handling Avoid exposure to dust and wear protective clothing when melting and grinding. Avoid skin and eye contact with the dust. Grind and melt with adequate ventilation only. Do not eat, drink or smoke while working.

7.2 Storage Use containers to dispose of the waste powder. No special precautions are required for bulk (solid) shapes, such as rods or tubes.

**8. Exposure controls / personal protection**

8.1 Technical equipment No specific requirements

8.2 Control of threshold limits Not applicable

8.3 Personal protection

8.3.1 Respiratory equipment Avoid inhalation and ingestion of dust.

8.3.2 Hand protection Avoid skin contact with the dust.

8.3.3 Eye protection Safety goggles

**9. Physical and chemical properties**

9.1	Appearance	Tubes with incorporated flux
9.2	Colour	Yellow
9.3	Odour	Odourless
9.4	Change in physical state	Melting range: 780-820 °C
9.5	Density	16.5 g/cm <sup>3</sup>
9.6	Vapour pressure	Not applicable
9.7	Viscosity	Not applicable
9.8	Solubility	Not applicable
9.9	pH-value	Not applicable
9.10	Flash point	Not applicable
9.11	Ignition temperature	Not applicable
9.12	Explosion limits	Not applicable

**10. Stability and reactivity**

10.1	Stability	Stable
10.2	Hazardous reactions	None
10.3	Hazardous decomposition products	None
10.4	Materials to avoid	None

**11. Toxicological information**

Inhalation, skin contact, and ingestion may be harmful. Inhalation, skin and eye contact, and ingestion may cause irritation and sensitization in very sensitive individuals. If used according to manufacturer instructions, no harmful effects are produced.

**12. Ecological information**

Not biodegradable. Prevent contamination of soil, drains, and surface waters.

**13. Disposal considerations**

Product: dispose dust into containers to prevent powder dispersing in the air. Scraps are usually recycled.  
Packaging: packaging material should be reused, recycled or treated as household waste.

**14. Transport information**

This product is not classified for any mode of transportation.

**15. Regulatory information**

R-phrases

20/21/22

Harmful by inhalation, in contact with skin and if swallowed

36/37/38

Irritating to eyes, respiratory system and skin

S-phrases

26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

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Wear suitable protective clothing

37/39

Wear suitable gloves and eye/face protection

**16. Other information**

For incorporated flux, see Safety Data Sheet of CEKA SOL FLUX 1.

The above-mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

Ref. 91/155/EEC