

# ZEOFREE® 250 Pharmaceutical & Nutraceutical

## Precipitated Calcium Silicate NF

### Characteristic physico-chemical data\*

Properties and test methods	Unit	Value
Median particle size	µm	15
Linseed oil absorption	ml/100g	280
Loss on drying	%	5
pH value, 5 % in water	-	10
Bulk density	kg/m <sup>3</sup>	150
Water absorption	ml/100g	260

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

### Certifications and Classifications

#### ZEOFREE® 250 Pharmaceutical & Nutraceutical

CAS-No.	1344-95-2
<ul style="list-style-type: none"> <li>• Meets USP-NF for Calcium Silicate</li> <li>• Conformity with COSMOS standard</li> <li>• Certified as Kosher, Pareve, Kosher for Passover, and Halal</li> </ul>	

ZEOFREE® 250 synthetic amorphous calcium silicate NF has a medium particle size (15 microns) and is highly absorptive. With a pH-value of 10, the product can serve multiple purposes in tableting. ZEOFREE® 250 calcium silicate NF can be used as a glidant to allow uniform flow into the tablet press which results in less tab-let weight variation. When used as a tablet coating, ZEOFREE® 250 calcium silicate NF provides a buffering effect reducing tablet dissolution in the stomach. ZEOFREE® 20 calcium silicate NF also minimizes moisture absorption by the tablets.

### Properties and applications

- As as a glidant
  - Provides more even flow into the tablet press
  - Reduces tablet weight variation
- As a tablet coating
  - Higher pH acts as a buffer for stomach acid
  - High absorptive capacity protects tablets from moisture uptake
- As a carrier
  - Turning liquids into dry, flowable powders

### 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.

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**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