

# Technical Data Sheet

## Silicon oxide powder (non-porous)

Revision Date: 04/17/2024

Date Issued: 04/17/2024

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

<b>Product name</b>	Silicon oxide powder (non-porous)
<b>Product code</b>	NO-0071-HP
<b>CAS</b>	7631-86-9
<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 dioxide
<b>CAS No.</b>	7631-86-9
<b>Empirical Formula</b>	SiO <sub>2</sub>
<b>Molecular weight</b>	60.09 g/mol
<b>Purity</b>	99.5%
<b>Morphology</b>	spherical
<b>Average Particle Size</b>	20 nm
<b>Specific Surface Area</b>	160 m <sup>2</sup> /g
<b>Relative Density</b>	2.2-2.6 g/cm <sup>3</sup>
<b>Bulk Density</b>	0.08-0.10 g/cm <sup>3</sup>

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**Melting point** 1610-1728°C

**Boiling point** 2230°

### 3 CONTENT OF IMPURITIES

Impurity	Content
Al	≤ 0.002 %
Fe	≤ 0.001 %
Ca	≤ 0.002 %
Mg	≤ 0.001 %
Cl	≤ 0.001 wt%

### 4 OTHER INFORMATION

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DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.