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

- **Product identifier**
  - *Trade name:* Silafont-13 / AlSi11
  - *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* 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-13 / AISi11

- **components**

<table>
<thead>
<tr>
<th>CAS: 7429-90-5</th>
<th>Aluminium</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 231-072-3 Reg.nr.: 01-211 952 9243-45-X</td>
<td>Pyr. Sol. 1, H250; Water-react. 2, H261</td>
</tr>
<tr>
<td>CAS: 7440-21-3</td>
<td>Silicon</td>
</tr>
<tr>
<td>EINECS: 231-130-8 Reg.nr.: 01-211 948 0401-47-X</td>
<td>Flam. Sol. 2, H228</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.
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.
    - Conditions for safe storage, including any incompatibilities: Do not store together with alkalis (caustic solutions).
    - Further information about storage conditions: Store away from foodstuffs.
    - 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: 565-585°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-13 / AlSi11

- **Density at 20°C:** 2.64 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.
Trade name: Silafont-13 / AlSi11

(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 packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.