01. Name of product

- **Product details**:
  
  Product name: Rio JetSet Adhesive
  One component adhesive based on cyanoacrylate acid alcy ester.
  Trade name: **SCHWANHEIMER INDUSTRIAL ADHESIVE No. 100, 200, 300, 400**

02. Composition / Information on ingredients

- **Chemical characterization**:  
  One component adhesive based on cyanoacrylate acid alcy ester

- **Dangerous components**:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Name</th>
<th>(%-Wt)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>007085-85-0</td>
<td>ethyl-2-cyanacrylate</td>
<td></td>
<td>Xi R36/37/38</td>
</tr>
</tbody>
</table>

03. Special hazards information for man and environment

- **R-phrases**:  
  36/37/38 Irritating to eye, respiratory system and skin

- **Special hazards information for humans and environment**  
  Cyanoacrylate. Bonds skin and eye lids within seconds.
04. First aid measures

- **In case of inhalation:** Ensure of fresh air.

- **In case of skin contact:**
  In case of contact with skin wash off immediately with soap and rinse thoroughly with Water.

- **In case of eye contact:**
  in case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

- **In case of ingestions:**
  Summon doctor immediately.

- **Physician’s information / possible symptoms:** Shortness of breath.

- **Treatment (Advice to doctor)**
  In the event of pulmonary irritation treat initially with dexamethasone metered-dose aerosol.

05. Fire fighting measures

- **Suitable extinguishing material:**
  Alcohol-resistant foam, Drypowder, Carbon dioxide, Water spray jet.

- **Special exposure hazards arising from the substance, combustive products or resulting gases:**
  Fire gas of organic material has to be classed invariably as respiratory poison.
  Nitrogen oxides (NOx)
  Carbon monoxide (CO)

- **Special protective equipment for firefighters:**
  Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.
  Do not inhale explosion and/or combustion gases.

06. Accidental release measures

- **Person related precautions:**
  Ensure adequate ventilation.

- **Environment related precautions:**
  Do not discharge into drains or bodies of water.

- **Methods for cleaning up/taking up:**
  Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust. Take up mechanically.
07. Handling and storage

- **Advice on safe handling:** Care for thoroughly room ventilation, if necessary suck of at workplace. Open and handle container with care.

- **Advice on protection against fire and explosion:** Keep away from sources of ignition – No smoking.

- **Requirements for storage rooms and vessels:** Keep in closed original container.

- **Advice on storage compatibility:** Do not store with alkalies.

- **Further information on storage conditions:** Keep container tightly closed and store at cool, dry and aired place.

08. Exposure restrictions and personal protective equipment

- **Ingredients with occupational exposure limits to be monitored:**

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Name</th>
<th>Code</th>
<th>(mg/m³)</th>
<th>(ml/m³)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>007085-85-0</td>
<td>ethyl-2-cyanacrylate</td>
<td>9</td>
<td>2</td>
<td></td>
<td>Schweiz-Grenzw.</td>
</tr>
</tbody>
</table>

- **Hand protection:** Protective gloves.

- **Eye protection:** Tightly fitting goggles.

- **Skin protection:** Protective clothing.

- **General protective measures:** Do not inhale vapours. Avoid contact with eyes and skin.

- **Hygiene measures:** At work do not eat, drink and smoke. Eash hands before breaks and after work. Use barrier skin cream.
09. Physical and chemical properties

- Form: liquid
- Colour: colourless
- Odour: characteristic

- Data relevant for safety:

<table>
<thead>
<tr>
<th>Value</th>
<th>Temperature</th>
<th>At</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>boiling point:</td>
<td>&gt;200°C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>flash point:</td>
<td>87°C,</td>
<td>DIN 51758</td>
<td></td>
<td></td>
</tr>
<tr>
<td>density:</td>
<td>1,05 - 1,09 g/cm³</td>
<td>20°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>solubility in water:</td>
<td>more or less insoluble</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>viscosity 1 dynamic:</td>
<td>2 - 2500 mPa*s</td>
<td>20°C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. Stability and reactivity

- Conditions to avoid: In case of addition of water warming up.
- Hazardous decomposition products: No hazardous decomposition products known.
- Thermal decomposition: No decomposition if suitable use.
- Additional information: Polymerization under development of heat.
11. Toxicological information

- Acute toxicity/Irritability/Sensitization:
  - Irritability skin: Low irritant effect – not necessary to label.
  - Irritability eye: Low irritant – no labelling duty
  - Experiences made from practice:
    Sensitization through inhalation possible. Irritates mucous membranes.

12. Ecological information

- General regulation: Do not discharge product unmonitored into the environment.

13. Disposal considerations

- Waste code no. Name of waste
  08 04 06 adhesives and sealants sludges free of halogenated solvents

- Recommendations for product:
  Can be disposed of together with household refuse in accordance regulations and on consulting with disposal agency and the relevant authorities. Pruduct rests, send for disposal, e.g. special waste incineration.

- Recommendations for packaging:
  Carefully polymerise content with water or alkali.

14. Transport Information

- Transport/further informations:
  Not classified as hazardous for transport.

15. Regulatory Information

- Remarks for classification:
  The product is classified and labelled in accordance with EC directives.

- Classification: Xi Irritant
- **R-phrases:** 36/37/38: Irritating to eyes, respiratory system and skin

- **S-phrases:**
  2 Keep out of reach of children.
  23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
  24/25 Avoid contact with skin and eyes.
  26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

- **Special labelling for certain preparations:**

### 16. Other information

- **Further Information**
  The information in this Safety Data Sheet is based on our present knowledge. However, it does not represent a guarantee for any specific product features and does not establish a legally contractual relationship.