

AMPERIT[®] 543

PRELIMINARY SPECIFICATION (The product described is still under test.
Amendments of all technical data are possible. Special care has to be taken while processing.)

Chemical Formula	WC-CrC-Ni 42-42-16
Chemical Name	Tungsten Carbide – Chromium Carbide - Nickel 42-42-16
Description of Product	Agglomerated, Sintered
Particle Sizes Available	Product Designation AMPERIT [®] 543.074 45/15 µm

Chemical Characteristics¹⁾ (Mass fraction in % [cg/g]; ppm [µg/g])

	543.074
Cr	34.0 - 39.0 %
Ni	14.5 - 17.5 %
C	7.5 - 8.5 %
Fe	max. 0.30 %
O	max. 0.20 %
W	balance

Physical Characteristics

Particle Size Distribution¹⁾

- 88 µm	100	%
D 90 %	48 - 60	µm
D 50 %	29 - 37	µm
D 10 %	17 - 22	µm
Apparent Density	2.5 - 3.5	g/cm ³ acc. ASTM B 212

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)	Carcinogenicity Category 2 Specific target organ toxicity - repeated exposure Category 1 Skin sensitization Category 1 Chronic aquatic toxicity Category 3.
Documentation	An inspection document in accordance with EN 10204 is supplied with every shipment.
Remarks	Always mix well before using.

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