

## SECTION 1: Identification of the article and of the company:

- **1.1 Product identifier**
  - Trade name: **Wieland U35**
  - **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
  - Application of the article: semi-finished product
- 
- **1.3 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 Corporate EHS and Standardization Affairs  
stefan.priggemeyer@wieland.com
  - **1.4 Information in case of emergency:**  
Factory security offices  
Phone: +49 (0) 731-944-2794
  - 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.

## SECTION 2: Hazards identification

- **2.1 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.
- 
- **2.2 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
  - **2.3 Other hazards**
  - Results of PBT and vPvB assessment
  - PBT: Not applicable to metals
  - vPvB: Not applicable to metals.

## SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- Description: Metal in compact form.
- Material code (DIN CEN/TS 13388:2015-08): CuAl10Ni5Fe4
- Material number (DIN CEN/TS 13388:2015-08): CW307G
- UNS-number: -

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· **Information:**

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.

· **Alloy components:**

|                                     |  |           |
|-------------------------------------|--|-----------|
| CAS: 7429-90-5<br>EINECS: 231-072-3 | aluminium<br>substance with a Community workplace exposure limit | 8.4-11.0% |
| CAS: 7440-02-0<br>EINECS: 231-111-4 | nickel<br>☠ Carc. 2, H351; STOT RE 1, H372; ☠ Skin Sens. 1, H317 | 4.0-6.0%  |
| CAS: 7439-96-5<br>EINECS: 231-105-1 | manganese<br>substance with a Community workplace exposure limit | 0-1.0%    |
| CAS: 7440-50-8<br>EINECS: 231-159-6 | copper   | balance%  |
| CAS: 7439-89-6<br>EINECS: 231-096-4 | iron   | 3,-5.0%   |

## SECTION 4: First aid measures

· **4.1 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.

· **4.2 Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

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

· **5.2 Special hazards arising from the substance or mixture:**

No further relevant information available.

· **5.3 Advice for firefighters:**

· Protective equipment: No special measures required.

## SECTION 6: Accidental release measures

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

· **6.2 Environmental precautions:** Not required

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

Dispose contaminated material as waste according to item 13.

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- **6.4 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.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling:** No special measures required.  
Information about fire - and explosion protection: No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - Storage
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Further information about storage conditions:  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s):** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

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

- **8.1 Control parameters**

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

**7429-90-5 aluminium**

|               |   |
|---------------|---|
| AGW (Germany) | Long-term value: 1.25* 10** mg/m <sup>3</sup><br>2(II);*alveolengängig**eintembar; AGS, DFG |
|---------------|---|

**7440-02-0 nickel**

|               |  |
|---------------|--|
| AGW (Germany) | Long-term value: 0.006 A mg/m <sup>3</sup><br>8(II);AGS, 10, Sh, Y |
|---------------|--|

**7439-96-5 manganese**

|               |  |
|---------------|--|
| AGW (Germany) | Long-term value: 0.02A; 0.2E mg/m <sup>3</sup><br>8(II);DFG,Y,10, 20                       |
| IOELV (EU)    | Long-term value: 0.2* 0.05** mg/m <sup>3</sup><br>as Mn; *inhalable, **respirable fraction |

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

**general dust limit (A - alveolar fraction, E - respirable fraction)**

|               |                               |
|---------------|-------------------------------|
| AGW (Germany) | (A) 3 (E)10 mg/m <sup>3</sup> |
|---------------|-------------------------------|

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

- **8.2 Exposure controls**

- Personal protective equipment:
- General protective and hygienic measures:  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
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.

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- 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

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

- General Information
- Appearance:
 

|         |                 |
|---------|-----------------|
| Form:   | Solid           |
| Colour: | metallic-yellow |
- Odour: Odourless
- Odour threshold: Not determined.

- Change in condition
 

|  |                     |
|--|---------------------|
| Melting point/freezing point:            | 1050-1080 °C (Lit.) |
| Initial boiling point and boiling range: | Undetermined.       |

- Flash point: Not applicable.

- Explosive properties: Product does not present an explosion hazard.

- Density at 20 °C: 7.45 g/cm<sup>3</sup> (Lit.)

- Solubility in / Miscibility with water: Not soluble.

- **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

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

### SECTION 11: Toxicological information

#### · 11.1 Information on toxicological effects

- Acute toxicity Based on available data, the classification criteria are not met.
- Primary irritant effect
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- 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.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.

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- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- Aquatic toxicity: No further relevant information available.
- **12.2 Persistence and degradability:** No further relevant information available.
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 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.
- **12.5 Results of PBT and vPvB assessment**
- PBT: Not applicable to metals.
- vPvB: Not applicable to metals.
- **12.6 Other adverse effects:** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- Recommendation: Contact manufacturer for recycling information.
- Waste disposal key:
  - 12 01 03: non-ferrous metal filings and turnings
  - 16 01 18: non-ferrous metal

### SECTION 14: Transport information

- |  |                 |
|--|-----------------|
| · <b>14.1 UN-Number</b>  | Void            |
| · ADR, ADN, IMDG, IATA   |                 |
| · <b>14.2 UN proper shipping name</b>  | Void            |
| · ADR, ADN, IMDG, IATA   |                 |
| · <b>14.3 Transport hazard class(es)</b>   | Void            |
| · ADR, ADN, IMDG, IATA   |                 |
| · Class  |                 |
| · <b>14.4 Packing group</b>  | Void            |
| · ADR, IMDG, IATA  |                 |
| · <b>14.5 Environmental hazards:</b>   | Not applicable. |
| · <b>14.6 Special precautions for user:</b>  | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b> | Not applicable. |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Chemical safety assessment: void.

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- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Waterhazard class: Generally not hazardous for water

**SECTION 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 Corporate EHS and Standardization Affairs
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- \* Data compared to the previous version altered.

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