# Silazanes

# Provide excellent adhesion and thermal stability

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. Our portfolio of silazanes is tailored to your manufacturing requirements and specifications to meet your high-quality customized needs.

Our silazanes address a wide range of chemical transformations and substrate compatibilities across many industrial applications. Excellent adhesion and thermal stability make them desirable as an intermediate or raw material in analytical R&D, coatings and adhesives, and chemical manufacturing.

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**

- Surface modifiers in coatings and adhesives
- Organic synthesis in chemical manufacturing processes
- Chromatography and analytical R&D

$$CH_3$$
 $H_3C$ 
 $Si$ 
 $NH$ 
 $H_3C$ 
 $|$ 
 $H_3C$ — $Si$ — $CH_3$ 
 $|$ 
 $CH_3$ 

#### **FEATURES & BENEFITS**

Heat and moisture resistance	Improves adhesion, weatherability, and durability	
Customer collaboration	Proactive and regular team communication and encouraged site visits enable beneficial idea exchange and enhance on-track progress	
Advanced scientific expertise	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	
ISO 9001 certifications	The Entegris quality management system (QMS) certified by the ISO 9001 standard ensures provision of consistent quality products meeting customer and 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
BIS2089	27804-64-4	Bis(diethylamino)silane	N SI N
S1179	1009-93-4	2,2,4,4,6,6-Hexamethylcyclotrisilazane	H <sub>3</sub> C CH <sub>3</sub> H <sub>N</sub> C Si NH H <sub>3</sub> C Si CH <sub>3</sub> H <sub>3</sub> C CH <sub>3</sub>
S1180	999-97-3	Hexamethyldisilazane	H <sub>3</sub> C SI CH <sub>3</sub> H <sub>3</sub> C SI CH <sub>3</sub> H <sub>3</sub> C CH <sub>3</sub>
S1292	18156-75-6	1-Trimethylsilylimidazole	CH <sub>3</sub> H <sub>3</sub> C — Si — CH <sub>3</sub>
TRI1956	15112-89-7	Tris(dimethylamino)silane	H <sub>3</sub> C CH <sub>3</sub> H <sub>3</sub> C N CH <sub>3</sub> N-Si-N H <sub>3</sub> C H CH <sub>3</sub>

#### FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit entegris.com and select the Contact Us link to find the customer service center nearest you.

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