AMPERIT® 515

Chemical Formula  WC-Co 88-12
Chemical Name  Tungsten Carbide - Cobalt 88-12
Description of Product  Sintered
HS Number  28499030

Particle Sizes Available  Product Designation
AMPERIT® 515.002  90/45 µm
AMPERIT® 515.001  45/22 µm
AMPERIT® 515.074  45/15 µm

Chemical Characteristics
(Mass fraction in % [cg/g]; ppm [µg/g])

Co  10 - 13 %
C  3.9 - 4.3 %
Fe  max. 2 %
W  balance

Physical Characteristics
Particle Size Distribution

<table>
<thead>
<tr>
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<th>515.002</th>
<th>515.001</th>
<th>515.074</th>
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</thead>
<tbody>
<tr>
<td>- 90 µm²)</td>
<td>min. 95 %</td>
<td>100 %</td>
<td>100 %</td>
</tr>
<tr>
<td>- 88 µm¹)</td>
<td></td>
<td>min. 95 %</td>
<td>min. 95 %</td>
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<tr>
<td>- 62 µm¹)</td>
<td></td>
<td>max. 10 %</td>
<td>max. 5 %</td>
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<tr>
<td>- 45 µm²)</td>
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<td>- 15 µm¹)</td>
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<tr>
<td>D 10 %</td>
<td>min. 18 µm</td>
<td>min. 15 µm</td>
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<tr>
<td>D 50 %</td>
<td>30 - 35 µm</td>
<td>26 - 32 µm</td>
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<tr>
<td>D 90 %</td>
<td>max. 56 µm</td>
<td>max. 56 µm</td>
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1) MICROTRAC by Laser Light Diffraction per ASTM C 1070, 2) ROTAP Screening per ASTM B 214.
Packaging

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

Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)

- Carcinogenicity Category 1B
- Respiratory sensitization Category 1
- Skin sensitization Category 1
- Eye irritation Category 2
- Reproductive toxicity Category 2
- Short-term (acute) aquatic hazard Category 1
- Long-term (chronic) aquatic hazard Category 2.

Documentation

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

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