

Product Information

AEROSIL® R 972

CAS NUMBER

68 611-44-9

INCI-NAME

Silica Dimethyl Silylate

PRODUCT DESCRIPTION

AEROSIL® R 972 is a fumed silica aftertreated with DDS (Dimethyldichlorosilane)

Typical Properties

Property	Unit	Value
BET Surface Area	m ² /g	90-130
Chemical Name		Silane, dichlorodimethyl-, reaction products with silica
Loss on Drying, max.	wt%	0.5
Loss on Ignition, max.	wt%	2.0
pH Value in 4% Dispersion		3.6-5.5
Tapped Density	g/l	50

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Typical applications: silicone rubber and sealants, adhesives, cosmetics, plant care, coatings

Product Composition

Product Composition	Unit	Value
Carbon (C) Content	wt%	0.6-1.2
Silicon Dioxide (SiO₂) Content based on ignited material	wt%	99.8-100.0

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- Hydrophobic component for thickening and reinforcement of RTV-1 K silicone sealants
- Improves shelf-life of silicone sealants
- Water resistant, hydrophobising of liquid systems
- Rheology control of (complex) liquid systems
- For use in coatings as anti-settling agent, for pigment stabilization and improvement of corrosion protection
- Improves hydrophobicity and rheology of offset printing inks
- Improvement and maintenance of free flow and anticaking characteristics of powders

HANDLING & PROCESSING

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 the use of our product.

PACKAGING

AEROSIL® R 972 is supplied in multiple layer 10kg bags.

STORAGE

We recommend to store the product in closed containers under dry conditions and to protect the material from vola-

tile substances. AEROSIL® R 972 should be used within 2 years after production.

SHELF LIFE

2 years

Registration Listings

Registry	Status
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Australia (AICIS)	Yes
Canada (DSL)	Yes
China (IECSC)	Yes
EU (REACH)	Yes

Registration Listings

Registry	Status
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EU (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
Korea (KECL)	Yes
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
Taiwan (TCSI)	Yes
USA (TSCA)	Yes

Disclaimer

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