

# Siloxanes

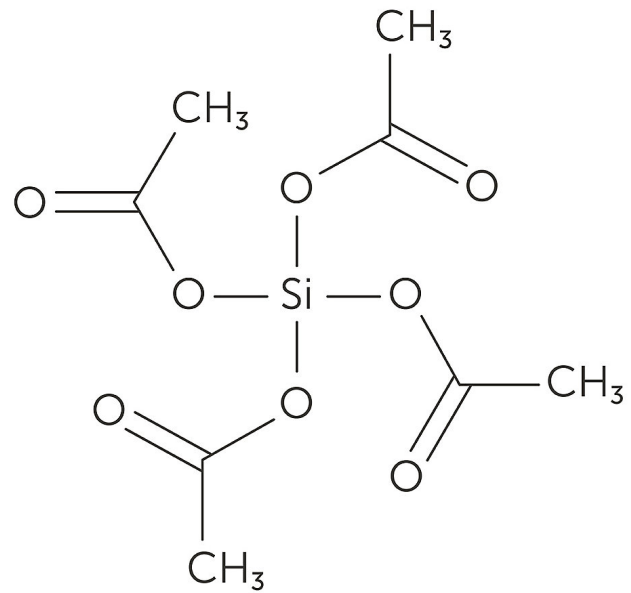
*Offer low thermal conductivity and high flexibility in medical device, industrial, and commercial applications*

As a leader in specialty chemicals and advanced materials for the microelectronics, life sciences, and other high-tech industries, we can accelerate your new product development efforts and manufacturing supply chain by providing critical materials at the appropriate scale, and within the communicated delivery schedule. Because of their hydrophobicity, low thermal conductivity, and high flexibility, our portfolio of siloxanes is used extensively in biomedical device applications and they are desirable as an intermediate or raw material in many industrial applications. They are also used as ingredients in cosmetics and personal care products, water repellent coatings, and plastics, and serve as the chemical building blocks of siloxane oils and silicone-based rubbers.

Our experienced R&D teams provide deep chemistry expertise in an innovative culture to deliver custom synthesis solutions that meet your proprietary development needs. With our extensive manufacturing capabilities, we can handle a range of projects from grams to metric ton quantities, through scale-up and full commercialization. We also provide chemical process development, piloting, and custom chemical manufacturing.

## APPLICATIONS

- Medical implantable devices
- Intraocular lenses in eye care
- Wound care devices and adhesives
- Analytical R&D
- Chemical manufacturing



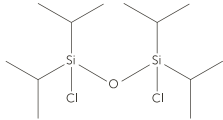
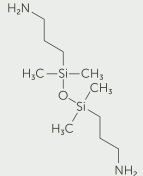
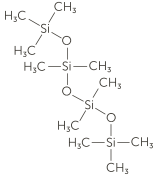
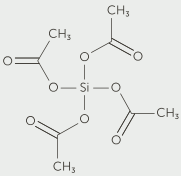
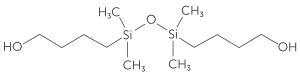
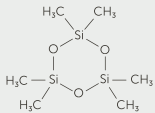
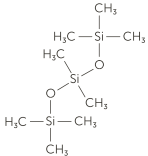
## FEATURES & BENEFITS

<b>Low thermal conductivity and high flexibility</b>	Enable use in a variety of medical, industrial, and commercial applications
<b>Environmentally friendly</b>	Provides versatility in medical, eye, and wound care products, as well as numerous industrial and chemical manufacturing applications
<b>Customer collaboration</b>	Proactive and regular team communication and encouraged site visits enable beneficial idea exchange and enhance on-track progress
<b>Advanced scientific expertise</b>	Technical transfers, R&D, scale-up optimization, and continuous improvement are conducted by PhD chemist-led teams that are supported by world-class quality and analytical resources
<b>ISO 9001 certification</b>	The Entegris quality management system (QMS) certified by the ISO 9001 standard ensures provision of consistent quality products meeting customer regulatory requirements

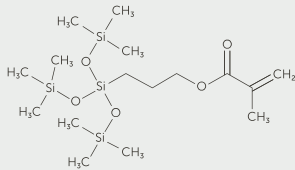
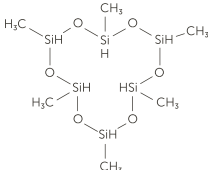
## SPECIFICATIONS

Our products are made to strict specifications and our experienced R&D teams can partner with you to meet your proprietary development needs. With our manufacturing capabilities and resources, we can deliver on communicated timing requirements as well as high-quality customized solutions. [Contact us](#) with your specifications.

## Product Portfolio

Catalog #	CAS #	Product	Structure
DIC0747	69304-37-6	1,3-Dichloro-1,1,3,3-tetraisopropylidisiloxane	
S1032	2469-55-8	1,3-Bis(3-aminopropyl)tetramethyldisiloxane	
S1101	141-62-8	Decamethyltetrasiloxane	
S1250	562-90-3	Silicon tetraacetate	
S1445	5931-17-9	1,3-Bis(4-hydroxybutyl)tetramethyldisiloxane	
S1495-HP	541-05-9	Hexamethylcyclotrisiloxane	
S1515	107-51-7	Octamethyltrisiloxane	

## SPECIFICATIONS

Catalog #	CAS #	Product	Structure
S1713	17096-07-0	3-Methacryloxypropyltris(trimethylsiloxy)silane	 <p>The structure shows a central silicon atom bonded to three methyl groups and a propyl chain. The propyl chain is terminated with a methacrylate group. The silicon atom is also bonded to three oxygen atoms, each of which is part of a trimethylsilyloxy group.</p>
S2304	6166-87-6	2,4,6,8,10,12-Hexamethylcyclohexasiloxane	 <p>The structure shows a six-membered ring of silicon and oxygen atoms. Each silicon atom is bonded to two methyl groups and one hydrogen atom. The oxygen atoms are bonded to two silicon atoms each.</p>
S2616	70877-62-2	PDMS-25 dimethacrylate	

### FOR MORE INFORMATION

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Corporate Headquarters  
129 Concord  
Billerica, MA 01821  
USA

Customer Service  
Tel +1 952 556 4181  
Fax +1 952 556 8022  
Toll Free 800 394 4083

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