

## 1 Identification

### 1.1 Product identifier

Trade name: **Wieland L18**

### 1.2 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

### 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

Information department:

Department testing laboratories

michael.ebner@wieland.de

### 1.4 Emergency telephone number:

Factory security offices

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

## 2 Hazard(s) 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 labeling: Void

Hazard statements: Void

### 2.3 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

### 3.2 Chemical characterization: Mixtures

Description: Metal in compact form.

UNS-number: -

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.

Components:

Mentioned percentages are reference values.

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|  |  |          |
|--|--|----------|
| CAS: 7440-50-8<br>EINECS: 231-159-6<br>RTECS: GL 5325000 | copper   | balance% |
| CAS: 7440-02-0<br>EINECS: 231-111-4                      | nickel<br>☠ Carc. 2, H351; STOT RE 1, H372; ⚠ Skin Sens. 1, H317 | 10%      |
| CAS: 7439-89-6<br>EINECS: 231-096-4<br>RTECS: NO 4565500 | iron   | 1.6%     |
| CAS: 7439-96-5<br>EINECS: 231-105-1<br>RTECS: OO 9275000 | manganese  | 0.7%     |

#### 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.

#### 5 Fire-fighting 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.

#### 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.

- **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.

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## 7 Handling and storage

- **7.1 Precautions for safe handling:** No special measures required.
- Information about protection against explosions and fires: 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: None.
- **7.3 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.

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

#### 7440-02-0 nickel

|     |  |
|-----|--|
| PEL | Long-term value: 1 mg/m <sup>3</sup>                                       |
| REL | Long-term value: 0.015 mg/m <sup>3</sup><br>as Ni; See Pocket Guide App. A |
| TLV | Long-term value: 1.5* mg/m <sup>3</sup><br>elemental, *inhalable fraction  |

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

### 9.1 Information on basic physical and chemical properties

- General Information
- Appearance:

Form: Solid

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|                                    |   |
|------------------------------------|---|
| Color:                             | silver-grey                                   |
| · Odor:                            | Odorless                                      |
| · Odor threshold:                  | Not determined.                               |
| · Change in condition              |   |
| Melting point/Melting range:       | Undetermined.                                 |
| 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):        | 8.9 g/cm <sup>3</sup> (74.271 lbs/gal) (Lit.) |
| · Solubility in / Miscibility with |   |
| Water:                             | Not soluble.                                  |
| · <b>9.2 Other information</b>     | No further relevant information available.    |

## 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.

## 11 Toxicological information

- **11.1 Information on toxicological effects**
- Acute toxicity: Based on available data, the classification criteria are not met.
- Primary irritant effect:
- on the skin: Based on available data, the classification criteria are not met.
- on the eye: Based on available data, the classification criteria are not met.
- Sensitization: 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.
- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

|           |        |    |
|-----------|--------|----|
| 7440-02-0 | nickel | 2B |
|-----------|--------|----|

- NTP (National Toxicology Program)

|           |        |   |
|-----------|--------|---|
| 7440-02-0 | nickel | R |
|-----------|--------|---|

- OSHA-Ca (Occupational Safety & Health Administration)

|                                    |  |  |
|------------------------------------|--|--|
| None of the ingredients is listed. |  |  |
|------------------------------------|--|--|

## 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.

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- **12.4 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.
- **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.

### 13 Disposal considerations

- **13.1 Waste treatment methods**
- Recommendation: Contact manufacturer for recycling information.

### 14 Transport information

- |  |                 |
|--|-----------------|
| · <b>14.1 UN-Number</b>  |                 |
| · DOT, ADR, ADN, IMDG, IATA  | Void            |
| · <b>14.2 UN proper shipping name</b>  |                 |
| · DOT, ADR, ADN, IMDG, IATA  | Void            |
| · <b>14.3 Transport hazard class(es)</b>   |                 |
| · DOT, ADR, ADN, IMDG, IATA  |                 |
| · Class  | Void            |
| · <b>14.4 Packing group</b>  |                 |
| · DOT, ADR, IMDG, IATA   | Void            |
| · <b>14.5 Environmental hazards:</b>   |                 |
| · Marine pollutant:  | No              |
| · <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. |

### 15 Regulatory information

- **15.1 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    |
| 7440-02-0   | nickel    |
| 7439-96-5   | manganese |
| · TSCA (Toxic Substances Control Act):            |           |
| All ingredients are listed.                       |           |

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- Proposition 65

- Chemicals known to cause cancer:

|           |        |
|-----------|--------|
| 7440-02-0 | nickel |
|-----------|--------|

- 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. |  |
|------------------------------------|--|

- Chemicals known to cause developmental toxicity:

|                                    |  |
|------------------------------------|--|
| None of the ingredients is listed. |  |
|------------------------------------|--|

- Carcinogen categories

- EPA (Environmental Protection Agency)

|           |        |   |
|-----------|--------|---|
| 7440-50-8 | copper | D |
|-----------|--------|---|

|           |           |   |
|-----------|-----------|---|
| 7439-96-5 | manganese | D |
|-----------|-----------|---|

- TLV (Threshold Limit Value established by ACGIH)

|           |        |    |
|-----------|--------|----|
| 7440-02-0 | nickel | A5 |
|-----------|--------|----|

- NIOSH-Ca (National Institute for Occupational Safety and Health)

|           |        |
|-----------|--------|
| 7440-02-0 | nickel |
|-----------|--------|

- 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

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- \* Data compared to the previous version altered.