

Product Information

SIPERNAT® 37

SIPERNAT® represents a specific product range of precipitated silica, aluminum and Calcium silicates.

CAS NUMBER

112926-00-8 (ex 7631-86-9)

Registrations

REACH (Europe)	Registered
TSCA (USA)	Registered
AICS (Australia)	Registered
DSL (Canada)	Registered
PICCS (Philippines)	Registered
IECSC (China)	Registered
ENCS (Japan)	Registered
KECI (Korea)	Registered
NZIoC (New Zealand)	Registered

PRODUCT DESCRIPTION

SIPERNAT®37 is a precipitated silica with a high adsorption capability.

BENEFITS & ADVANTAGES

SIPERNAT®37 is used as a flow aid and anti-caking agent via mixing and adhesion on the host powders in many applications including the different food powders and feed powders. On the other hand, this product is recommended as carriers of many liquid/paste ingredients thanks to its outstanding adsorption capability, for example, the solid formulations such as wettable powders (WP) and water-dispersible granules (WG) in plant protection if grinding is to be avoided.

HANDLING & PROCESSING

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 Operation, Product Safety

Department, Email sds-im@evonik.com. We recommend reading carefully the safety data sheet prior to the use of our product.

PACKAGING

For details regarding our packaging options for this product, please contact your local sales representative.

STORAGE

Our silica products are inert and extremely stable chemically. However, their high surface area leads to the adsorption of moisture and volatile organic substances from the surrounding atmosphere. Therefore, we recommend storing the products in sealed containers in a dry, cool place and removed from volatile organic substrates. Even if a product is stored under these conditions, after a longer period in can still pick up ambient moisture over time, which could lead to it exceeding the specified moisture content. For this reason, our recommended use-by date is 24 months after date of manufacture. Product more than 24 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (N ₂) Multipoint following ISO 9277	m ² /g	185
DOA absorption ¹⁾ following ISO 19246	ml/100g	285
Particle size, d50 Laser diffraction following ISO 13320	µm	22
Loss on drying (105°, 2 h)	wt. %	< 8.0
pH value 5 % in water following ISO 787-2	-	6.5
Total aerobic microbial count (TAMC) accord. to USP & EP	cfu/g	≤ 1000
Total yeasts and molds count (TYMC) accord. to USP & EP	cfu/g	≤ 300
Specified microorganisms accord. to USP & EP	-	Absence
Requirements acc. JECFA Silicon Dio. (Ppt Silica)	-	Conforms

The data represent typical values. Specifications on request.

¹⁾ Based on original substrate

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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