

## 1 Identification

### 1.1 Product identifier

Trade name: **Wieland A13**

### 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 aluminium or aluminium-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.

Information:

The classifications mentioned below reflect the respective pure substance and are for information only.

Aluminium 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 aluminium alloy.

Components:

|                   |           |          |
|-------------------|-----------|----------|
| CAS: 7429-90-5    | aluminium | balance% |
| EINECS: 231-072-3 |           |          |
| RTECS: BD 0330000 |           |          |

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|                                                          |           |          |
|----------------------------------------------------------|-----------|----------|
| CAS: 7439-95-4<br>EINECS: 231-104-6<br>RTECS: OM 2100000 | magnesium | 2.6-3.6% |
|----------------------------------------------------------|-----------|----------|

#### 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:

The semi -finished product is not combustible in the form in which it is supplied.

A fire caused by aluminium powder and swarf must only be tackled with dry sand or Class D fire extinguishing agents approved for this purpose.

##### · 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

##### · 5.3 Advice for firefighters

###### · Protective equipment:

If necessary, protective clothing and respiratory protection masks should be worn.

The local fire brigade can advise you on risks and fire fighting.

#### 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 of the collected material according to regulations.

##### · 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.

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- **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:

#### 7429-90-5 aluminium

|     |                                                                                                  |
|-----|--------------------------------------------------------------------------------------------------|
| PEL | Long-term value: 15*; 5** mg/m <sup>3</sup><br>*Total dust; ** Respirable fraction               |
| REL | Long-term value: 10* 5** mg/m <sup>3</sup><br>as Al*Total dust**Respirable/pyro powd./welding f. |
| TLV | Long-term value: 1* mg/m <sup>3</sup><br>as Al; *as respirable 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:  
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                |
| Color:          | grey to silvery 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): 2.66 g/cm<sup>3</sup> (22.198 lbs/g al) (Lit.)

- Solubility in / Miscibility with  
Water: Not soluble.

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· **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)    |
| None of the ingredients is listed.                      |
| · NTP (National Toxicology Program)                     |
| None of the ingredients is listed.                      |
| · 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.
- **12.4 Mobility in soil:** No further relevant information available.
- Additional ecological information
  - General notes:  
Semi-finished articles from aluminium and aluminium-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.

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### 13 Disposal considerations

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

### 14 Transport information

- |                                                                                        |                 |
|----------------------------------------------------------------------------------------|-----------------|
| • <b>14.1 UN-Number</b>                                                                | Void            |
| • DOT, ADR, ADN, IMDG, IATA                                                            |                 |
| • <b>14.2 UN proper shipping name</b>                                                  | Void            |
| • DOT, ADR, ADN, IMDG, IATA                                                            |                 |
| • <b>14.3 Transport hazard class(es)</b>                                               | Void            |
| • DOT, ADR, ADN, IMDG, IATA                                                            |                 |
| • Class                                                                                |                 |
| • <b>14.4 Packing group</b>                                                            | Void            |
| • DOT, ADR, IMDG, IATA                                                                 |                 |
| • <b>14.5 Environmental hazards:</b>                                                   | No              |
| • Marine pollutant:                                                                    |                 |
| • <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**
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|                                                               |
|---------------------------------------------------------------|
| • Section 355 (extremely hazardous substances):               |
| None of the ingredients is listed.                            |
| • Section 313 (Specific toxic chemical listings):             |
| 7429-90-5   aluminium                                         |
| • TSCA (Toxic Substances Control Act):                        |
| All ingredients are listed.                                   |
| • 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.                            |
| • Chemicals known to cause developmental toxicity:            |
| None of the ingredients is listed.                            |
| • Cancerogenity categories                                    |
| • EPA (Environmental Protection Agency)                       |
| None of the ingredients is listed.                            |

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· TLV (Threshold Limit Value established by ACGIH)

7429-90-5 aluminium

A4

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

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 SDS: Department testing laboratories
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- Date of preparation / last revision 09/08/2017 / 1
- \* Data compared to the previous version altered.

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