## Product Information

### GRM3880  Aluminium nitrate nonahydrate, Hi-AR™/ACS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRM3880</td>
<td>500G</td>
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</table>

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<th>GRM3880</th>
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<tbody>
<tr>
<td>Product Name</td>
<td>Aluminium nitrate nonahydrate, Hi-AR™/ACS</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>Al(NO₃)₃·9H₂O</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>375.13</td>
</tr>
<tr>
<td>CAS No.</td>
<td>7784-27-2</td>
</tr>
<tr>
<td>EC No.</td>
<td>236-751-8</td>
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<tr>
<td>HS Code</td>
<td>2834 29 80</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>4 years</td>
</tr>
</tbody>
</table>

### Technical Specification

- **Appearance**: Colourless or white deliquescent crystals or solid
- **Solubility**: 100 mg soluble in 1 mL of water
- **pH (5% in water at 25°C)**: 2.50 - 3.50
- **Magnesium (Mg)**: <= 0.001%
- **Chloride (Cl)**: <= 0.001%
- **Heavy metal (as Pb)**: <= 0.001%
- **Iron (Fe)**: <= 0.002%
- **Sulfate (SO₄)**: <= 0.005%
- **Calcium (Ca)**: <= 0.005%
- **Potassium (K)**: <= 0.002%
- **Sodium (Na)**: <= 0.005%
- **Water insoluble matter**: <= 0.005%
- **Assay (EDTA back Titration)**: 98.00 - 102.00%

### GHS Safety Information

- **Hazard Statement(s)**: H315-H319
- **Precautionary Statement(s)**: P305+P351+P338
- **Signal Word**: Warning

### Risk and Safety Information

- **R-Phrase(s)**: 36/38
- **S-Phrase(s)**: 26-37
- **WGK**: 1
- **RTECS**: BD1050000
- **Storage Temperature(°C)**: Store below 30°C
<table>
<thead>
<tr>
<th>Hazard Symbol(s)</th>
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</table>

**Transport Information**

<table>
<thead>
<tr>
<th>UN No.</th>
<th>1438</th>
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</thead>
<tbody>
<tr>
<td>Class</td>
<td>5.1</td>
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<tr>
<td>Package Group</td>
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<tr>
<td>Marine Pollutant</td>
<td>No</td>
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<tr>
<td>ADR/RID</td>
<td>1438 5.1/PG 3</td>
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<tr>
<td>IMDG</td>
<td>1438 5.1/PG 3</td>
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<td>IATA</td>
<td>1438 5.1/PG 3</td>
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