

## 1 Identification

### · Product identifier

- Trade name: **Wieland KC1**
- Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
- Application of the substance / the preparation: Semi-finished product

### · Details of the supplier of the safety data sheet

- Manufacturer/Supplier:  
Wieland-Werke AG  
Graf-Arco-Straße 36  
89079 Ulm (Germany)  
Tel.: +49 (0)731/944-0  
Fax: +49 (0)731/944-2799
- Information department:  
Department testing laboratories  
michael.ebner@wieland.de
- Emergency telephone number:  
Factory security offices  
Phone: +49 (0) 731-944-3706

## 2 Hazard(s) identification

### · Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008 (CLP-Regulation):  
For products there is no obligation to classify acc. to CLP -Regulation.  
The product is not classified according to the CLP regulation.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.
- Information concerning particular hazards for human and environment:  
The product does not have to be labeled due to the calculation procedure of international guidelines.
- Classification system: Not applicable

### · Label elements

- Labelling according to Regulation (EC) No 1272/2008: Void
- Hazard pictograms: Void
- Signal word: Void

- Hazard-determining components of labeling: Void
- Hazard statements: Void

### · Other hazards

- Semi-finished products from copper or copper-alloys, as offered for sale as manufactured present no health hazard to man or for the aquatic environment.
- Results of PBT and vPvB assessment
- PBT: Not applicable to metals
- vPvB: Not applicable to metals.

## 3 Composition/information on ingredients

### · Chemical characterization: Mixtures

- Description: Metal in compact form.
- UNS-number: C18700
- Information:

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The classifications mentioned below reflect the respective pure substance and are for information only.

Copper alloys are special preparations according to Regulation (EC) 1907/2006 (REACH Regulation).

The classification of a pure substance is not applicable to its use as element of a copper alloy.

· Components:		
CAS: 7440-50-8 EINECS: 231-159-6 RTECS: GL 5325000	copper	balance%
CAS: 7439-92-1 EINECS: 231-100-4 RTECS: OF 7525000	lead	0.7-1.5%
·		
CAS: 7723-14-0 EINECS: 231-768-7 RTECS: TH 3495000	phosphorus	0.003-0.012%

#### 4 First-aid measures

##### · Description of first aid measures

##### · General information:

No special measures required.

First Aid information refer to any dust which is generated.

##### · After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

##### · After skin contact: Immediately wash with water and soap and rinse thoroughly.

##### · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

##### · After swallowing: Rinse out mouth and then drink plenty of water.

##### · Information for doctor:

##### · Most important symptoms and effects, both acute and delayed:

No further relevant information available.

##### · Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

#### 5 Fire-fighting measures

##### · Extinguishing media

##### · Suitable extinguishing agents:

Non-flammable. Use fire fighting measures that suit the environment.

##### · Special hazards arising from the substance or mixture

No further relevant information available.

##### · Advice for firefighters

Protective equipment: No special measures required.

#### 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures:** Not required.

· **Environmental precautions:** Not required

· **Methods and material for containment and cleaning up:**

Dispose of the collected material according to regulations.

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- **Reference to other sections:**

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

## 7 Handling and storage

- **Handling:**

- Precautions for safe handling: No special measures required.
- Information about protection against explosions and fires: No special measures required.

- **Conditions for safe storage, including any incompatibilities**

- Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Further information about storage conditions: None.
- **Specific end use(s):** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- Components with limit values that require monitoring at the workplace:

### 7440-50-8 copper

PEL	Long-term value: 1* 0.1** mg/m <sup>3</sup> as Cu *dusts and mists **fume
REL	Long-term value: 1* 0.1** mg/m <sup>3</sup> as Cu *dusts and mists **fume
TLV	Long-term value: 1* 0.2** mg/m <sup>3</sup> *dusts and mists; **fume; as Cu

### 7439-92-1 lead

PEL	Long-term value: 0.05* mg/m <sup>3</sup> *see 29 CFR 1910.1025
REL	Long-term value: 0.05* mg/m <sup>3</sup> *8-hr TWA, excl. lead arsenate; See PocketGuideApp.C
TLV	Long-term value: 0.05* mg/m <sup>3</sup> *and inorganic compounds, as Pb; BEI

- Ingredients with biological limit values:

### 7439-92-1 lead

BEI	30 µg/100 ml Medium: blood Time: not critical Parameter: Lead
	10 µg/100 ml Medium: blood Time: not critical Parameter: Lead (women of child bearing potential)

- Additional information: The lists that were valid during the creation were used as basis.

