

## Product Information

# SIPERNAT® 160 PQ

## CAS NUMBER

112926-00-8

## PRODUCT DESCRIPTION

SIPERNAT® 160 PQ is a high purity precipitated silicon dioxide for use in pharmaceutical products, tested against the monographs "Silicon Dioxide" (USP/NF) and "Silica Colloidal Hydrated" (Ph. Eur.)

### Typical Properties

Property	Unit	Value
<b>Chemical Name</b>		Silicon dioxide, chemically prepared
<b>Loss on Drying</b> 2h at 105°C	%	≤3.0
<b>Loss on Ignition</b> 1 h at 1000°C	wt%	≤8.5
<b>Particle Size</b> Particle Size, d50 Coulter LS	µm	13
<b>Particle Size</b> Particle Size, d50 Bettersizer	µm	11,5
<b>pH Value</b> 5% in Water		5.5
<b>Sieve Residue</b> 45 µm Spray	%	≤3.0
<b>Specific Surface Area</b> Multipoint following ISO 9277	m <sup>2</sup> /g	170

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

Pharma

### Product Composition

Product Composition	Unit	Value
<b>Arsenic (As) Content</b> according to USP/NF	ppm	≤3
<b>Chloride (Cl) Content</b> according to USP/NF	%	≤0.1
<b>Iron (Fe) Content</b> according to Ph. Eur.	ppm	≤300
<b>Heavy Metal Content</b> according to USP/NF	%	≤0.003
<b>Silicon Dioxide (SiO<sub>2</sub>) Content</b> according to USP/NF	%	≥99.0
<b>Sulfate (SO<sub>4</sub>) Content</b> according to USP/NF	%	≤0.5

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](mailto: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

Complies to Ph. Eur. & USP/NF analytical requirements

Registration Listings	
Registry	Status
Australia (AIC)	Yes

Registration Listings	
Registry	Status
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

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.

### Evonik Operations GmbH

Smart Effects  
 Rodenbacher Chaussee 4  
 63457 Hanau  
 Germany  
 ask-se@evonik.com  
 ask-se-asia@evonik.com  
 ask-se-america@evonik.com  
[www.evonik.com/smarteffects](http://www.evonik.com/smarteffects)