

Technical Data Sheet

Iron powder

Date Issued: 2019-08-14

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

Product name	Iron powder
Product code	NM-0029-UP
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)176 - 84850874

2 COMPOSITION / INFORMATION ON INGREDIENTS

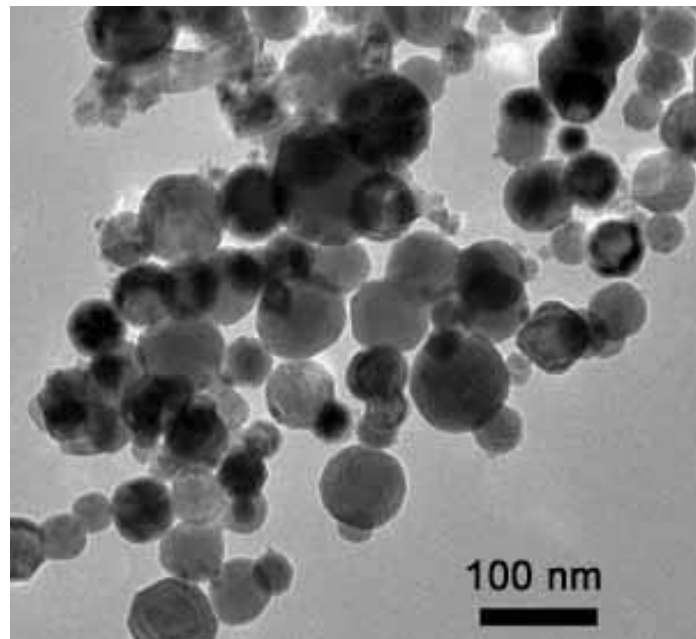
Ingredient name	Iron powder
Empirical formula	Fe
CAS No.	7439-89-6
Molecular weight	55.85 amu
Purity	99.9% (metal basis)
Average particle size	60 – 80 nm (TEM)
Specific Surface area	7 m ² /g (BET)
Color	Black
Morphology	spherical
Bulk density	0.5 g/cm ³
True density	7.90 g/cm ³
Melting point	1535°C

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3 TRANSMISSION ELECTRON MICROSCOPY



4 OTHER INFORMATION

WARNING!

Iron nanopowder is a combustible solid. See MSDS for specific details.

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