1 Identification

- **1.1 Product identifier**
  - Trade name: **Wieland A09**
- **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.
### 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.
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:**

    | Substance | PEL | Long-term value: 15*; 5** mg/m³ |
    |-----------|-----|---------------------------------|
    |           | *Total dust; ** Respirable fraction |
    | REL       | Long-term value: 10* 5** mg/m³      |
    |           | as Al; Total dust; ** Respirable/pyro powd./welding f. |
    | TLV       | Long-term value: 1* mg/m³           |
    |           | as Al; * as respirable fraction     |

    | Substance | PEL | Ceiling limit value: 5 mg/m³ |
    |-----------|-----|------------------------------|
    |           | as Mn |
    | REL       | Short-term value: 3 mg/m³         |
    |           | as Mn |
    |           | Long-term value: 1 mg/m³          |
    |           | fume, as Mn |
    | TLV       | Long-term value: 0.02* 0.1* mg/m³ |
    |           | as Mn; * respirable ** 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:
      - 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): 2.71 g/cm³ (22.615 lbs/g al) (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)
      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.

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, IMDG, IATA 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):
  7429-90-5 aluminium
  7439-96-5 manganese
Trade name: Wieland A09

- 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)
    7439-96-5 manganese D
  - 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:
  Dr. Michael Ebner
  Phone (+)49 (0)731/944-3706
- Date of preparation / last revision 09/11/2017 / 2
- * Data compared to the previous version altered.