

# Technical Data Sheet

## Boron nitride

Date Issued: 2019-08-14

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

<b>Product name</b>	Boron Nitride powder
<b>Product code</b>	NC-0007-HP
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131 - 898390
<b>Fax</b>	+49 (0)7131 - 89839109
<b>Emergency telephone</b>	+49 (0)176 - 84850874

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient name</b>	Boron nitride powder
<b>Empirical Formula</b>	BN
<b>CAS No.</b>	10043-11-5
<b>Molecular weight</b>	24.82 amu
<b>Purity</b>	99 %
<b>Average particle size</b>	137 nm
<b>Specific Surface Area</b>	19.4 m <sup>2</sup> /g
<b>Color</b>	white
<b>Crystal phase</b>	hexagonal
<b>Bulk Density</b>	0.30 g/cm <sup>3</sup>
<b>True Density (20°C)</b>	2.25 g/cm <sup>3</sup>
<b>Melting point</b>	2700 °C

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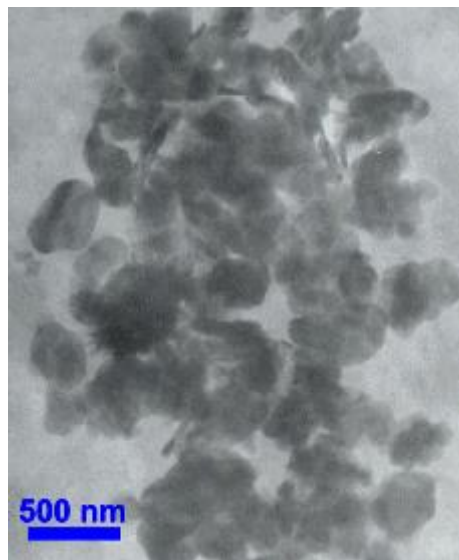
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### 3 SPECIFICATIONS

Components	Contents (%)
B <sub>2</sub> O <sub>3</sub>	0.13
CaO	0.003
Fe <sub>2</sub> O <sub>3</sub>	0.04
MgO	0.04

### 4 TRANSMISSION ELECTRON MICROSCOPY



### 5 OTHER INFORMATION

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