1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
  - Trade name: Silafont-30 / AlSi9Mg
  - **Relevant identified uses of the substance or mixture and uses advised against**
    - No further relevant information available.
    - **Application of the substance / the mixture** Alloy

- **Details of the supplier of the technical information**
  - **Manufacturer/Supplier:** Rheinfelden Alloys GmbH & Co.KG
    Friedrichstraße 80
    D-79618 Rheinfelden
    Tel.: +49 (0) 7623 - 93 0
    www.rheinfelden-alloys.eu

  - **Informing department:** REACH
    Tel.: +49 (0) 7623 - 93 - 465 (Office hours: 08:30 - 15:30)
    reach@rheinfelden-alloys.eu

  - **Emergency telephone number:** Tel.: +49 (0) 7623 - 93 - 375 (24 Std.)

2 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**
    The product is not-classified in accordance with the CLP regulation

  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
    - **Information concerning particular hazards for human and environment:**
      The product has not to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
    - **Classification system:**
      The classification is in line with current EC lists.

- **Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**
    The product is not labelled according to the CLP regulation.

  - **Other hazards:**
    - **Results of PBT- and vPvP-assessment:**
      - **PBT:** Not applicable.
      - **vPvP:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
  Mixture of the substances listed below including additives not requiring identification.

(Contd. on page 2)
**Trade name:** Silafont-30 / AlSi9Mg

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### 4 Firefighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
  - **For safety reasons unsuitable extinguishing agents:** Water.

- **Special hazards arising from the substance or mixture**
  Can be released in case of fire:
  - Metal oxides

- **Advice for firefighters**
  - **Protective equipment:**
    - Do not inhale explosion gases or combustion gases.
    - Wear self-contained breathing apparatus.

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**Additional information:**

For the wording of the listed risk phrases refer to the appropriate lists. On request, the composition can also vary slightly, provided that no new product is created.
Trade name: Silafont-30 / A3Si9Mg

5 Handling and storage

- Handling:
  - Precautions for safe handling:
    Avoid contact with eyes and skin.
  - Information about protection against explosions and fires:
    Dust can combine with air to form an explosive mixture.
- Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and containers: Protect from moisture.
    - Information about storage in one common storage facility:
      Do not store together with acids.
      Do not store together with alkalis (caustic solutions).
      Store away from foodstuffs.
  - Further information about storage conditions:
    Not applicable
  - Specific end use(s): No further relevant information available.

6 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Solid
      - Colour: Silver grey
      - Odour: odourless
      - Odour threshold: Not determind.
  - pH-value:
    Not applicable.
  - Change in condition
    - Melting point/Melting range: 550-600°C
    - Boiling point/Boiling range: Not determind.
  - Flashpoint:
    Not determind.
  - Inflammability (solid, gaseous):
    Not determind.
  - Ignition temperature:
    400°C
    Ignition temperature of dust form
  - Decomposition temperature:
    Not determind.
  - Self-inflammability:
    Product is not selfigniting.
  - Danger of explosion:
    Product is not explosive.
  - Critical values for explosion:
    - Lower: Not determind.
    - Upper: Not determind.
  - Vapour pressure
    Not applicable.
Trade name: Silafont-30 / AlSi9Mg

- **Density at 20°C:** 2.65 g/cm³
- **Relative density**
  - Not determined.
- **Vapour density**
  - Not applicable.
- **Evaporation rate**
  - Not applicable.
- **Solubility in/Miscibility with Water**
  - Insoluble
- **Partitions coefficient (n-octanol/water):**
  - Not determined.
- **Viscosity:**
  - **dynamic:**
    - Not applicable.
  - **kinematic:**
    - Not applicable.
- **Solvent content:**
  - **Organic solvents:** 0.0%.
  - **Water:** 0.0%.
- **Solids content:**
  - 100%.
- **Other information:**
  - No further relevant information available.

7 Stability and reactivity

- **Reactivity**
  - **Chemical stability**
    - **Thermal decomposition / conditions to be avoided:**
      - No decomposition if used according to specifications.
      - Avoid humidity.
  - **Possibility of hazardous reactions**
    - Contact with water releases flammable gases.
    - Reacts with alkali (lyes).
    - Reacts with acids.
  - **Conditions to avoid**
    - No further relevant information available.
  - **Incompatible materials:** Keine weiteren relevanten Informationen verfügbar.
  - **Hazardous decomposition products:**
    - None in case of intended use and storage in compliance with instructions.
    - Hydrogen.

8 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
    - The waste code numbers mentioned are recommendations based on the probable use of the product.
Technical information according to 1907/2006/EC, Article 32

Trade name: Silafont-30 / AlSi9Mg

(Contd. from page 4)

- **European waste catalogue**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>06 00 00</td>
<td>WASTES FROM INORGANIC CHEMICAL PROCESSES</td>
</tr>
<tr>
<td>06 04 00</td>
<td>metal-containing wastes other than those mentioned in 06 03</td>
</tr>
<tr>
<td>06 04 05*</td>
<td>wastes containing other heavy metals</td>
</tr>
</tbody>
</table>

- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.