	<b>Product Information</b>	
	<b>SIOGEL® small pored, white</b>	
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**Product Description**

Glassy, hard, irregular shaped granules with pharmaceutical-grade purity according USP, and an internal surface area of approx. 800m<sup>2</sup>/g. Due to its very large surface area, SIOGEL® exhibits a high adsorption capacity for water vapour. SIOGEL® can be reactivated without significantly reducing the adsorption efficiency. It is therefore very economical, easy to dispose of and without any known adverse effects on the environment.



**Formula**

SiO<sub>2</sub> · n (H<sub>2</sub>O) (amorphous form of silica)

**CAS-No.**

7631-86-9

**Physical and Chemical Characteristics**


Typical water vapour adsorption capacity (at 23°C)		
at 20 % RH		min. 10.0 %
at 40 % RH		min. 20.0 %
at 80 % RH		min. 31.0 %
Moisture loss (140 °C)		max. 2.0 %
Bulk density		620 – 800 g/l

**OKER-CHEMIE GmbH**

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Im Schleeke 77 · 38642 Goslar ·

☎ 05321 / 751-53415 ✉ [vertrieb@oker-chemie.de](mailto:vertrieb@oker-chemie.de) 🌐 <http://www.oker-chemie.de>

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<b>Standard grain sizes</b>	0.2 – 1.0 mm 0.5 – 1.5 mm 1.0 – 3.15 mm 3.0 – 6.0 mm Other special gradings on request
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<b>Applications</b>	<p>Due to its extremely high adsorptive capacity SIOGEL® small porous has a multitude of uses: Static adsorption (moisture removal and humidity control in packaging and other enclosed spaces without induced air flow). Dynamic adsorption (moisture removal from a continuously flowing gas or liquid stream). The temperature at reactivation should not exceed 180°C. Due to its strong affinity for polar molecules and compounds, water vapour as well as polar organic substances (e. g. ketones and acids) are adsorbed on the inner surface of Silica Gel. SIOGEL® small pored, white is especially suited to the NOVACOR SCLAIRTECH process for LLDPE/HDPE production.</p>
<b>Packing</b>	Airtight in 25 kg – cartons, reconditioned 125 kg – steel drums or 850 kg – bulk bags
<b>Handling</b>	SIOGEL® must always be kept in airtight containers to avoid pre-adsorption with water vapour. Face masks should be used during continuous exposure to extensive dusting.
<b>Note</b>	Any details of application possibilities do not free the purchaser from the obligation of performing own tests on the material supplied by the seller, in order to determine their suitability for the intended processes and purposes. Application, use and processing of the material cannot be controlled by the seller and are thus the sole responsibility of the purchaser.

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