# TECHNICAL DATA SHEET

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<table>
<thead>
<tr>
<th>Product code:</th>
<th>39-11-153</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name:</td>
<td>sicastar®-M</td>
</tr>
<tr>
<td>Surface:</td>
<td>NTA</td>
</tr>
<tr>
<td>Size:</td>
<td>1.5 µm</td>
</tr>
<tr>
<td>Solid content:</td>
<td>50 mg/ml</td>
</tr>
<tr>
<td>Composition:</td>
<td>magnetic silica particles</td>
</tr>
<tr>
<td>Shape:</td>
<td>spherical</td>
</tr>
<tr>
<td>Density:</td>
<td>2.5 g/ccm</td>
</tr>
<tr>
<td>Magnetization:</td>
<td>6.0 Am^2/kg particles (H = 80 kA/m)</td>
</tr>
<tr>
<td>Saturation magnetization:</td>
<td>&gt; 8.0 Am^2/kg particles (H &gt; 800 kA/m)</td>
</tr>
<tr>
<td>Stable in:</td>
<td>aqueous buffers pH &gt; 3, organic solvents</td>
</tr>
<tr>
<td>Not stable in:</td>
<td>hydrofluoric acid, strong basic media, e.g. 6 M NaOH</td>
</tr>
<tr>
<td>Product form:</td>
<td>Suspension in water</td>
</tr>
<tr>
<td>Colour:</td>
<td>dark brown</td>
</tr>
<tr>
<td>Additional remarks:</td>
<td>Storage at room temperature.</td>
</tr>
</tbody>
</table>