

AEROPERL® 300 Pharma

Colloidal silicon dioxide

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	260 - 320
pH value Tested according to USP/NF and Ph. Eur.		3.5 - 5.5
Loss on drying* Tested according to USP/NF	%	≤ 2.5
Tamped density*	g/l	approx. 270
SiO ₂ content Tested according to USP/NF and Ph. Eur.	%	≥ 99.0
Chloride Tested according to Ph. Eur.	ppm	≤ 250
Average particle size	μm	20 - 60
Pore volume Tested according to BJH	ml/g	1.5 - 1.9
* ex plant The data represents typical values (no product specification)		

Registrations (substance or product components)

AEROPERL® 300 Pharma

CAS-No.	112 945-52-5 (ex 7631-86-9)
REACH (Europe)	registered
TSCA (USA) DSL (Canada)	registered
ENCS (Japan) IECSC (China) KECI (Korea) PICCS (Philippines)	registered
AICS (Australia) NZIoC (New Zealand)	registered

AEROPERL® 300 Pharma is a granulated high purity colloidal silicon dioxide for use in pharmaceutical products (tested according to USP/NF and Ph. Eur. Monograph 0434).

Applications and properties

Applications

Pharmaceuticals

- Carrier for liquid and pasty (active) ingredients
- Increases the dissolution of poorly soluble Active Pharmaceutical Ingredients (APIs)
- Desiccant for Moisture Activated Dry Granulation (MADG) processes

Properties

- Easy handling, low dust
- High purity
- Excellent flow behaviour both loaded and unloaded

Safety and handling

A safety data sheet will be provided with your first delivery and with subsequent revisions. Additionally, the Product Safety Department of Evonik Resource Efficiency GmbH can be contacted via mail at sds-hu@evonik.com for specific questions. We recommend to read the safety data sheet carefully prior to use of the product.

Packaging and storage

AEROPERL® 300 Pharma is supplied in dual packaging consisting of an inner plastic bag and an outer multi-ply paper bag; the net product weight is 10 kg. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROPERL® 300 Pharma should be used within 2 years after production.

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Customer Service

Europe/ Middle-East/ Africa/ Latin America

Evonik Resource Efficiency GmbH
Business Line Silica
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
Business Line Silica
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 (SEA) Pte. Ltd.
Business Line Silica
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 Resource Efficiency GmbH
Business Line Silica
HPC 911-221 A
Rodenbacher Chaussee 4
63457 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
Business Line Silica
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 Specialty
Chemicals (Shanghai) Co.,Ltd**
Business Line Silica
55 Chundong Road
Xinzhuang Industry Park
Shanghai 201108
P.R. China
PHONE +86 21 6119-1151
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