

## Product Information

# ZEODENT® 168

### CAS NUMBER

112926-00-8

7631-86-9

### INCI NAME

Hydrated Silica

### PRODUCT DESCRIPTION

ZEODENT® 168 provides the highest level of thickening of all Evonik precipitated silica products, at minimum concentrations. A lower usage level can provide rheological benefits and create space in your formulations for other ingredients. Use ZEODENT® 168 for a higher viscosity and superior thickening efficiency.

#### Typical Properties

Property	Unit	Value
<b>Sodium Sulfate (Na<sub>2</sub>SO<sub>4</sub>) Content</b>	%	≤2.5
<b>Chemical Name</b>	Silicon dioxide, chemically prepared	
<b>DOA Absorption</b> following ISO 19246	ml/100 g	230
<b>Fluoride Compatibility</b>	%	≥90
<b>Loss on Drying</b> following ISO 787-2	wt%	≤7.0
<b>Median Particle Size</b> following ISO 13320	µm	12
<b>pH Value</b> 5% in Water following ISO 787-9		5.5-7.5
<b>Sieve Residue</b> 45 µm, spray following ISO 3262-19	wt%	≤1.5

The data represents typical values (no product specification)

### BENEFITS & ADVANTAGES

- Highest level of thickening at minimum concentrations
- Superior stability, smoothness, dispersion, and mouth feel
- High level of compatibility with sodium fluoride and other active ingredients
- Formulated in combination with other Evonik silicas for enhanced cleaning

### SAFETY

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be provided with the first delivery, or upon updating. Such information is also available from Evonik Operations, Product Safety Department, E-MAIL [sds-hu@evonik.com](mailto:sds-hu@evonik.com). We recommend that you carefully read the safety data sheet prior to the use of our product.

### STORAGE

Evonik silica products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding environment. We therefore recommend storing the product in the original packaging (e.g., fully shrink-wrapped) or in sealed containers in a dry place away from volatile organic substances. Even with storage under ideal conditions, after a long period of time the product can pick up ambient moisture, which could lead to exceeding the specified moisture content. For this reason, our recommended use-by date is 36 months subsequent to the manufacturing date. Product more than 36 months old should be tested before use for moisture content in order to make certain that it is still suitable for the intended application.

### SHELF LIFE

3 years

### TYPICAL APPLICATIONS

Typical applications: toothpaste

#### Registration Listings

Registry	Status
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Australia (AIIC)	Yes
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Canada (DSL)	Yes
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China (IECSC)	Yes
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EU (REACH)	Yes
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EU (EINECS/ELINCS)	Yes
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Japan (ENCS)	Yes
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#### Registration Listings

Registry	Status
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South Korea (KECL)	Yes
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New Zealand (NZIoC)	Yes
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Philippines (PICCS)	Yes
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Taiwan (TCSI)	Yes
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USA (TSCA)	Yes
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#### Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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