

# Technical Data Sheet

## Titanium nitride

Date Issued: 2019-08-14

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

<b>Product name</b>	Titanium nitride
<b>Product code</b>	NC-0012-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>	Titanium(III)nitride
<b>Empirical Formula</b>	TiN
<b>CAS No.</b>	25582-20-4
<b>Molecular weight</b>	61.87 amu
<b>Purity</b>	99 %
<b>Average particle size</b>	14 nm
<b>Specific Surface Area</b>	> 80 m <sup>2</sup> /g
<b>Chrystal Phase</b>	face centered cubic (fcc)
<b>Color</b>	black
<b>Morphology</b>	spherical
<b>Bulk density</b>	0.08 g/cm <sup>3</sup>
<b>True Density</b>	5.22 g/cm <sup>3</sup>

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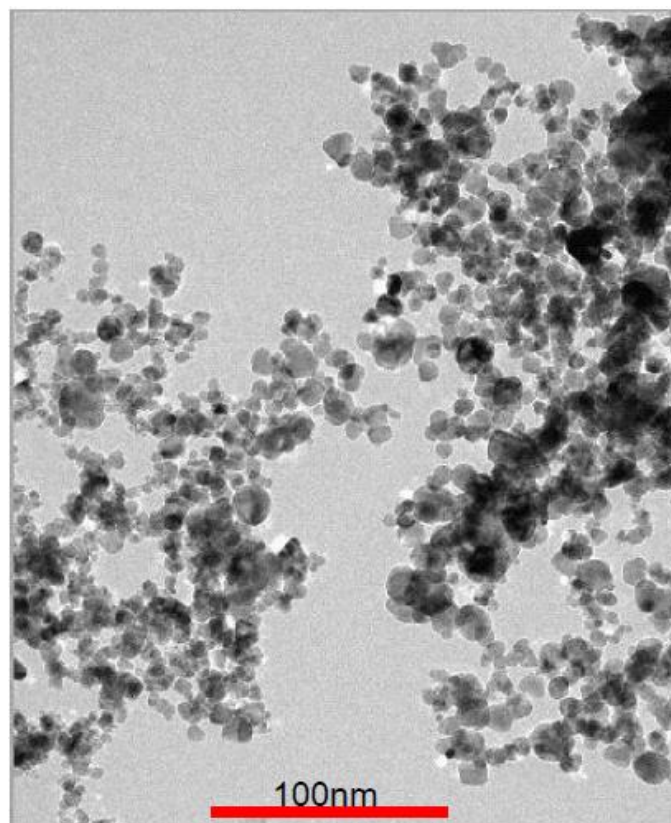
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### 3 SPECIFICATIONS

Components	Contents (%)
Oxygen	<1.0

### 4 ORDER INFORMATION



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### 5 OTHER INFORMATION

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