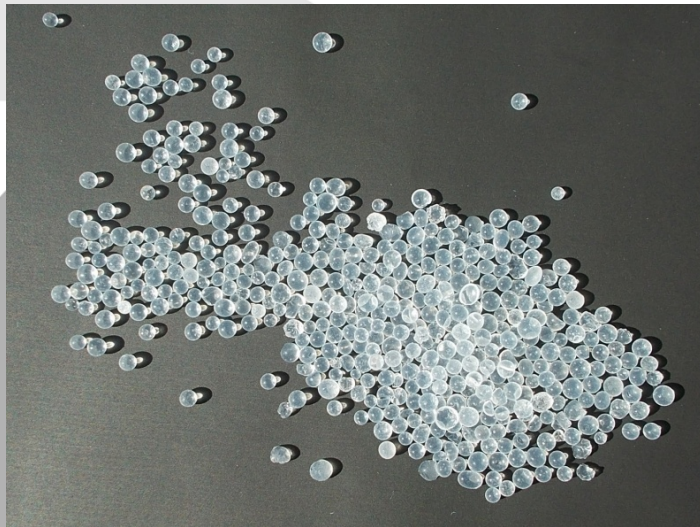


#### Product

Silica gel, milky white beads with pharmaceutical-grade purity and a large mean pore diameter of 100 Å.

SIOGEL® wide pored, beads can be reactivated without significantly impairing the efficiency. It is therefore very economical, easy to dispose of and without any known adverse effects on the environment.



#### Formula

$\text{SiO}_2 \cdot n(\text{H}_2\text{O})$  (synthetic amorphous silicium dioxide)

#### CAS-No.

7631-86-9

#### Physical and Chemical

Moisture loss (140 °C 4h)

max. 4%

#### Characteristics

Bulk density

350 – 500 g/L

Pore volume


0.75 – 1.0 mL/g

Adsorption capacity at 80% RH (23°C)

min. 60 %

Adsorption capacity at 100% RH (23°C)

min. 70 %

|   |                            |             |
|---|----------------------------|-------------|
|  | <b>Product Information</b> |             |
|   | SIOGEL® wide pored, beads  |             |
| Date: 03 / 2021   | <b>PI-No.: SIO-08</b>      | Page 2 of 2 |
| Revision: 02  |                            |             |

|                    |  |
|--------------------|--|
| Grain Size         | 1.5 – 2.5 mm   |
| <b>Application</b> | <p>Due to its special pore structure SIOGEL® wide porous, beads are applied for many technical processes:</p> <ul style="list-style-type: none"> <li>• Catalyst and catalyst carrier in varied chemical and petrochemical operations</li> <li>• Petrol refining</li> <li>• Dehydration and purification of liquids</li> </ul> <p>The temperature at reactivation should not exceed 180 °C.</p> |

|                  |  |
|------------------|--|
| <b>Packaging</b> | Airtight in 20 kgs cartons with PE-Inliner   |
| <b>Handling</b>  | SIOGEL® wide pored, beads, white 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. |

## OKER-CHEMIE GmbH

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