

Product Information

SIPERNAT® 50 S

CAS NUMBER

112926-00-8

7631-86-9

INCI NAME

Hydrated Silica

PRODUCT DESCRIPTION

SIPERNAT® 50 S is a silica with particularly high absorption capacity.

In Wesseling, Germany, this product is manufactured in accordance with HACCP-Guidelines following the Codex Alimentarius. In addition a Feed Safety Quality Management Systems including Good Manufacturing Practice is implemented and certified by FAMI-QS.

Typical Properties

Property	Unit	Value
Chemical Name		Silicon dioxide, chemically prepared
DOA Absorption following ISO 19246	ml/100 g	280
Electrical Conductivity 4% in water	μS/cm	1200
Loss on Drying 2 h at 105°C	wt%	≤7.0
Loss on Ignition 2 h at 1000°C	wt%	≤6.5
Particle Size D50, Coulter LS	μm	18
Particle Size D50, Bettersizer	μm	15
pH Value 5% in Water		6.0

The data represents typical values (no product specification)

Typical Properties

Property	Unit	Value
Sieve Residue 45 μm Spray	wt%	≤5.0
Specific Surface Area Multipoint following SIO 9277	m ² /g	500
Tamped Density not sieved	g/l	105

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Typical applications: food, feed, plant care, cosmetics

Product Composition

Product Composition	Unit	Value
Iron (Fe) Content	ppm	≤400
Sodium (Na) Content	wt%	≤1.0
Silicon Dioxide (SiO₂) Content	wt%	97.0-100.0
Sulfate (SO₄) Content	wt%	≤1.5

The data represents typical values (no product specification)

SAFETY

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 sdsim@evonik.com We recommend to read 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, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. We therefore recommend storing the products in their original packaging (e.g. fully shrink-wrapped) or in sealed containers in a dry place away (or apart) 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.

SHELF LIFE

2 years

REGISTRATION LISTING SUMMARY

HACCP & FAMI-QS certified

Registration Listings

Registry	Status
Australia (AIIC)	Yes
Canada (DSL)	Yes
China (IECSC)	Yes
EU (EINECS/ELINCS)	Yes
EU (REACH)	Yes
Japan (ENCS)	not available
South Korea (KECL)	Yes
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
Taiwan (TCSI)	not available
USA (TSCA)	Yes

Disclaimer

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