

Product Information

Dynasylan[®] SILBOND[®] LBEG

High-purity, low-boron tetraethyl orthosilicate

CAS NUMBER

78-10-4

PRODUCT DESCRIPTION

Dynasylan[®] SILBOND[®] LBEG (low-boron electronic grade) is a clear, very high-purity (99.86%), low-boron ethyl silicate product targeted for use in the electronics industry.

Typical Properties		
Property	Unit	Value
Appearance		Clear Liquid
Boiling Point, min.	°C	167
Chemical Name		Tetraethylsilicate
Density (20 °C)	g/cm³	0.932-0.936
Flash Point, min.	°C	41
Product Purity, min. wt. min.	%	99.86
Sum Formula		C8H20O4Si
Viscosity (20 °C)	mPa∙s	0.75

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Dynasylan[®] SILBOND[®] LBEG is tetraethyl orthosilicate (TEOS), and is an excellent source of silica for sol-gel processes, spin-on glass, electronics, and other applications that require high purity. This can replace Dynasylan[®] SIL-BOND[®] EG in all applications, especially where low boron levels are required.

Product Composition		
Product Composition	Unit	Value
Boron (B) Content, max.	ррЬ	10
ilicon Dioxide (SiO2) Content	wt%	26-30
Vater Content, max.	ppm	100

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

Dynasylan[®] SILBOND[®] LBEG (low-boron electronic grade) is a clear, very high-purity (99.86%), low-boron ethyl silicate product targeted for use in the electronics industry.

HANDLING & PROCESSING

Before considering the use of Dynasylan[®] 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:// www.evonik.com/en/company/businesslines/se.html or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com.

PACKAGING

Dynasylan[®] SILBOND[®] LBEG product could be available in pails, drums, totes and tanker quantities.

Please ask for further details.

SHELF LIFE

In the unopened container Dynasylan[®] SILBOND[®] LBEG has a shelf life of min. 12 months from date of manufacture.



Registration Listings		
Status		
Yes		
	Yes Yes Yes Yes Yes	

Registration Listings	
Registry	Status
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
Taiwan (TCSI)	Yes
United States of America (TSCA)	Yes

Disclaimer

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