# Technical Data Sheet

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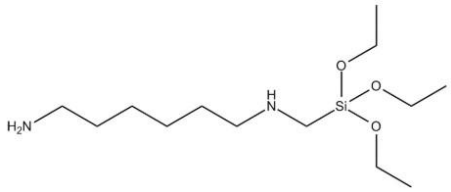
# Silane LS-AH13

**Description:**

Chemical Name: N-(6-Aminohexyl)aminomethyltriethoxysilane
Synonyms: N-[(Triethoxysilyl)methyl]-1,6-hexanediamine
Equivalents:
Molecular Formula: $C_{13}H_{32}N_2O_3Si$ CAS NO.: 15129-36-9
Molecular Weight: 292.49 EINECS NO.: 696-371-7
Chemical Structure:




LS-AH13 is capable of creating a strong and lasting bond between organic and inorganic materials, facilitating the formation of tailored heterogeneous environments or integrating the bulk properties of different phases into a cohesive composite structure. Its general formula consists of two functional groups. The hydrolyzable group forms stable condensation products with siliceous surfaces and various oxides, including those of aluminum, zirconium, tin, titanium, and nickel. Meanwhile, the organofunctional group influences the substrate's wetting or adhesion properties, enables the substrate to catalyze chemical reactions at the heterogeneous interface, structures the interfacial region, or adjusts its partition characteristics, thereby playing a crucial role in the covalent bonding between organic and inorganic materials.

**Typical Technical Properties:**

Appearance: Clear to straw liquid Purity(%): 97
Refractive Index (25°C): 1.4385 Density (25°C, g/cm$^3$): 0.928

**Applications:**

Primary amine and an internal secondary amine coupling agent for UV cure and epoxy systems;
Used in microparticle surface modification.

**Package &Storage:**

In 25kg pail, 200kg drum, 1000kg IBC.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Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep away from acid and alkali. Keep in unopened containers.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.



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