

# Technical Data Sheet

## Silicon carbide

Revision Date: 8/18/2025

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

<b>Product name</b>	Silicon carbide
<b>Product code</b>	NC-0008-HP
<b>CAS</b>	409-21-2
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131 - 898390
<b>Fax</b>	+49 (0)7131 - 89839109
<b>Emergency telephone</b>	+49 (0)151-41255671

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient name</b>	Silicon carbide
<b>CAS No.</b>	409-21-2
<b>Empirical Formula</b>	SiC
<b>Molecular weight</b>	40.10 g/mol
<b>Purity</b>	>99%
<b>Crystallographic phase</b>	cubic
<b>Polytype</b>	$\beta$
<b>Color</b>	grayish white
<b>Average Particle Size</b>	40 nm
<b>Bulk density</b>	0.03-0.06 g/cm <sup>3</sup>
<b>True Density</b>	3.216 g/cm <sup>3</sup>

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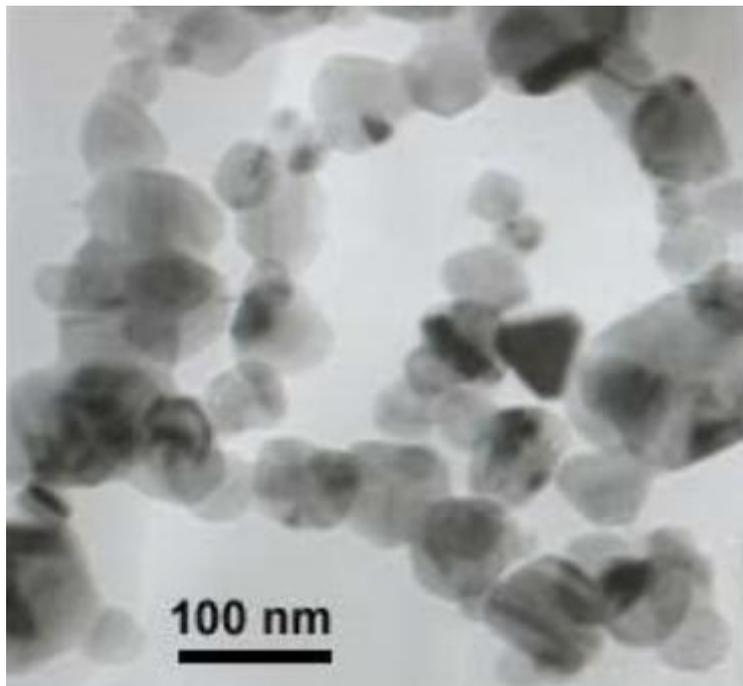
**Making Method**

Plasma CVD

### 3 CONTENT OF IMPURITIES

Impurity	Content
Si	<0.15%
C	<0.15%
Cl	≤ 0.1%
O	≤ 0.6%

### 4 TEM IMAGE



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## 5 OTHER INFORMATION

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