Technical Data Sheet

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Cyano Silane LS-CHTS

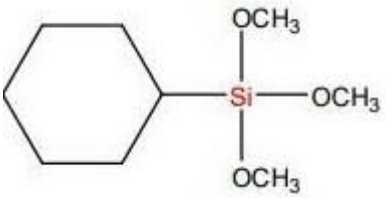
Description:

Chemical Name: Cyclohexyltrimethoxysilane

Molecular Formula: $C_9H_{20}O_3Si$ CAS NO.: 17865-54-2

Molecular Weight: 204.34 EINECS NO.: 605-828-1

Chemical Structure:



It is prone to oxidation and requires nitrogen protection for storage, remaining stable when kept airtight. It reacts and polymerizes upon contact with acids, alkalis, and water, and exhibits a strong reaction when exposed to oxidizing agents. It slowly decomposes and polymerizes into white silicone gel when in contact with water or moisture. It is easily miscible with organic solvents such as aromatic hydrocarbons, aliphatic hydrocarbons, and alcohols.

Typical Technical Properties:

Appearance: Colorless transparent liquid Flash Point: 84°C

Refractive Index (25°C): 1.4270-1.4370 Boiling Point: 217°C

Purity(%): 98% Density(25°C, g/cm^3): 0.9-1.1

Applications:

This product serves as an additive for high-efficiency supported catalysts in propylene polymerization. Within the catalyst system, it acts as an excellent external electron donor, playing a significant role in enhancing catalyst activity, stereospecificity, and extending the active lifespan.

Package &Storage:

In 20kg, 180kg, or 200L iron drums lined with a PVF protective layer, with each drum containing a net weight of 140kg. The drums are filled with nitrogen for protection and are tightly sealed with lids.

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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