

1 Identification

1.1 Product identifier

Trade name: **Wieland G96**

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.

(Contd. on page 2)

US

Trade name: **Wieland G96**

(Contd. of page 1)

CAS: 7440-50-8 EINECS: 231-159-6 RTECS: GL 5325000	copper	balance%
CAS: 7440-31-5 EINECS: 231-141-8 RTECS: XP 7320000	tin	14%
CAS: 7440-02-0 EINECS: 231-111-4	nickel ☠ Carc. 2, H351; STOT RE 1, H372; ⚠ Skin Sens. 1, H317	4%

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.

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.

(Contd. on page 3)

Trade name: **Wieland G96**

(Contd. of page 2)

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

7440-31-5 tin

PEL	Long-term value: 2 mg/m ³ metal
REL	Long-term value: 2 mg/m ³
TLV	Long-term value: 2 mg/m ³ metal

7440-02-0 nickel

PEL	Long-term value: 1 mg/m ³
REL	Long-term value: 0.015 mg/m ³ as Ni; See Pocket Guide App. A
TLV	Long-term value: 1.5* mg/m ³ 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.

US

(Contd. on page 4)

Trade name: **Wieland G96**

(Contd. of page 3)

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- General Information
- Appearance:
 - Form: Solid
 - Color: copper red
- Odor: Odorless
- Odor threshold: Not determined.
- Change in condition
 - Melting point/Melting range: 850-1015 °C (1562-1859 °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): 8.6 g/cm³ (71.767 lbs/gal) (Lit.)
- Solubility in / Miscibility with
 - Water: Not soluble.
- **9.2 Other information** 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.

US

(Contd. on page 5)

Trade name: **Wieland G96**

(Contd. of page 4)

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:
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

- | | |
|--|-----------------|
| • 14.1 UN-Number | |
| • DOT, ADR, ADN, IMDG, IATA | Void |
| • 14.2 UN proper shipping name | |
| • DOT, ADR, ADN, IMDG, IATA | Void |
| • 14.3 Transport hazard class(es) | |
| • DOT, ADR, ADN, IMDG, IATA | |
| • Class | Void |
| • 14.4 Packing group | |
| • DOT, ADR, IMDG, IATA | Void |
| • 14.5 Environmental hazards: | |
| • Marine pollutant: | No |
| • 14.6 Special precautions for user: | Not applicable. |
| • 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | 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
-----------	--------

(Contd. on page 6)

Trade name: **Wieland G96**

(Contd. of page 5)

· TSCA (Toxic Substances Control Act):
--

All ingredients are listed.

· 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.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

7440-50-8 copper	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

· Department issuing SDS: Department testing laboratories

· Contact:

Dr. Michael Ebner

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

· Date of preparation / last revision 08/23/2017 / 6
--

· * Data compared to the previous version altered.
--