

# AEROSIL® R 972 Pharma

## Hydrophobic colloidal silica

### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	110 ± 20
Tamped density* acc. to DIN EN ISO 787/11, Aug. 1983	g/l	50
Identification Tested according to Ph. Eur., USP/NF	-	complies
Chlorides / Limit of chloride Tested according to Ph. Eur., USP/NF	ppm	≤ 250
Heavy metals / Limit of lead Tested according to Ph. Eur., USP/NF	ppm	≤ 25
Water dispersible fraction Tested according to Ph. Eur., USP/NF	wt. %	≤ 3.0
Loss on ignition* Tested according to Ph. Eur., USP/NF	wt. %	≤ 6.0
Assay (SiO <sub>2</sub> -Content) Tested according to Ph. Eur., USP/NF	wt. %	99.0 - 101.0
* ex plant The data represents typical values (no product specification).		

### Registration

#### AEROSIL® R 972 Pharma

CAS-No.	68 611-44-9
REACH (Europe)	exempted
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
PICCS (Philippines)	registered

AEROSIL® R 972 Pharma is a high purity, amorphous, anhydrous, hydrophobic colloidal silica for use as an excipient in pharmaceutical products (tested according to Ph. Eur. and USP/NF monographs).

### Applications and properties

#### Applications

- Pharmacy, especially solid dosage forms and emulsions

#### Properties

- Glidant for improving powder flow, especially suitable for very hygroscopic and/or cohesive powders
- Viscosity adjuster for thickening of non-polar pharmaceutical oils
- Stabilizer for water in oil (W/O) emulsions
- May be used to adjust release behavior of active ingredients

#### Drug master file

- DMF1115

### 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) or can be downloaded from our homepage [www.aerosil.com](http://www.aerosil.com). We recommend to read carefully the material safety data sheet prior to the use of our product.

### Packaging and storage

AEROSIL® R 972 Pharma is supplied in multiple layer 10 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. Shrink-wrapped pallets should be resealed after the removal of individual bags. AEROSIL® R 972 Pharma should be used within 2 years after production.

This information and all technical and other advice are based on Evonik's present knowledge and experience. However, Evonik assumes no liability for such information or advice, including the extent to which such information or advice may relate to third party intellectual property rights. Evonik reserves the right to make any changes to information or advice at any time, without prior or subsequent notice. EVONIK DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SHALL HAVE NO LIABILITY FOR, MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE), OR OTHERWISE. EVONIK SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. It is the customer's sole responsibility to arrange for inspection and testing of all products by qualified experts. Reference to trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used.

## Customer Service

### Europe/ Middle-East/ Africa/ Latin America

**Evonik Industries AG**  
Inorganic Materials  
PB 010-A410  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59 12532  
FAX +49 6181 59 712532  
aerosil@evonik.com  
www.aerosil.com

### North America

**Evonik Corporation**  
Inorganic Materials  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
USA  
PHONE +1 800-233-8052  
FAX +1 973-929-8502  
aerosil@evonik.com  
www.aerosil.com

### Asia (excluding Japan)

**Evonik Degussa (SEA) Pte. Ltd.**  
Inorganic Materials  
3 International Business Park  
Nordic European Centre, #07-18  
Singapore 609927  
PHONE +65 6809-6877  
FAX +65 6809-6677  
aerosil@evonik.com  
www.aerosil.com

### Japan

**NIPPON AEROSIL CO., LTD.**  
Marketing & Sales Division  
P.O. Box 7015  
Shinjuku Monolith 13F  
3-1, Nishi-Shinjuku 2-chrome  
Shinjuku-ku, Tokyo  
163-0913 Japan  
PHONE +81 3 3342-1789  
FAX +81 3 3342-1761  
infonac@evonik.com  
www.aerosil.jp

## Technical Service

### Europe/ Middle-East/ Africa/ Latin America

**Evonik Industries AG**  
Inorganic Materials  
HPC 911-221 A  
Rodenbacher Chaussee 4  
63403 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59-3936  
FAX +49 6181 59 4489  
technical.service.aerosil@  
evonik.com  
www.aerosil.com

### North America

**Evonik Corporation**  
Inorganic Materials  
2 Turner Place  
Piscataway, NJ 08855-0365  
USA  
PHONE +1 888 SILICAS  
PHONE +1 732 981-5000  
FAX +1 732 981-5275  
technical.service.aerosil@  
evonik.com  
www.aerosil.com

### Asia (excluding Japan)

**Evonik Degussa Specialty  
Chemicals (Shanghai) Co.,Ltd**  
Inorganic Materials  
55 Chundong Road  
Xinzhuan Industry Park  
Shanghai 201108  
P.R. China  
PHONE +86 21 6119-1065  
FAX +86 21 6119-1075  
technical.service.aerosil@  
evonik.com  
www.aerosil.com

### Japan

**NIPPON AEROSIL CO., LTD.**  
Applied Technology Group  
3 Mita-Cho  
Yokkaichi, Mie  
510-0841 Japan  
PHONE +81 59 345-5270  
FAX +81 59 346-4657  
infonac@evonik.com  
www.aerosil.jp