

# ZEOFREE® 5133 (EU)

## Precipitated Calcium Silicate

### Characteristic physico-chemical data\*

Properties and test methods	Unit	Value
Median particle size	µm	11
Linseed oil absorption	ml/100g	130
Loss on drying	%	6
pH value, 5 % in water	-	10
Bulk density	kg/m <sup>3</sup>	200

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

### Certifications and Classifications

#### ZEOFREE® 5133 (EU)

CAS-No.	1344-95-2
<ul style="list-style-type: none"> <li>• EC 215-710-8</li> <li>• Quality excellence achieved through GMPs and ISO:9001 certifications</li> <li>• FDA compliance: 21 CFR 169.179, 172.410, 175.105, 176.170, 177.2355, 178.3297, 182.2227</li> <li>• Compliance with the purity criteria in Regulation (EU) 231/2012 (E552) as amended</li> <li>• Conformity with COSMOS standard</li> <li>• Certified as Kosher, Pareve, Kosher for Passover, and Halal</li> </ul>	

ZEOFREE® 5133 Calcium Silicate provides low dusting, anti-caking and free-flow properties for a broad variety of food products and processes. Moisture, pressure and temperature all adversely affect powdered and granulated products. These conditions can make products cake, lump, bridge, clog equipment and cause packaging and performance problems. This low dusting product is particularly effective in promoting flow in process, preventing buildup on spray dryer walls and in finished products such as salt and non-dairy creamers as well as other food powders. ZEOFREE® 5133 Calcium Silicate is specifically engineered to provide improved handling, metering ability and function as a spray drying productivity aid.

### Benefits

- Prevents caking and eliminates lumps
- Improves flow and increases packaging rates
- Reduces or eliminates build up in spray drying operations
- Decreases clogging and bridging during production
- Provides a low dusting and non-aluminum option when regulations require

### 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 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 intended application.

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