

**SAFETY DATA SHEET****Cavex Avalloy****1. Identification of the substance/preparation and of the company/undertaking**

**Product name** : Cavex Avalloy  
**Emergency telephone number** : Call local Poison Control Center for assistance.  
**Material uses** : Dental filling material  
**Manufacturer** : Cavex Holland  
 Harmenjansweg 19  
 PO Box 852  
 2003 RW Haarlem  
 The Netherlands  
  
 T +31 23 530 7700 E-Mail : dental@cavex.nl  
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**2. Composition/information on ingredients**

**Substance/preparation** : Preparation  
 Contains: Ag 45 %, Sn 30.5 %, Cu 24 %, Zn 0.5 %.

Chemical name*	CAS No.	%	EC number	Classification
Tin (Sn)	7440-31-5	30.5	231-141-8	Not available.
Copper (Cu)	7440-50-8	24	231-159-6	Not available.
See section 16 for the full text of the R Phrases declared above				

\* Occupational Exposure Limit(s), if available, are listed in section 8

**3. Hazards identification**

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Effects and symptoms**

**Ingestion** : Not considered to be dangerous for humans according to our database.  
**Skin Contact** : No significant irritation expected other than possible mechanical irritation.  
**Eye Contact** : No significant irritation expected other than possible mechanical irritation.  
**Aggravating conditions** : There is no known effect from chronic exposure to this product.

**4. First aid measures****First-Aid measures**

**Ingestion** : If large quantities of this material are swallowed, call a physician immediately.  
**Skin Contact** : Wash contaminated skin with soap and water.  
**Eye Contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.  
**First aid facilities** : Eyewash bottle with clean water.  
**Protection of first-aiders** : No special protection is required.

**5. Fire-fighting measures****Extinguishing Media**

**Suitable** : Use extinguishing media suitable for surrounding materials.  
**Unusual fire/explosion hazards** : None.  
**Hazardous thermal decomposition products** : Some metallic oxides.  
**Special fire-fighting procedures** : No special measures required.  
**Protection of fire-fighters** : No special protection is required.

## 6. Accidental release measures

- Personal precautions** : No special protection is required.  
**Environmental precautions and clean-up methods** : Use a shovel to put the material into a convenient waste disposal container.

**Note:** see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Manipulate in a well-ventilated area or under an adequate fume hood.  
**Storage** : No specific storage is required.  
**Packaging materials**  
**Suitable** : Use original container.

## 8. Exposure controls/personal protection

- Engineering measures** : Ventilation is normally required when handling or using this product.  
**Hygiene measures** : Not applicable.

**Ingredient name**

Tin (Sn)

Copper (Cu)

**Occupational exposure limits****Nationale MAC-lijst (Netherlands).**TGG: 2 mg/m<sup>3</sup> 8 hour(s). Form: Dust**Nationale MAC-lijst (Netherlands).**TGG: 1 mg/m<sup>3</sup> 8 hour(s). Form: Dust**Personal protective equipment**

- Skin and body** : Lab coat.  
**Hands** : PVC gloves.  
**Eyes** : Safety glasses.

## 9. Physical and chemical properties

- Physical state** : Solid. (Powder.Tablet.)  
**Color** : Dark grey.  
**Odor** : Odorless.  
**pH** : Not applicable.  
**Melting point** : 1083°C (1981.4°F) based on data for: Copper (Cu).  
**Flash point** : Not applicable.  
**Explosive properties** : None.  
**Oxidizing properties** : None.  
**Density** : 9.5 g/cm<sup>3</sup>  
**Solubility** : Insoluble in cold water.

## 10. Stability and reactivity

- Stability** : The product is stable.  
**Conditions to avoid** : No additional remark.  
**Materials to avoid** : None.  
**Hazardous Decomposition Products** : Some metallic oxides.

## 11. Toxicological information

**Local effects**

- Skin irritation** : Non-irritant for skin.  
**Eye irritation** : No significant irritation expected other than possible mechanical irritation.  
**Sensitization** : Non-sensitizer.  
**Chronic toxicity** : There is no known effect from chronic exposure to this product.

## 12. Ecological information

**Mobility** : Insoluble in water

## 13. Disposal considerations

**Methods of disposal ; Waste of residues ; Contaminated packaging** : Hazardous waste. Recycle, if possible.  
The waste water drain of the spittoon should be equipped with an amalgam separator. Local regulations on the type and installation of such separator and handling/recycling of the amalgam waste should be taken in consideration. For details see for example JADA, august 2003, KEVIN R. MACMANUS, M.A., M.B.A.; P.L. FAN, Ph.D. "Purchasing, installing and operating dental amalgam separators, Practical issues".  
Excess mixed amalgam should be kept in a special 'Mercontainer' or at least in a closed container filled with photographic fixer.

**Waste classification** : Not applicable.

**European waste catalogue (EWC)** : 18 01 10 amalgam waste from dental care

**Hazardous waste** : Yes.

## 14. Transport information

### International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not regulated.	-	-	Not available.		Not available.
ADN Class	Not regulated.	-	-	Not available.		Not available.
IMDG Class	Not regulated.	-	-	Not available.		Not available.
IATA-DGR Class	Not regulated.	-	-	Not available.		Not available.

## 15. Regulatory information

### EU Regulations

**Risk Phrases** : This product is not classified according to the EU regulations.

**Product use** : Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.  
- Industrial applications.

**EC Statistical classification (Tariff Code)** : 32089091

### National regulations

## 16. Other information

**Full text of R phrases referred to in sections 2 and 3 - Netherlands** : Not applicable.

**Full text of classifications referred to in sections 2 and 3 - Netherlands** : Not applicable.

**History**

**Date of printing** : 3-12-2004.

**Date of issue** : 3-12-2004.

**Version** : 2.1

### Notice to reader

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