

Technical Data Sheet

Silicon(IV)carbide nanopowder, 50-60 nm

Revision Date: 2009-08-19

Date Issued: 2007-05-01

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

Product name	Silicon(IV)carbide powder, 50-60 nm
Product code	NC-0008-HP
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Emergency telephone	+49 (0)179 - 5322578

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Silicon(IV)carbide powder (beta)
Empirical Formula	SiC
CAS No.	409-21-2
Molecular weight	40.10 amu
Purity	95 %
Average particle size	50-60 nm
Particle size range	nm
Specific Surface Area	80 m ² /g
Colour	grayish
Morphology	spherical
Bulk Density	g/cm ³
True Density	3.216 g/cm ³
Melting point	2700 °C

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3 SPECIFICATIONS

Components	Contents (%)
Free Si	0.48
Free C	0.96
O	0.89
SiO ₂	0.02
Fe ₂ O ₃	0.02
Ca	0.05
Fe	0.06
Al	0.02

4 ORDER INFORMATION

NC-0008-HP can be obtained in the following standard quantities:

Quantity	Price
10 g	Please enquire
25 g	Please enquire
50 g	Please enquire
100 g	Please enquire
500 g	Please enquire
Bulk	Please enquire

Please send your order via email to order@nanomaterials.iolitec.de or fax +49 (0)7131 – 89839109.

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7 OTHER INFORMATION

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