

Technical Data Sheet

Cobalt powder

Revision Date: 5/11/2026

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

Product name	Cobalt powder
Product code	NM-0007-UP
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)151-41255671

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Cobalt powder partially passivated w/[O] ~0.8% (No major performance effect).
Empirical Formula	Co
CAS No.	7440-48-4
Molecular weight	58.93 g/mol
Purity	99.8 % (metal basis)
Average particle size	<28 nm (TEM)
Particle size range	0 - 60 nm (TEM)
Specific Surface Area	40 - 60 m ² /g (BET)
Color	black
Morphology	spherical
Bulk Density	0.10 - 0.25 g/cm ³

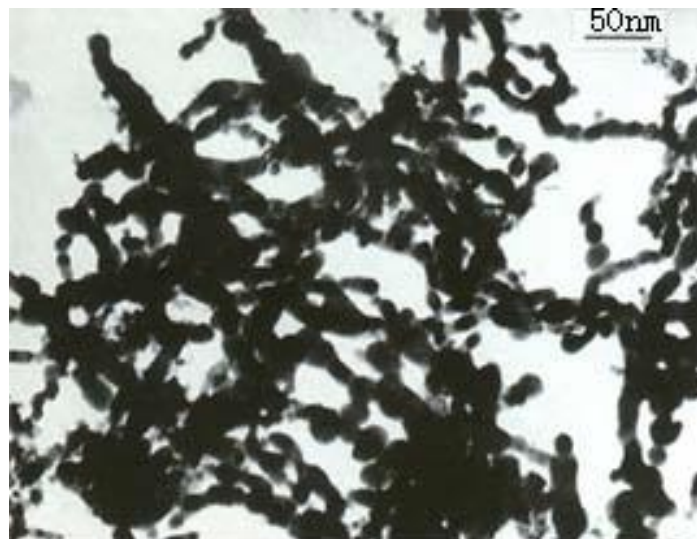
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True Density	8.92 g/cm ³
Melting point	1495°C
Production method	Laser Evaporation

3 TRANSMISSION ELECTRON MICROSCOPY



4 OTHER INFORMATION

DISCLAIMER

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