

# ZEOFREE® PLUS 5782

## Precipitated Silicon Dioxide

### Characteristic physico-chemical data\*

Properties and test methods	Unit	Value
Median particle size	µm	15
DOA oil absorption	ml/100g	300
Water absorption	ml/100g Dried Basis (2 hours at 105°)	290
Linseed oil absorption	ml/100g	260
Loss on drying	%	6
pH value, 5 % in water	-	6,5
Bulk density	kg/m <sup>3</sup>	120

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

### Certifications and Classifications

#### ZEOFREE® PLUS 5782

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>Certified as Kosher, Pareve, Kosher for Passover, and Halal</li> </ul>

ZEOFREE® PLUS 5782 silicon dioxide has a small particle size and is highly absorptive, which provides anti-caking and improved flow properties for both food and industrial powders requiring a high degree of protection. Moisture, pressure, temperature, static charge, fat and oil content all adversely affect your powdered and granulated products during production, processing, storage and customer use. They can make your products cake, lump, bridge, clog equipment and give you packaging and performance issues. Evonik provides solutions to improve the flow behavior and storage stability of powders with specialty engineered anti-caking & free-flow agents and carriers. Through advanced controlled structure technology and custom application development, Evonik can provide the optimal solution for your application. Our proven conditioning agents and carriers are non-deleterious, odorless and tasteless powders that can be used in a wide variety of applications.

### Benefits

- Improved flow properties
- Offers faster production rates and increased capacity
- Reduced production downtime and maintenance
- Improved product quality and consistency
- Improved package weight accuracy
- Decreases caking and lumping

### Safety and Handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet. 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

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 Resource Efficiency 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.sipernat.com

**Europe/ Middle-East/**

**Africa/ Latin America**

**Evonik Resource Efficiency 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.sipernat.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.sipernat.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.sipernat.com