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

- **Product identifier**
  - **Trade name:** Silafont-09 / AlSi9
  - **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-09 / A1Si9

- components
  
<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Reg.nr.</th>
<th>Component</th>
<th>Content</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>7429-90-5</td>
<td>231-072-3</td>
<td>01-211 952 9243-45-X</td>
<td>Aluminium</td>
<td>Pyr. Sol. 1, H250; Water-react. 2, H261</td>
<td>50-100%</td>
</tr>
<tr>
<td>7440-21-3</td>
<td>231-130-8</td>
<td>01-211 948 0401-47-X</td>
<td>Silicon</td>
<td>Flam. Sol. 2, H228</td>
<td>5-15%</td>
</tr>
<tr>
<td>7429-90-5</td>
<td>231-072-3</td>
<td>01-211 952 9243-45-X</td>
<td>Eisen</td>
<td></td>
<td>&lt;1,0%</td>
</tr>
<tr>
<td>7419-90-5</td>
<td>231-072-3</td>
<td>01-211 944 9803-34-X</td>
<td>Mangan</td>
<td>Pyr. Sol. 1, H250; Water-react. 1, H260</td>
<td>&lt;1,0%</td>
</tr>
</tbody>
</table>

- 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.

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.

(Contd. from page 1)
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 determined.
    - pH-value: Not applicable.
  
  - Change in condition
    - Melting point/Melting range: 550-595°C
    - Boiling point/Boiling range: Not determined.
  
  - Flashpoint: Not determined.
  
  - Inflammability (solid, gaseous): Not determined.
  
  - Ignition temperature: 400°C
    Ignition temperature of dust form
  
  - Decomposition temperature: Not determined.
  
  - Self-inflammability: Product is not selfigniting.
  
  - Danger of explosion: Product is not explosive.
  
  - Critical values for explosion:
    - Lower: Not determined.
    - Upper: Not determined.
  
  - Vapour pressure: Not applicable.

(Contd. on page 4)
### Trade name: Silafont-09 / AlSi9

(Contd. From page 3)

- **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.

(Contd. on page 5)
Technical information
according to 1907/2006/EC,
Article 32

Trade name: Silafont-09 / AlSi9

(Contd. from page 4)

- **European waste catalogue**
  - 06 00 00  WASTES FROM INORGANIC CHEMICAL PROCESSES
  - 06 04 00  metal-containing wastes other than those mentioned in 06 03
  - 06 04 05* wastes containing other heavy metals

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