

# ZEOFREE® 5170

## Precipitated Silicon Dioxide

### Characteristic physico-chemical data\*

Properties and test methods	Unit	Value
Median particle size	µm	250
Linseed oil absorption	ml/100g	160
Carrying Capacity	%	57
Loss on drying	%	5
pH value, 5 % in water	-	7
Bulk density	kg/m <sup>3</sup>	330
BET Surface Area	m <sup>2</sup> /g	160

\*) The given data are typical values. Specifications on request.

### Certifications and Classifications

#### ZEOFREE® 5170

CAS-No.	112926-00-8 resp. 7631-86-9
	<ul style="list-style-type: none"> <li>• Quality excellence achieved through GMPs and ISO:9001 certifications</li> <li>• FDA compliance: 21 CFR 172.480, 173.340, 160.105 &amp; 185</li> <li>• Compliance with the purity criteria in Regulation (EU) 231/2012 (E551) as amended</li> <li>• Conformity with COSMOS standard</li> <li>• Certified as Kosher, Pareve, Kosher for Passover, and Halal</li> </ul>

ZEOFREE® 5170 Silicon Dioxide is a high-absorptive powder carrier that absorbs liquids, turning them into a free-flowing powder. At Evonik, we understand the headaches associated with absorbing a liquid onto a powder. Achieving the optimal solution requires a balancing of the carrying capacity of the carrier, the viscosity of the liquid, the liquid droplet size when sprayed onto the powder and the mixing time. Evonik has solved these problems for numerous customer applications and can provide the optimal carrier solution for your application with our portfolio of high performing carrier products ready to turn your liquids into free-flowing powders.

### Benefits

- Clean convenient handling
- Accurate dosing and weighing
- No spillage
- Shorter cycle times
- Less loss of material
- Tasteless carriers and will not add flavor
- Allows for safer handling of corrosive or acidic ingredients by converting to powder form

### Safety and Handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Operations, Product Safety Department, E-MAIL [sds-im@evonik.com](mailto:sds-im@evonik.com) We recommend to read carefully the safety data sheet prior to the use of our product.

### Packaging and storage

For details regarding our packaging options for this product, please contact your local sales representative. Our silica products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore, we recommend storing the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content. For this reason, our recommended use-by date is 36 months after date of manufacture. Product more than 36 months old should be tested for moisture content before use in order to make certain that it is still suitable for the

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

**Applied Technology  
Evonik Operations GmbH**  
Business Line Silica  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59-3536  
FAX +49 6181 59-4096  
ask-si@evonik.com  
www.silica-specialist.com

**Europe/ Middle-East/  
Africa/ Latin America  
Evonik Operations GmbH**  
Business Line Silica  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59-8118  
FAX +49 6181 59-78118  
ask-si@evonik.com  
www.silica-specialist.com

**North America  
Evonik Corporation**  
Business Line Silica  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
USA  
PHONE +1 800 233-8052  
FAX +1 973 929-8502  
ask-si@evonik.com  
www.silica-specialist.com

**Asia-Pacific  
Evonik (SEA) Pte. Ltd.**  
Business Line Silica  
3 International Business Park  
#07-18, Nordic European Centre  
Singapore 609927  
PHONE +65 6 809 6877  
FAX +65 6 809 6677  
ask-si-asia@evonik.com  
www.silica-specialist.com