Ammonium chloride, Hi-AR™

**Product Identifier**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.</td>
<td>12125-02-9</td>
</tr>
<tr>
<td>EC No.</td>
<td>235-186-4</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>NH₄Cl</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>53.49</td>
</tr>
<tr>
<td>Synonym</td>
<td>Salmiac</td>
</tr>
<tr>
<td>HS Code</td>
<td>2827 10 00</td>
</tr>
<tr>
<td>Storage</td>
<td>Below 30°C</td>
</tr>
<tr>
<td>Shelf life</td>
<td>4 years</td>
</tr>
</tbody>
</table>

**Technical Specification**

- **Appearance**: Colourless or white to almost white crystals or powder
- **Solubility**: 100 mg soluble in 1 mL of water
- **pH**: 4.50 - 5.50
- **Magnesium (Mg)**: ≤ 0.0005%
- **Calcium (Ca)**: ≤ 0.001%
- **Heavy metals (as Pb)**: ≤ 0.0005%
- **Iron (Fe)**: ≤ 0.0002%
- **Copper (Cu)**: ≤ 0.00025%
- **Sulphate (SO₄)**: ≤ 0.002%
- **Phosphate (PO₄)**: ≤ 0.0003%
- **Nitrate (NO₃)**: ≤ 0.0005%
- **Sodium (Na)**: ≤ 0.005%
- **Potassium (K)**: ≤ 0.005%
- **Insoluble matter**: ≤ 0.001%
- **Assay**: 99.00 - 102.00%

**Safety Information**

- **Signal Word**: Warning
- **Hazard Statement(s)**: H302- H319- H411
- **Precautionary Statement(s)**: P273- P305+P351+P338
- **UN No.**: Not dangerous goods
- **Class**: -
- **Packing Group**: -
- **RTECS**: BP4550000
- **WGK**: 1

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