

Technical Data Sheet

Titanium nitride

Revision Date: 8/18/2025

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

Product name	Titanium nitride powder
Product code	NC-0019-SG
CAS	25583-20-4
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)151-41255671

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Titanium nitride
CAS No.	25583-20-4
Empirical Formula	TiN
Molecular weight	61.87 g/mol
Purity	97%
Morphology	spherical
Average Particle Size	100 nm
Specific Surface Area	> 70 m ² /g
Relative Density	5.22 g/cm ³
Bulk Density	0.08 g/cm ³
Melting point	2930°C
Colour	black

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3 SPECIFICATIONS

Components	Contents (%)
Oxygen	<1.0

4 OTHER INFORMATION

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