

Product Information

Dynasytan® SILBOND® EG

Tetraethyl orthosilicate 99.80 %

CAS NUMBER

confidential

PRODUCT DESCRIPTION

Dynasytan® SILBOND® EG (electronic grade) is a clear, high-monomer (99.80%), low-water-content ethyl silicate product targeted for use in the electronics industry.

Typical Properties

Property	Unit	Value
Appearance		Clear Liquid
Boiling Point, min.	°C	167
Density (20 °C)	g/cm ³	0.932-0.936
Flash Point, min.	°C	41
Product Purity, min. % wt min.	%	99.80
Viscosity (20 °C)	mPa·s	0.75

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Dynasytan® SILBOND® EG is tetraethyl orthosilicate (TEOS), and is an excellent source of high-purity silica for sol-gel processes, electronics, coatings, and other applications that require high-purity.

Product Composition

Product Composition	Unit	Value
Silicon Dioxide (SiO ₂) Content	wt%	28-28

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- High Purity
- SiO₂ via CVD
- Good barrier layer

HANDLING & PROCESSING

Before considering the use of Dynasytan® products please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use.

The Safety Data Sheet is available on our website <https://silanes.evonik.com/en> or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com.

PACKAGING

Dynasytan® SILBOND® EG could be available in pails, drums, totes and tanker quantities.

Please ask for further details.

SHELF LIFE

In the unopened container Dynasytan® SILBOND® EG has a shelf life of min. 12 months from date of manufacture.

Registration Listings

Registry	Status
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Australia (AIC)	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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Japan (ENCS)	Yes
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South Korea (KECL)	Yes
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Registration Listings

Registry	Status
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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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United States of America (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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