

## 1 Identification

- **1.1 Product identifier**
  - Trade name: **Wieland A22**
  - **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 |           |          |

(Contd. on page 2)

Trade name: **Wieland A22**

(Contd. of page 1)

|  |           |            |
|--|-----------|------------|
| CAS: 7440-21-3<br>EINECS: 231-130-8<br>RTECS: VW 0400000 | silicon   | 0.30-0.6%  |
| CAS: 7439-95-4<br>EINECS: 231-104-6<br>RTECS: OM 2100000 | magnesium | 0.35-0.6%  |
| CAS: 7439-89-6<br>EINECS: 231-096-4<br>RTECS: NO 4565500 | iron      | 0.10-0.30% |

#### 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.

(Contd. on page 3)

Trade name: **Wieland A22**

See Section 13 for disposal information.

(Contd. of page 2)

## 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:

#### 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.

(Contd. on page 4)

US

Trade name: **Wieland A22**

(Contd. of page 3)

- |   |   |
|---|---|
| · Flash point:                            | Not applicable.                               |
| · Danger of explosion:                    | Product does not present an explosion hazard. |
| · Density at 20 °C (68 °F):               | 2.7 g/cm <sup>3</sup> (22.532 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) |
| 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.

(Contd. on page 5)

Trade name: **Wieland A22**

(Contd. of page 4)

- 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>  | 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>   |                 |
| · 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):

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.

(Contd. on page 6)

**Trade name: Wieland A22**

(Contd. of page 5)

- Cancerogenity categories

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- 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
- Contact:  
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Phone (+)49 (0)731/944-3706
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- \* Data compared to the previous version altered.