

# SIPERNAT® 22 S

## Characteristic physico-chemical data\*)

Properties and test methods	Unit	Value
Specific surface area (N <sub>2</sub> ) Multipoint following ISO 9277	m <sup>2</sup> /g	190
DOA absorption <sup>1) 4)</sup>	ml/100g	240
Particle size, d50 Laser diffraction following ISO 13320-1	µm	13.5
Loss on drying 2 h at 105°C following ISO 787-2	%	≤ 7.0
pH value 5 % in water following ISO 787-9	-	6.5
Sieve residue 45 µm spray following ISO 3262-19	%	≤ 1.5
Electrical conductivity 4 % in water following ISO 787-14	µS/cm	≤ 1300
Tamped density not sieved following ISO 787-11	g/l	90
Loss on ignition <sup>2)</sup> 2 h at 1000°C following ISO 3262-1	%	≤ 6.0
SiO <sub>2</sub> content <sup>3)</sup> following ISO 3262-19	%	≥ 97
Na content <sup>3) 4)</sup>	%	≤ 1.0
Fe content <sup>3) 4)</sup>	ppm	≤ 400
Sulfate content <sup>1) 4)</sup>	%	≤ 1.5
FAMI-QS	-	yes
Package size (net)	kg	15 (25 lb)

1) based on original substance  
 2) based on dry substance (2 h/105°C)  
 3) based on ignited substance (2 h/1000°C)  
 4) internal method  
 \*) The given data are typical values. Specifications on request.

## Registrations

### SIPERNAT® 22 S

CAS-No.	112926-00-8 (ex 7631-86-9)
REACH (Europe)	registered
TSCA (USA) AICS (Australia) DSL (Canada)	registered
PICCS (Philippines) IECS (China)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
NZIoC (New Zealand)	registered

SIPERNAT® represents a specific product range of precipitated silica, aluminium and calcium silicates.

SIPERNAT® is a silica with high absorption capacity used as a flow and anti-caking agent in many applications as well as a special-purpose ingredient for mechanical graphic papers. In plant protection, this product is recommended as carrier in solid formulations such as wettable powders (WP) and water-dispersible granules (WG) if grinding has to be avoided. For food application a specific quality of this grade is available.

## Safety and handling

Information concerning the safety of this product is listed in the corresponding Material Safety Data Sheet, which will be sent with the first delivery or upon updating.

Such information is also available from: Evonik Industries AG, Product Safety Department, E-Mail: [sds-im@evonik.com](mailto:sds-im@evonik.com). We recommend to read carefully the material safety data sheet prior to the use of our product.

## Packaging and storage

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.

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### **Applied Technology Evonik Industries AG**

Inorganic Materials  
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 Industries AG**

Inorganic Materials  
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**

Inorganic Materials  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
USA  
PHONE +1 888 745-4227  
FAX +1 732 981-5275  
ask-si@evonik.com  
www.sipernat.com

### **Asia-Pacific Evonik Degussa (SEA) Pte. Ltd.**

Inorganic Materials  
3 International Business Park  
#07-18, Nordic European Centre  
Singapore 609927  
PHONE +65 6 809 6851  
FAX +65 6 809 6651  
ask-si-asia@evonik.com  
www.sipernat.com