**RM113 Brilliant green, Hi-Cert™**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM113</td>
<td>10G</td>
</tr>
</tbody>
</table>

**Product Information**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>RM113</td>
</tr>
<tr>
<td>Product Name</td>
<td>Brilliant green, Hi-Cert™</td>
</tr>
<tr>
<td>Synonym</td>
<td>Astradiamant green GX; Emerald Green; Malachite Green G; Diamond Green</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>C_{27}H_{34}N_{2}O_{4}S</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>482.63</td>
</tr>
<tr>
<td>CAS No.</td>
<td>633-03-4</td>
</tr>
<tr>
<td>EC No.</td>
<td>211-190-1</td>
</tr>
<tr>
<td>HS Code</td>
<td>3212 90 00</td>
</tr>
<tr>
<td>Colour Index No.</td>
<td>42040</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>4 years</td>
</tr>
</tbody>
</table>

**Technical Specification**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Golden or blue or green or blue-green glistening crystals or powder</td>
</tr>
<tr>
<td>Solubility</td>
<td>20 ppm in 50% ethanol yields clear solution</td>
</tr>
<tr>
<td>Visual pH Transition</td>
<td>pH 0.00 (yellow) - pH 2.60 (green)</td>
</tr>
<tr>
<td>FTIR (KBr disc)</td>
<td>Matches with the standard pattern</td>
</tr>
<tr>
<td>Absorption maxima</td>
<td>620 - 630 nm (20 ppm in 50% ethanol)</td>
</tr>
<tr>
<td>Molar absorptivity</td>
<td>&gt;= 2000 (20 ppm in 50% ethanol at 620 - 630 nm)</td>
</tr>
<tr>
<td>Loss on drying (at 105°C, 2 hrs)</td>
<td>&lt;= 5.00%</td>
</tr>
</tbody>
</table>

**GHS Safety Information**

| Hazard Statement(s)     | H302-H319                                                             |
| Precautionary Statement(s) | P305+P351+P338                                                      |
| Signal Word             | Warning                                                               |
| Hazard Pictogram(s)     | !                                                                      |

**Risk and Safety Information**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-Phrase(s)</td>
<td>22-36</td>
</tr>
<tr>
<td>S-Phrase(s)</td>
<td>26</td>
</tr>
<tr>
<td>WGK</td>
<td>3</td>
</tr>
<tr>
<td>RTECS</td>
<td>BP6825000</td>
</tr>
<tr>
<td>Storage Temperature(°C)</td>
<td>Store below 30°C</td>
</tr>
<tr>
<td>Hazard Symbol(s)</td>
<td>Xn</td>
</tr>
</tbody>
</table>
### Transport Information

<table>
<thead>
<tr>
<th>Marine Pollutant</th>
<th>:</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR/RID</td>
<td>:</td>
<td>Not Dangerous Goods</td>
</tr>
<tr>
<td>IMDG</td>
<td>:</td>
<td>Not Dangerous Goods</td>
</tr>
<tr>
<td>IATA</td>
<td>:</td>
<td>Not Dangerous Goods</td>
</tr>
</tbody>
</table>