- **Exposure controls**

- Personal protective equipment:
- General protective and hygienic measures:  
Wash hands before breaks and at the end of work.

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- Do not inhale dust / smoke / mist.
- Breathing equipment: Use a suitable industrial gas mask when work-place-limits are exceeded.
- Protection of hands:
  - Protective gloves are recommended, depending upon how the semis are further processed.
- Eye protection:
  - Protective goggles are recommended, depending upon how the semis are further processed.
- Body protection:
  - Wear suitable protective clothing, depending upon how the semis are further processed.

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form:	Solid
Color:	copper red
· Odor:	Odorless
· Odour threshold:	Not determined.

#### · Change in condition

Melting point/Melting range:	1079 °C (1974 °F) (Lit. )
Boiling point/Boiling range:	Undetermined.

· Flash point: Not applicable.

· Danger of explosion: Product does not present an explosion hazard.

· Density at 20 °C (68 °F): 8.94 g/cm<sup>3</sup> (74.604 lbs/g al)

#### · Solubility in / Miscibility with

Water: Not soluble.

· **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity:** Not applicable.
- Chemical stability: Not applicable.
- Thermal decomposition / conditions to be avoided:
  - No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

### · Information on toxicological effects

#### · Acute toxicity:

#### · Primary irritant effect:

- on the skin: No irritant effect.
- on the eye: No irritating effect.

· Sensitization: No sensitizing effects known.

#### · Additional toxicological information:

When used and handled according to specifications, the article does not have any harmful effects to our experience and the information provided to us.

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## · Carcinogenic categories

## · IARC (International Agency for Research on Cancer)

7439-92-1 | lead

2B

## · NTP (National Toxicology Program)

7439-92-1 | lead

R

## 12 Ecological information

· **Toxicity**

· Aquatic toxicity: No further relevant information available.

· **Persistence and degradability:** No further relevant information available.· **Behavior in environmental systems**

· Bioaccumulative potential: No further relevant information available.

· Mobility in soil: No further relevant information available.

· **Additional ecological information**

## · General notes:

For semi-finished products in copper or copper-alloys no information regarding ecology is suitable, as it is not soluble in water.

· **Results of PBT and vPvB assessment**

· PBT: Not applicable to metals.

· vPvB: Not applicable to metals.

· **Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**

· Recommendation: Contact manufacturer for recycling information.

## 14 Transport information

· **UN-Number**

· DOT, ADR, ADN, IMDG, IATA

Void

· **UN proper shipping name**

· DOT, ADR, ADN, IMDG, IATA

Void

· **Transport hazard class(es)**

· DOT, ADR, ADN, IMDG, IATA

· Class

Void

· **Packing group**

· DOT, ADR, IMDG, IATA

Void

· **Environmental hazards:**

· Marine pollutant:

No

· **Special precautions for user:**

Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable.

USA

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### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Sara

- Section 355 (extremely hazardous substances):

None of the ingredients is listed.	
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- Section 313 (Specific toxic chemical listings):

7440-50-8	copper
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7439-92-1	lead
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- TSCA (Toxic Substances Control Act):

7440-50-8	copper
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7439-92-1	lead
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- Proposition 65

- Chemicals known to cause cancer:

7439-92-1	lead
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- Chemicals known to cause reproductive toxicity for females:

7439-92-1	lead
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- Chemicals known to cause reproductive toxicity for males:

7439-92-1	lead
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- Chemicals known to cause developmental toxicity:

7439-92-1	lead
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- Cancerogenity categories

- EPA (Environmental Protection Agency)

7440-50-8	copper	D
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7439-92-1	lead	B2
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- TLV (Threshold Limit Value established by ACGIH)

7439-92-1	lead	A3
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- NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.	
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- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.	
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- Chemical safety assessment void.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific article features and shall not establish a legally valid contractual relationship

- **Department issuing MSDS:** Department testing laboratories

- **Contact:**

Dr. Michael Ebner

Phone (+)49 (0)731/944-3706

- \* Data compared to the previous version altered.