

1. Commercial product name and company identification

- 1.1 Commercial product name **CEKA SOL W**
- 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 | |
| Nickel | 7440-02-0 / 231-111-4 | R40-43 |
| Zinc | 7440-66-6 / 231-175-3 | |
| Copper | 7440-50-8 / 231-159-6 | R36/37/38 |
- 2.3 Further information For incorporated flux, see Safety Data Sheet of CEKA SOL FLUX 1.

3. Hazards identification

This material contains nickel. Nickel, as pure element, may cause cancer. It may also cause harm, irritation, and sensitization by inhalation, skin contact, and ingestion. Nickel-containing alloys formed into bars, tubes or wires are widely utilized in the medical practice.

This material also contains copper. Copper may cause irritation to eyes, skin, and upper respiratory tract. Copper-containing alloys are widely utilized in the medical practice.

4. First aid measures

- 4.1 Eye contact Flush with plenty of water. Consult an eye specialist if irritation persists.
- 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.

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|-----|---------------------|--|
| 4.4 | Inhalation | Move affected person to fresh air and seek medical advice. |
| 4.5 | Further information | None |

5. Fire-fighting measures

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|-----|------------------------------|----------------|
| 5.1 | Suitable extinguishing media | Not applicable |
| 5.2 | Extinguishing media to avoid | Not applicable |

6. Accidental release measures

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|-----|---------------------------|---|
| 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

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|-----|----------|---|
| 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 bars or tubes. |

8. Exposure controls / personal protection

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|-------|-----------------------------|---|
| 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	White
9.3	Odour	Odourless
9.4	Change in physical state	Melting range: 865-930 °C
9.5	Density	15.8 g/cm ³
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

40 Possible risk or cancer
43 May cause sensitization by skin contact
36/37/38 Irritating to eyes, respiratory system and skin

S-phrases

22 Do not breathe dust
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
36 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