## Product Information

**GRM279**  
**Barium hydroxide octahydrate, Hi-LR™**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRM279</td>
<td>500G</td>
</tr>
<tr>
<td>GRM279</td>
<td>5KG</td>
</tr>
</tbody>
</table>

### Product Information

- **Product Code**: GRM279  
- **Product Name**: Barium hydroxide octahydrate, Hi-LR™  
- **Molecular Formula**: Ba(OH)$_2$.8H$_2$O  
- **Molecular Weight**: 315.46  
- **CAS No.**: 12230-71-6  
- **EC No.**: 241-234-5  
- **HS Code**: 2816 40 00  
- **Shelf Life**: 4 years

### Technical Specification

- **Appearance**: White hygroscopic crystals or powder or flakes  
- **Solubility**: 33.3 mg soluble in 1 mL of dilute hydrochloric acid  
- **Acid insoluble matter**: <= 0.01%  
- **Carbonate (BaCO$_3$)**: <= 2.0%  
- **Chloride (Cl)**: <= 0.005%  
- **Iron (Fe)**: <= 0.001%  
- **Assay (HCl Titration)**: 97.00 - 102.00%

### GHS Safety Information

- **Hazard Statement(s)**: H302-H314-H332  
- **Precautionary Statement(s)**: P280-P305+P351+P338-P310  
- **Signal Word**: Danger  
- **Hazard Pictogram(s)**

### Risk and Safety Information

- **R-Phrase(s)**: 20/22-34  
- **S-Phrase(s)**: 26-36/37/39-45  
- **WGK**: 3  
- **Storage Temperature(°C)**: Store below 30°C  
- **Hazard Symbol(s)**

### Transport Information

- **UN No.**: 3262  
- **Class**: 8

The information contained herein is believed to be accurate and complete. However no warranty or guarantee whatsoever is made or is to be implied with respect to such Information or with respect to any product, method or apparatus referred to herein.
<table>
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<tbody>
<tr>
<td>Packaging Group     : 2</td>
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<tr>
<td>Marine Pollutant    : No</td>
</tr>
<tr>
<td>ADR/RID             : 3262 8/PG 2</td>
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<td>IMDG                : 3262 8/PG 2</td>
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<td>IATA                : 3262 8/PG 2</td>
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