

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- Trade name: **Wieland BW8**
- Relevant identified uses of the substance or mixture and uses advised against
- 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 Hazards 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.
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- 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 labelled due to the calculation procedure of international guidelines.
- Classification system: Not applicable
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- **Label elements**
- Labelling according to Regulation (EC) No 1272/2008: Void
- Hazard pictograms: Void
- Signal word: Void
- Hazard-determining components of labelling: 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: -
- 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.

Mentioned percentages are references values

- Components:

<ul style="list-style-type: none"> CAS: 7440-50-8 EINECS: 231-159-6 RTECS: GL 5325000 	copper	balance%
<ul style="list-style-type: none"> CAS: 7440-31-5 EINECS: 231-141-8 RTECS: XP 7320000 	tin	7.5-8.5%
<ul style="list-style-type: none"> CAS: 7723-14-0 EINECS: 231-768-7 RTECS: TH 3495000 	phosphorus	0.01-0.4%

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 Firefighting 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	1* 0.1** mg/m ³ as Cu *dusts and mists **fume
REL	1* 0.1 R** mg/m ³ as Cu *dusts and mists **fume
TLV	Short-term value: 0.1** mg/m ³ Long-term value: 1* 0.2** mg/m ³ *dusts and mists; **fume; as Cu

7440-31-5 tin

PEL	2 mg/m ³ metal
REL	2 mg/m ³
TLV	2 mg/m ³ metal

- 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.

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.

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9 Physical and chemical properties

· Information on basic physical and chemical properties

- General Information
 - Appearance:

Form:	Solid
Color:	Golden
 - Odor: Odorless
 - Odour threshold: Not determined.
- | | |
|-----------------------|---|
| · Change in condition | Melting point/Melting range: 800-950°C (1472-1742°F) (Lit.) |
| | Boiling point/Boiling range: 2362°C (4284°F) |
- Flash point: Not applicable.
 - Danger of explosion: Product does not present an explosion hazard.
 - Density at 20°C (68°F): 8.92 g/cm³ (74.437 lbs/gal)
 - Solubility in / Miscibility with

Water:	Not soluble.
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 - **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.

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.

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- **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

- DOT regulations:
- Hazard class: -
- **Land transport ADR/RID (cross-border):**
- ADR/RID class: -
- **Maritime transport IMDG:**
- IMDG Class: -
- Marine pollutant: No
- **Air transport ICAO-TI and IATA-DGR:**
- ICAO/IATA Class: -
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

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.

- Section 313 (Specific toxic chemical listings):

7440-50-8 | copper

- TSCA (Toxic Substances Control Act):

7440-50-8 | copper

7440-31-5 | tin

- Proposition 65

- Chemicals known to cause cancer:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

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· Chemicals known to cause developmental toxicity:
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None of the ingredients is listed.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

7440-50-8 copper	D
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· IARC (International Agency for Research on Cancer)
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None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)
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None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)
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None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· 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

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