SIPERNAT®

Product information

SIPERNAT® 20

Characteristic physico-chemical data*)

Properties and test methods	Unit	Value
Specific surface area (N_2) Multipoint following ISO 9277	m^2/g	180
DOA absorption [1)] following ISO 19246	ml/100g	235
Particle size, d50 Coulter	µm	55
Loss on drying 2 h at 105°C following ISO 787-2	%	≤ 7.0
pH value 5 % in water following ISO 787-9	-	6.2
Sieve residue 63 µm Alpine following ISO 8130-1	%	45
Electrical conductivity 4 % in water following ISO 787-14	µS/cm	≤ 1100
Tamped density not sieved following ISO 787-11	g/l	220

1) based on original substance
*) The given data are typical values. Specifications on request.

SIPERNAT® 20 is a precipitated silica with a high absorption capacity and made to a specific quality suitable for food and feed applications.

Properties and applications

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 provides conditioning agents and carriers that are non-deleterious, odorless and tasteless that are useful for a wide variety of applications.

SIPERNAT® 20 can be useful in a variety of applications, providing a wide range of benefits:

- Providing excellent free flow and anti-caking agent in powdered food and feed products
- Absorbing liquids, converting them into free-flowing powders
- Tasteless carriers that will not add unwanted flavor
- Clean convenient handling
- Less loss of material
- Accurate dosing and weighing

Safety and handling

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 Operations, Product Safety Department, E-MAIL sds-im@evonik.com 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 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.

Registrations

SIPERNAT® 20

CAS-No.
112926-00-8 (ex 7631-86-9)

- Quality excellence achieved through GMPs and ISO:9001 certifications
- Certified as Kosher, Pareve, Kosher for Passover, and Halal

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