Inorganic chemicals

Plants for the production of Polyaluminium Chloride (PAC)

Project information

Plant:
PAC-plant

Location:
Schwarheide, Germany

Capacity:
25 kty polyaluminium chloride

www.cac-chem.de
**Inorganic chemicals**

**Plants for the production of Polyaluminium Chloride (PAC)**

CAC offers together with the know-how of the Huntsman Pigments Wasserchemie plants for the production of liquid PAC with an annual capacity of up to 30,000 t. Polyaluminium Chloride (PAC) is a very effective chemical for water treatment and displaced traditional products like aluminium sulfate or iron chloride during the last years due to its higher efficiency at lower dosage.

<table>
<thead>
<tr>
<th>Feedstock for the PAC production</th>
<th>Application areas of PAC</th>
<th>Benefits</th>
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</thead>
<tbody>
<tr>
<td>Aluminium hydroxide, hydrochloric acid</td>
<td>Drinking-water treatment</td>
<td>The process is environmentally friendly as factually no by-products will be accumulated.</td>
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<td>Treatment of water in swimming pools</td>
<td>With the product PAC, water chemicals for versatile applications can be produced.</td>
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<td>Purification of industrial und waste water</td>
<td>The high concentration of active agents allows an economic transportation.</td>
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<td>Adjuvant in paper industry</td>
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</tbody>
</table>

**Typical process scheme**

![Typical process scheme diagram](image-url)