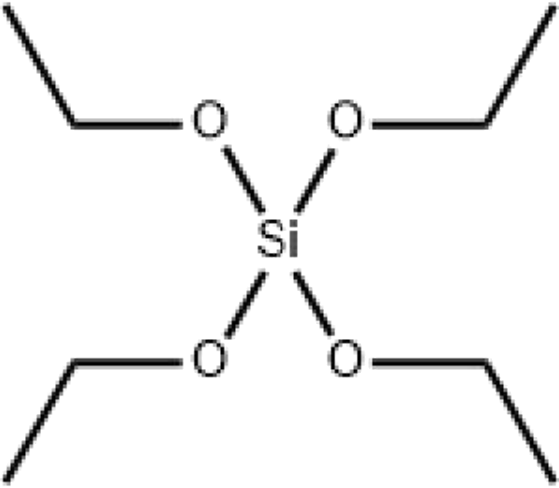


CERTIFICATE OF ANALYSIS

Product Features

	CAS No.	78-10-4
	Product name	Ethyl silicate
	Abbreviation	TEOS
	Appearance	Colorless transparent liquid
	Purity(HPLC)	≥99%
	Molecular formula	C ₈ H ₂₀ O ₄ Si
	Molecular weight	208.33
	Package	In fluoride bottle/fluoride drums/plastic drums/IBC Tank, etc.
	Storage	Preserve in a well-closed container and keep in cool, dry place, avoid light.

Application

- Ethyl silicate is a silicone compound that has the appearance of a colorless liquid with high volatility and low viscosity. Ethyl silicate has many applications. It is commonly used as a reagent in organic synthesis. Ethyl silicate can be used as a catalyst or reaction intermediate to participate in a variety of organic reactions, such as esterification and etherification. Its high reactivity and good solubility can promote the organic synthesis reaction.
- Ethyl silicate is also often used as a precursor for surface coating materials. It can be used in solution to prepare special siloxane polymers, which are then applied to the surface of the material by coating, spraying or impregnating. The silicone coatings thus formed can provide good abrasion and corrosion resistance, as well as improve the waterproofing and weatherability of the coating material.
- In addition, the ethyl silicate can be used to prepare silicate glass or ceramic materials. By adding an appropriate amount of ethyl silicate to the glass or ceramic raw material, after drying and sintering and other processes, the hardness, heat resistance and corrosion resistance of the material can be improved.



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Company Profile

- Heynova (Shanghai) New Material Technology co., Ltd. located in Shanghai is a technologically innovative company with integrated development of R&D, production and sales of high-end Electronic Materials and Specialty Polymer Materials. Meanwhile we are the agent of PI Resin, PI Engineering Plastics and 3D Printing materials.
- **As technology R&D**, the company has maintained close cooperation with a number of domestic research institutes for a long time, focusing on the design of the molecular structure of electronic materials, with a number of invention patents, the core formulations and processes independently controllable, with the ability to customize the development of the materials.
- **As production and supply**, our company has cooperative production bases in Shandong, Jiangsu, Sichuan and Northeast China, which can produce materials from gram to tonnage level, and has all the capabilities of small, medium and large-scale production.

Business Classification

- **Polyimide Materials:** Including PI Monomers, PI Resin, PI Engineering Plastics. PI monomers are mainly Dianhydride and Diamine special monomers, which have been widely used in the production of colorless and transparent Flexible Polyimide Films, Flexible Display Materials, 5G New Materials, Photosensitive Polyimide and Semiconductor Materials, New Energy Automobile Special Insulating Materials, Aerospace Composites, and many other high-tech field products.
- **Photoresist Materials:** Including Photoresist monomer, PAG, PAC, Photoinitiators, Solvents and so on. At present, our company's Photoresist Monomer is mainly based on KrF, ArF Gel monomer, focusing on the provision of Display Photoresist, Semiconductor Photoresist and special Photoresist materials for Semiconductors, Panels, PCB and other fields.
- **OLED Display Materials:** Specialized in providing OLED Display Intermediate materials for cell phones, TVs, flat panels, wearable devices, in-vehicle devices and other fields.
- **Lithium Battery Materials:** Specialized in providing Lithium Battery Diaphragm materials for transportation, electric power storage, mobile communication, new energy storage, aerospace military and other fields.
- **3D Printing Materials:** Specialized in providing 3D Printing Organic Resin materials and high-end Metal materials for aerospace, marine, nuclear industry, medical and other fields.
- **Customized services:** We can customize the development of products according to customer needs, and continuously optimize the material properties and key indicators, developed in collaboration with customers, established the direct channel of "R & D - Validation - Mass production".