

Technical Data Sheet

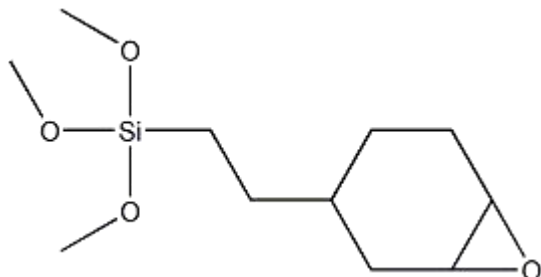
TDS NO.: KH-531

Revision Date: 17/03/2020



2-(3,4-Epoxy cyclohexyl) ethyltrimethoxysilane

Chemical Structure:



Typical Physical Properties

Product No.:	KH-531
Chemical Name:	2-(3,4-Epoxy cyclohexyl) ethyltrimethoxysilane
CAS No.:	3388-04-3
EINECS No.:	222-217-1
Molecular Formula:	C ₁₁ H ₂₂ O ₄ Si
Molecular Weight:	246.38
Appearance:	Colorless transparent liquid
Density(ρ 20, g/cm ³):	1.0650 ± 0.0050
Refractive Index(n _{25D}):	1.4510 ± 0.0050
Purity:	98%

Applications:

KH-531 is an essential ingredient in the products of many industries.

Examples are:

Glass fiber/glass fabric composites: As a finish or a size ingredient.

Foundry resins: As an additive to polyurethane resins.

Sealants and adhesives: As a primer or additive.

Mineral filled composites: For pretreatment of fillers and pigments or as an additive to the polymer.

Paints and coatings: As an additive and as a primer for improving adhesion to the substrate.

Improved shelf life over aminosilanes in polyurethanes.

Improved mechanical properties, such as flexural strength, tensile strength, impact strength and modulus of elasticity.

Improved moisture and corrosion resistance.

Improved electrical properties, for example dielectric constant, volume resistivity.

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Safety

Risk Statements :	45-46-45/46
Safety Statements :	53-23-36/37/39-45
RTECS No.:	VV4000000
WGK Germany:	3
TSCA:	YES
HS Code:	29319090

Packaging

210L Iron Drum: 200kg/drum
1000L IBC Container: 1000kg/container