**AMPERIT® 554**

**Chemical Formula**
WC-Co-Cr 86-10-4

**Chemical Name**
Tungsten Carbide-Cobalt-Chromium 86-10-4

**Description of Product**
Sintered

**Grades Available**

<table>
<thead>
<tr>
<th>Product Designation</th>
<th>554.074</th>
<th>554.071</th>
<th>554.067</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMPERIT®</td>
<td>45/15 µm</td>
<td>25/ 5 µm</td>
<td>15/ 5 µm</td>
</tr>
</tbody>
</table>

**Physical Characteristics**

**Particle Size Distribution**

<table>
<thead>
<tr>
<th>Grade</th>
<th>554.074</th>
<th>554.071</th>
<th>554.067</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 88 µm</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>- 62 µm</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>- 44 µm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 90%</td>
<td>55 - 65 µm</td>
<td>27 - 31 µm</td>
<td>18 - 24 µm</td>
</tr>
<tr>
<td>D 50%</td>
<td>32 - 40 µm</td>
<td>14 - 18 µm</td>
<td>10 - 14 µm</td>
</tr>
<tr>
<td>D 10%</td>
<td>17 - 22 µm</td>
<td>7 - 9 µm</td>
<td>5 - 8 µm</td>
</tr>
</tbody>
</table>

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1) MICROTRAC by Laser Light Diffraction per ASTM C 1070.
Packaging

Standard Packaging
5 kg in one 2.5 l PE bottle, 6 bottles (30 kg) in one cardboard box.

Storage and Handling

Storage and handling are subject to the rules and regulations in the country of use.
Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)

AMPERIT® 554.074, AMPERIT® 554.071
Carcinogenicity Category 1B
Respiratory sensitization Category 1
Skin sensitization Category 1
Eye irritation Category 2
Reproductive toxicity Category 2
Specific target organ toxicity – repeated exposure Category 2
Acute aquatic toxicity Category 1
Chronic aquatic toxicity Category 2.

AMPERIT® 554.067
Acute toxicity Category 3
Carcinogenicity Category 1B
Respiratory sensitisation Category 1
Skin sensitisation Category 1
Eye irritation Category 2
Reproductive toxicity Category 2
Specific target organ toxicity – repeated exposure Category 2
Acute aquatic toxicity Category 1
Chronic aquatic toxicity Category 2

Documentation
An inspection document in accordance with EN 10204 is supplied with every shipment.

Remarks
Always mix well before using.

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