### Product Information

**Product Number**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM595</td>
<td>100G</td>
</tr>
<tr>
<td>RM595</td>
<td>25G</td>
</tr>
</tbody>
</table>

**Product Information**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>RM595</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>2,5-Diphenyloxazole, Scintillation grade</td>
</tr>
<tr>
<td>Synonym</td>
<td>PPO, Scintillation grade</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>C₁₅H₁₁NO</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>221.25</td>
</tr>
<tr>
<td>CAS No.</td>
<td>92-71-7</td>
</tr>
<tr>
<td>EC No.</td>
<td>202-181-3</td>
</tr>
<tr>
<td>HS Code</td>
<td>2934 99 90</td>
</tr>
<tr>
<td>EC Index No.</td>
<td>202-181-3</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>4 years</td>
</tr>
</tbody>
</table>

**Technical Specification**

<table>
<thead>
<tr>
<th>Appearance</th>
<th>White to light beige crystals or powder or solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solubility</td>
<td>33.3 mg soluble in 1 mL of methanol</td>
</tr>
<tr>
<td>FTIR</td>
<td>Matches with the standard pattern</td>
</tr>
<tr>
<td>Melting range</td>
<td>70 - 74°C</td>
</tr>
<tr>
<td>Specific absorbance</td>
<td>&gt;= 1200 (10 ppm in methanol)</td>
</tr>
<tr>
<td>Assay (HPLC/NT)</td>
<td>99.00 - 102.00%</td>
</tr>
</tbody>
</table>

**GHS Safety Information**

<table>
<thead>
<tr>
<th>Hazard Statement(s)</th>
<th>H302-H319-H413</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precautionary Statement(s)</td>
<td>P305+P351+P338</td>
</tr>
<tr>
<td>Signal Word</td>
<td>Warning</td>
</tr>
<tr>
<td>Hazard Pictogram(s)</td>
<td>![Error]</td>
</tr>
</tbody>
</table>

**Risk and Safety Information**

<table>
<thead>
<tr>
<th>R-Phrase(s)</th>
<th>22-36</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-Phrase(s)</td>
<td>26</td>
</tr>
<tr>
<td>WGK</td>
<td>3</td>
</tr>
<tr>
<td>Storage Temperature(°C)</td>
<td>Store below 30°C</td>
</tr>
<tr>
<td>Hazard Symbol(s)</td>
<td>![Error]</td>
</tr>
</tbody>
</table>

**Transport Information**

<table>
<thead>
<tr>
<th>Marine Pollutant</th>
<th>No</th>
</tr>
</thead>
</table>

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>
<thead>
<tr>
<th>ADR/RID</th>
<th>Not Dangerous Goods</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMDG</td>
<td>Not Dangerous Goods</td>
</tr>
<tr>
<td>IATA</td>
<td>Not Dangerous Goods</td>
</tr>
</tbody>
</table>