

## AEROSIL® R 805

### Hydrophobic fumed silica

#### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	125 - 175
pH value in 4% Dispersion		3.5 - 5.5
Loss on drying* 2 hours at 105°C	%	≤ 0.5
C content	%	4.5 - 6.5
Tamped density*	g/l	approx. 60
SiO <sub>2</sub> content based on ignited material	%	≥ 99.8
* ex plant The data represents typical values (no product specification)		

#### Registrations (substance or product components)

##### AEROSIL® R 805

CAS-No.	92 797-60-9
REACH (Europe)	registered
TSCA (USA) DSL (Canada)	registered
ENCS (Japan) IECSC (China) KECI (Korea) CSNN (Taiwan) PICCS (Philippines)	registered
AICS (Australia) NZIoC (New Zealand)	registered

AEROSIL® R 805 is a fumed silica aftertreated with organosilane.

#### Applications and properties

##### Properties

- Homogeneously hydrophobic surface
- Effective in the rheological control of complex liquid systems (such as paint and coating systems, adhesive and sealant materials)
- Efficient effect as flow agent
- Fine particle size

##### Applications

- Very efficient effect in thickening and thixotropy of complex polar liquids such as 2 K epoxy coatings
- Anti-settling agent and for pigment stabilization in coating applications
- The hydrophobia guarantees the efficient effect as flow agent in very different applications, such as powder coatings, toners, or cosmetics
- Rheology control for brilliant clear coat and top coats, such as acrylic/isocyanate coating formulations
- Enhances the anti-corrosion properties for coatings
- The hydrophobia makes the product suitable as an additive in anti-corrosion coatings

## Packaging and storage

AEROSIL® R 805 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. AEROSIL® R 805 should be used within 2 years after production.

## Safety and handling

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 Resource Efficiency GmbH, Product Safety Department, E-MAIL [sds-hu@evonik.com](mailto:sds-hu@evonik.com) or can be downloaded from our homepage [www.aerosil.com](http://www.aerosil.com). We recommend to read carefully the safety data sheet prior to the use of our product.

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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](mailto:aerosil@evonik.com)  
[www.aerosil.com](http://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](mailto:aerosil@evonik.com)  
[www.aerosil.com](http://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](mailto:aerosil@evonik.com)  
[www.aerosil.com](http://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](mailto:infonac@evonik.com)  
[www.aerosil.jp](http://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  
63403 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59-3936  
FAX +49 6181 59 4489  
[technical.service.aerosil@evonik.com](mailto:technical.service.aerosil@evonik.com)  
[www.aerosil.com](http://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](mailto:technical.service.aerosil@evonik.com)  
[www.aerosil.com](http://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 6119-1065  
FAX +86 21 6119-1075  
[technical.service.aerosil@evonik.com](mailto:technical.service.aerosil@evonik.com)  
[www.aerosil.com](http://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](mailto:infonac@evonik.com)  
[www.aerosil.jp](http://www.aerosil.jp)