

# **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-0005-HP

**CAS** 25583-20-4

Supplier loLiTec

Ionic Liquids Technologies GmbH

Im Zukunftspark 9

D-74076 Heilbronn

Germany

**Telephone** +49 (0)7131 - 898390

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#### **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 20 nm

**Specific Surface Area**  $40 - 55 \text{ m}^2/\text{g}$ **Relative Density**  $5.24 \text{ g/cm}^3$ 

Bulk Density 0.08 g/cm<sup>3</sup>

Melting point 2930°C

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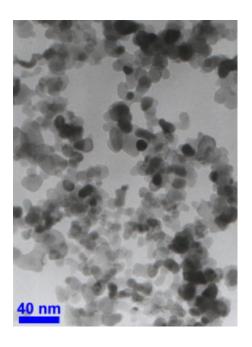
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#### **3 CONTENT OF IMPURITIES**

Impurity	Content
С	≤ 0.03%
Fe	≤ 0.001%
Ni	≤ 0.001%
0	≤ 0.22%
Si	≤ 0.003%

#### **4 TEM IMAGE**



#### **5 OTHER INFORMATION**

**DISCLAIMER** 

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