

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

- **1.1 Product identifier**
  - Trade name: **Wieland A11**
  - **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
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- **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 testing laboratories  
michael.ebner@wieland.de
  - **1.4 Information in case of emergency:**  
Factory security offices  
Phone: +49 (0) 731-944-3706
  - Remarks for information sheet:  
Semi-finished products from aluminium and aluminium-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.
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- **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 EN 573-2): EN AW-Al Si1Sn1MgBi
- Material number (DIN EN 573-1): EN AW-6023
- Information:  
The classifications mentioned below reflect the respective pure substance and are for information only.

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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.

· Alloy components:

CAS: 7429-90-5 EINECS: 231-072-3	aluminium substance with a Community workplace exposure limit	balance%
CAS: 7440-21-3 EINECS: 231-130-8	silicon	0,6-1,4%
CAS: 7440-31-5 EINECS: 231-141-8	tin	0,6-1,2%
CAS: 7439-95-4 EINECS: 231-104-6	magnesium	0,40-0,9%
CAS: 7440-69-9 EINECS: 231-177-4	bismuth	0,30-0,8%
CAS: 7439-96-5 EINECS: 231-105-1	manganese	0,20-0,6%
CAS: 7440-50-8 EINECS: 231-159-6	copper	0,20-0,50%

#### 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:

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.

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### 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 of the material collected 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.

### 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: None.
- **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> 2(II);*alveolengängig**eintembar; AGS, DFG
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- 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>
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- 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:  
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.
  - 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

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### SECTION 9: Physical and chemical properties

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

##### • General Information

##### • Appearance:

Form: Solid  
Colour: grey to silvery grey

• Odour: Odourless

• Odour threshold: Not determined.

##### • Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: Undetermined.

• Flash point: Not applicable.

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

• Density at 20 °C: 2,72 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.

• 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.

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### 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 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.

### 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

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|--|-----------------|
| • <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.
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.

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

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