

Technical Data Sheet

Silicon oxide powder (porous)

Revision Date: 11/7/2025

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

Product name	Silicon oxide powder (porous)
Product code	NO-0040-HP
CAS	7631-86-9
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	Silicon dioxide
CAS No.	7631-86-9
Empirical Formula	SiO ₂
Molecular weight	60.09 g/mol
Purity	99.5%
Morphology	porous and nearly spherical
Average Particle Size	10 - 20 nm
Specific Surface Area	640 m ² /g
Relative Density	2.2-2.6 g/cm ³
Bulk Density	0.08-0.10 g/cm ³

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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 %

4 OTHER INFORMATION

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