

Technical Data Sheet

Iron(II,III)oxide powder

Date Issued: 08/13/2019

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

| | |
|----------------------------|---|
| Product name | Iron(II,III)oxide powder |
| Product code | NO-0049-SG |
| 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

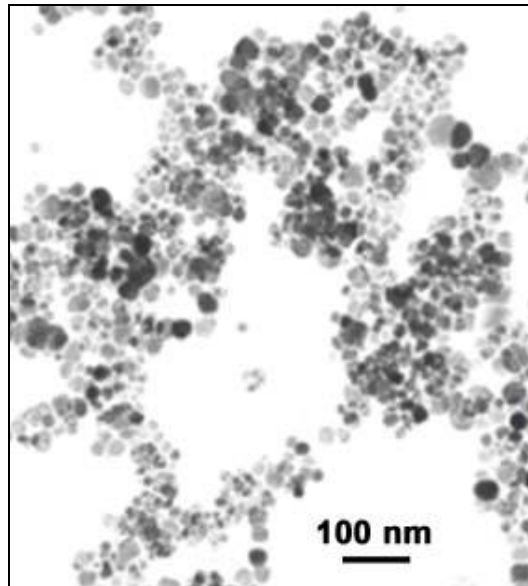
| | |
|------------------------------|--------------------------------|
| Ingredient name | Iron(II,III)oxide, 98+% |
| CAS No. | 1317-61-9 |
| Empirical Formula | Fe ₃ O ₄ |
| Molecular weight | 231.53 amu |
| Purity | 98+% trace metal basis |
| Average Particle Size | 20-30 nm (from TEM) |
| Specific Surface Area | 40-60 m ² /g |
| Color | brown/black |
| Morphology | spherical |
| Bulk Density | 0.84 g/cm ³ |
| True Density | 4.8-5.1 g/cm ³ |

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3 TRANSMISSION ELECTRON MICROSCOPY



4 OTHER INFORMATION

DISCLAIMER

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