

# AEROSIL® R 816

## Surface modified fumed silica

### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	170 - 210
pH value in 4% dispersion		4.0 - 5.5
Loss on drying* 2 hours at 105 °C	%	≤ 1.0
Tamped density*	g/l	approx. 60
SiO <sub>2</sub> content	%	≥ 99.8
Carbon content based on ignited material	%	0.9 - 1.8
* ex plant The data represents typical values (no product specification).		

### Registrations (substance or product components)

#### AEROSIL® R 816

CAS-No.	199 876-45-4
REACH (Europe)	exempted, all basic substances and treatment agents registered (REACH conform)
TSCA (USA)	registered
ENCS (Japan) IECSC (China) KECI (Korea) CSNN (Taiwan) PICCS (Philippines)	registered
AICS (Australia)	registered

AEROSIL® R 816 is a fumed silica aftertreated with a hexadecylsilane.

### Applications and properties

#### Applications

- Water-based coatings systems
- Cosmetics

#### Properties

- Effective rheology control in complex liquid systems
- AEROSIL® R 816 can be applied in coatings systems as an anti-settling agent, for the stabilization of pigments and to enhance the effect of corrosion protection

### 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](mailto:sds-hu@evonik.com) for specific questions. We recommend to reach the safety data sheet carefully prior to use of the product.

### Packaging and storage

AEROSIL® R 816 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 816 should be used within 2 years after production.

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