Technical Data Sheet



1/2

Silane LS-PHIPS

Description:

Chemical Name: Phenyltriisopropenoxysilane Synonyms: Silane,tris[(1-methylethenyl)oxy]phenyl-; Molecular Formula: C₁₅H₂₀O₃Si Molecular Weight: 276.40 Chemical Structure:

CAS NO.: 52301-18-5 EINECS NO.: 411-340-8

Phenyltris(isopropenyloxy)silane is an organosilane compound characterized by a phenyl group and three isopropenyloxy groups within its molecular structure. This substance demonstrates outstanding reactivity and is capable of establishing strong chemical bonds with a variety of organic and inorganic substrates. It is frequently employed as a coupling agent, crosslinking agent, or surface treatment in applications such as coatings, adhesives, sealants, and composite materials, where it enhances adhesion, chemical durability, and thermal performance. Its distinctive molecular architecture renders it especially useful in high-performance coatings and advanced composites.

Typical Technical Properties:

Appearance: Colorless transparent liquid Purity(%): 95 min Refractive Index (25°C): 1.4950±0.005 Flash Point: 135.2°C Boiling Point: 298.5°C Density(25°C, g/cm³): 1.06

Applications:

Adhesion promoter in coatings, adhesives, and sealants; Surface treatment agent in composite materials; Modifier for high-temperature and chemical-resistant applications;

Package & Storage:

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

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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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