

# Silicon tetrachloride ultrapure

<b>CHEMICAL NAME</b>	Silicon tetrachloride 6N
<b>EINECS</b>	233-054-0
<b>CAS NUMBER</b>	10026-04-7
<b>FUNCTION</b>	Raw materials and intermediates for the production of silicon derivatives.
<b>INFORMATION DATA</b>	Molecular weight ..... 169.89 g/mol Colour ..... colourless Smell ..... irritant Water solubility ..... reacts violently with water Density at 20°C ..... 1.48 – 1.5 g/ml Melting temperature ..... -68°C Boiling point ..... 57,6°C Steam pressure at 20°C ..... 25.9 kPa Explosive properties ..... none Auto-ignition temperature ..... > 650°C
<b>TECHNICAL DATA</b>	Purity/% SiCl <sub>4</sub> ..... >99.9999 Fe/ppb ..... <1 Cr/ppb ..... <0.3 Cu/ppb ..... <0.1 Mn/ppb ..... <0.1 Ni/ppb ..... <0.3 Al/ppb ..... <0.1 Total metal ions /ppb ..... <5 SiOH/3670cm <sup>-1</sup> /T% ..... ≤ 98 -CH/2925cm <sup>-1</sup> /T% ..... ≤ 99 HCl/2760cm <sup>-1</sup> /T% ..... ≤ 98 SiH/2258cm <sup>-1</sup> /T% ..... ≤ 98 SiH/2220cm <sup>-1</sup> /T% ..... ≤ 98 SiH/2185cm <sup>-1</sup> /T% ..... ≤ 98
<b>PROPERTIES AND APPLICATION</b>	<ul style="list-style-type: none"> <li>• Raw material/semi-finished product for optical fibre production</li> <li>• Precursor in the production of semiconductors and silicon anodes for lithium-ion batteries</li> </ul>

Information presented herein has been given in good faith and to the best of our current knowledge and experience. The compliance of the specific properties of the supplied product with the data given herein and its fitness for the intended purpose should be checked before the product is used. The producer reserved the right to modify the information presented herein as a result of technological development and improvement of the product by producer.

**PCC Rokita SA**  
ul. Sienkiewicza 4  
56-120 Brzeg Dolny  
Polska

[www.pcc.rokita.pl](http://www.pcc.rokita.pl)