

AEROSIL® R 816

Surface modified fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /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 ₂ 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 surface treated with a hexadecylsilane for water based coatings systems or cosmetics.

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

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 sds-im@evonik.com We recommend to read carefully the safety data sheet prior to the use of our 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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