

ZEOFREE® 5161 Animal Feed and Nutrition

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Median particle size	µm	20
Linseed oil absorption	ml/100g	220
Carrying Capacity	%	72
Loss on drying	%	5
pH value, 5 % in water	-	7
Bulk density	kg/m ³	160
BET Surface Area	m ² /g	160

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

Certifications and Classifications

ZEOFREE® 5161 Animal Feed and Nutrition

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

ZEOFREE® 5161 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.

Properties and applications

- Clean convenient handling
- Accurate dosing and weighing
- Create combinations of liquids that can be easily added as one powdered ingredient such as detergents
- 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. 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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