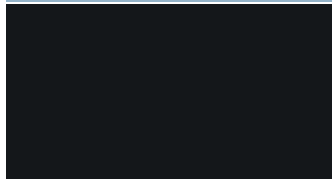



PRODUCT DESCRIPTION	
Chemical Characterization	Copper Chromite Black Spinel
Color Index	Pigment Black 28
C.I. No.	77428
CAS No.	68186-91-4
Relative Hiding Power [%]	n.d.

REGULATIONS	
Germany BfR recom. IX	compliant
APME AP 89/1	compliant
USA (FDA) 21 CFR § 178.3297	listed
Toys Europe EN 71-3	not compliant
Toys USA ASTM F 963-03	not compliant
CONEG, EC 94/62	compliant
ROHS, 2002/95/EC, 2005/618/EC	compliant
End of Life Vehicles, 2000/53/EC, 2002/525/EC	compliant

CHEMICAL INVENTORY LISTING STATUS	
All ingredients of HEUCODUR® - Schwarz 9-100 are listed in the following national chemical inventories:	
AICS (Australia), DSL (Canada), ECL (Korea), EINECS [Europe], IECSC [China], MITI [Japan], NZIOC (New Zealand), PICCS (Philippines), TSCA [USA].	

STANDARD PACKAGING	
- 25 kg Paper Bags	
- Different types of packaging are available on request	

FULL TONE	REDUCTION
	

FASTNESS PROPERTIES		
Heat Resistance [°C]	< 800	AA10/CIC/104
Solvent Resistance ¹⁾	5	
Acid Resistance ²⁾	5	
Alkali Resistance ²⁾	5	
Light Fastness [Full Shade] ³⁾	8	
Weather Fastness [Full Shade] ⁴⁾	5	

PHYSICAL DATA		
Appearance	Black Powder	
Density [g/cm ³]	4.9	acc. to DIN EN ISO 787/10
Bulk Density [g/cm ³]	0.9	acc. to DIN EN ISO 787/11
Tamped Density [g/cm ³]	1.6	acc. to DIN EN ISO 787/11
Oil Absorption [ml/100g]	17	acc. to DIN EN ISO 787/5
Water Soluble Salts [%]	< 0.5	acc. to DIN EN ISO 787/3
Moisture [%]	< 0.5	acc. to DIN EN ISO 787/2
pH	7.5 - 9	acc. to DIN EN ISO 787/9
Sieve Residue on 45 µm [%]	< 0.1	acc. to DIN 53195
Av. Primary Particle Size [µm]	0.5 - 0.6	acc. to ISO 13320-1

The product was approved by an external audit to carry the CE-Label acc. to EN 12878:2005 (incl. category B, for use in reinforced concrete). Declaration of conformity is available on www.heubachcolor.de.

- 1) Pigments were dipped into solvent. Assessment with Grey Scale according to DIN 54002. Rating: 1=severe, 5=none.
- 2) Pigments were dipped into hydrochloric acid (10%) or sodium hydroxide solution (10%). Rating: 1=poor, 5=excellent.
- 3) Light fastness was tested in an alkyd/melamine system. Assessment with Blue Wool Scale according to DIN 54003. Rating: 1=very poor, 8=outstanding.
- 4) Weathering fastness was tested in an waterborne acrylic resin system. Assessment with Grey Scale according to DIN 54001 after 2000h accelerated weathering (Arc Xenontest acc. to DIN EN ISO 11341-1-A, 1998). Rating: 1=poor, 5=very good.

® = Registered trademark of Heubach GmbH. Our product specifications and application information is based on our current knowledge. They are non-binding and cannot be taken as a guarantee. The processing company must establish the suitability of individual products itself. As their use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in particular applications. In addition to that, the legal rights of third parties must always be considered. The specification agreed between the customer and ourselves is the basis upon which our general sales and delivery conditions are set and is the deciding factor concerning any liabilities. Our standard specification is then valid if no specification has been agreed upon between the customer and us.