

1 Identification of the article and of the company:**· Product identifier**

- Trade name: **Wieland NA7**
- Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
- Application of the article: 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
- Further information obtainable from:
Department testing laboratories
michael.ebner@wieland.de
- Information in case of emergency:
Factory security offices
Phone: +49 (0) 731-944-3706
- Remarks for information sheet:
Semi-finished products from copper and copper-alloy are articles according to Regulation (EC) No. 1907/2006 (REACH Regulation).
For articles there is no legal obligation to issue a safety data sheet. However, to be able to provide information typically included in a safety data sheet also for articles, the present information sheet for articles has been worked out.
We expressly point out that the information sheet for articles is a voluntarily issued information sheet which is not subject to the formal requirements of the REACH Regulation.

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.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.
- Information concerning particular hazards for human and environment: Not applicable.
- **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**
 - 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.
- Information:
The classifications mentioned below reflect the respective pure substance and are for information only.

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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.

- Alloy components:

Mentioned percentages are references values.

CAS: 7440-02-0 EINECS: 231-111-4	nickel ☠ T R48/23; ☒ Xn R40; ☒ Xi R43 Carc. Cat. 3 ☠ Carc. 2, H351; STOT RE 1, H372; ⚠ Skin Sens. 1, H317	3%
CAS: 7440-50-8 EINECS: 231-159-6	copper	60%
CAS: 7440-66-6 EINECS: 231-175-3	zinc	balance%

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 material collected according to regulations.

- Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

• Handling

- Precautions for safe handling: No special measures required.
- Information about fire - and explosion protection: 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 facilities:** No further data; see item 7.

• Control parameters

- Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional Occupational Exposure Limit Values for possible hazards during processing:

general dust limit (A - alveolar fraction, E - respirable fraction)
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AGW (Germany) (A) 3 (E)10 mg/m ³

- Additional information:

The lists valid during the making were used as basis.
For the abbreviations, please refer to TRGS 900.

• 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.
- Respiratory protection: 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
Colour:	silver-grey
• Odour:	Odourless
• Odour threshold:	Not determined.

- Change in condition

Melting point/Melting range: 880-910 °C (Lit.)

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Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20 °C:	8,43 g/cm ³
· 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.

12 Ecological information

- **Toxicity**
- Aquatic toxicity: No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behaviour in environmental systems**
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
- **Additional ecological information**
- General notes: Semi-finished articles from copper and copper-alloy are 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.

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- European waste catalogue
- 12 01 03: non-ferrous metal filings and turnings
- 16 01 18: non-ferrous metal

14 Transport information

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|---|-----------------|
| · UN-Number | Void |
| · ADR, ADN, IMDG, IATA | |
| · UN proper shipping name | Void |
| · ADR, ADN, IMDG, IATA | |
| · Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · Packing group | Void |
| · ADR, IMDG, IATA | |
| · 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**
- Chemical safety assessment: void.
- Waterhazard class: Generally not hazardous for water

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 information sheet:** Department testing laboratories
- **Contact:**
Dr. Michael Ebner
Phone (+)49 (0)731/944-3706