

Technical Data Sheet

Samarium(III)oxide

Revision Date: 03-01/2007

Date Issued: 03-01/2007

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

Product name	Samarium(III)oxide, Nanopowder
Product code	NO-0028-HP
Supplier	IoLiTec Ionic Liquids Technologies GmbH & Co KG Ferdinand-Porsche-Straße 5/1 D-79211 Denzlingen Germany
Fax	+49 (0)7666 - 9129345
Emergency telephone	+49 (0)179-5322578

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Samarium(III)oxide
CAS No.	12060-58-1
Empirical Formula	Sm ₂ O ₃
Molecular weight	348.72 amu
Purity	99.9+%
Average Particle Size	30-50 nm
Specific Surface Area	12-20 m ² /g
Colour	-
Morphology	-
Bulk Density	-
True Density	6.7 g/cm ³
Melting point	2300°C
Boiling point	-

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3 SPECIFICATIONS

N/A

4 TRANSMISSION ELECTRON MICROSCOPY

N/A

5 X-RAY DIFFRACTION PATTERN

N/A

6 ORDER INFORMATION

7 OTHER INFORMATION

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