

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.  
Mixture: consisting of the following components
- 2.2 Hazardous components
- Copper**  
CAS / EINECS 7440-50-8 / 231-159-6
- Nickel**  
CAS / EINECS 7440-02-0 / 231-111-4
- Carc. Cat.3;  Xn,  Xi; R 40-43
- Zinc powder / zinc dust (pyrophoric)**  
CAS / EINECS 7440-66-6 / 231-175-3
-  F,  N; R 15-17-50/53
- Gold**  
CAS 7440-57-5
- 2.3 Further information For the wording of the listed risk phrases refer to section 16. For incorporated flux, see Safety Data Sheet of CEKA SOL FLUX 1.

3. Hazards identification

Hazard description:



Xn Harmful

Information concerning particular hazards for human and environment:

The product has to be labelled according to the calculation procedure of the "General Classification

guideline for preparations of the EU" in the latest valid version.

R 40 Limited evidence of a carcinogenic effect  
R 43 May cause sensitization by skin contact.  
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**4. First aid measures**

- |     |              |   |
|-----|--------------|---|
| 4.1 | Eye contact  | Rinse opened eye for several minutes under running water.   |
| 4.2 | Skin contact | Immediately wash with water and soap and rinse thoroughly.  |
| 4.3 | Ingestion    | Drink plenty of water and provide fresh air. Call for a doctor immediately.   |
| 4.4 | Inhalation   | Supply fresh air and call for a doctor.<br>In case of unconsciousness place patient in a stable laying down side position for transportation. |

**5. Fire-fighting measures**

- |     |  |   |
|-----|--|---|
| 5.1 | Suitable extinguishing media                       | CO <sub>2</sub> , powder or water spray. Fight larger fires with water spray or alcohol resistant foam. |
| 5.2 | For safety reasons unsuitable extinguishing agents | Not applicable  |
| 5.3 | Protective equipment                               | No special measures required  |

**6. Accidental release measures**

- |     |                                       |   |
|-----|---------------------------------------|---|
| 6.1 | Person-related safety precautions     | Avoid formation of dust.  |
| 6.2 | Measures for environmental protection | Inform respective authorities in case of seepage into watercourse or sewage system. |
| 6.3 | Measures for cleaning/collecting      | Dispose contaminated material as waste according to item 13.                        |

## 7. Handling and storage

- |     |          |                            |
|-----|----------|----------------------------|
| 7.1 | Handling | Prevent formation of dust. |
| 7.2 | Storage  | No special requirements    |

## 8. Exposure controls / personal protection

- |       |  |  |
|-------|--|--|
| 8.1   | Additional information about design of technical facilities            | No further data; see item 7.   |
| 8.2   | Ingredients with limit values that require monitoring at the workplace | <p><b>7440-02-2 nickel</b><br/>WEL (UK) Long-term value: 0.5*mg/m<sup>3</sup> (as Ni)</p> <p><b>7440-50-8 copper</b><br/>WEL (UK) Short-term value: 2** mg/m<sup>3</sup><br/>Long-term value: 0.2* 1** mg/m<sup>3</sup><br/>*fume **dusts and mists (as Cu)</p> <p>The lists valid during the making were used as basis for this document.</p> |
| 8.3   | Personal protective equipment  | <p>Keep away from food, beverages and petfood. Immediately remove all soiled and contaminated clothing.</p> <p>Wash hands before breaks and at the end of work.</p>  |
| 8.3.1 | Respiratory protection   | Not required   |
| 8.3.2 | Hand protection  | <p> Protective gloves</p> <p>Glove material: rubber gloves</p>  |
| 8.3.3 | Eye protection   | Not required   |
| 8.3.4 | Skin protection  | Not required   |

## 9. Physical and chemical properties

- |      |  |   |
|------|--|---|
| 9.1  | Form                                   | Solid   |
| 9.2  | Colour                                 | White   |
| 9.3  | Odour                                  | Odourless                                     |
| 9.4  | Change in condition                    | Melting range: 865-930 °C                     |
| 9.5  | Flash point                            | Not applicable                                |
| 9.6  | Ignition temperature                   | Not applicable                                |
| 9.7  | Self-igniting                          | Product is not self-igniting.                 |
| 9.8  | Danger of explosion                    | Product does not present an explosion hazard. |
| 9.9  | Density                                | Not determined                                |
| 9.10 | Solubility in / Miscibility with water | Insoluble                                     |

9.11 Solvent content:  
organic solvents 0.0 %

## 10. Stability and reactivity

10.1 Stability No decomposition if used according to specifications.  
10.2 Hazardous reactions No dangerous reactions known  
10.3 Hazardous decomposition products No dangerous decomposition products known.

## 11. Toxicological information

11.1 Acute toxicity  
11.2 Primary irritant effect:  
- on the skin: No irritant effect  
- on the eye: No irritating effect  
11.3 Sensitization May cause sensitization through skin contact.  
11.4 Additional toxicological information The product shows the following hazards according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

## 12. Ecological information

**Ecotoxicological effects:**  
Harmful to fish  
Harmful to aquatic organisms

## 13. Disposal considerations

**Product Recommendation:** Must not be disposed of together with household waste. Do not allow product to reach sewage system.

**Uncleaned packaging Recommendation:** Disposal must be made according to official regulations.

## 14. Transport information

Not regulated

**15. Regulatory information**

**Labelling according to EU guidelines:**

The product has been marked in accordance with EU Directives / respective national laws. 2004/73/CE; 2006/8/CE

**Code letter and hazard designation of product:**



Xn Harmful

**Hazard-determining components for labeling:**

Nickel

**Risk phrases**

40 Limited evidence of a carcinogenic effect  
43 May cause sensitization by skin contact.  
52/53 harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S phrases**

36/37 Wear suitable protective clothing and gloves.  
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**16. Other information**

**Relevant R-phrases**

15 Contact with water liberates extremely flammable gases.  
17 Spontaneously flammable in air.  
40 Limited evidence of a carcinogenic effect  
43 May cause sensitization by skin contact.  
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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