

Technical Data Sheet

CFS-043, 2-(3,4-Epoxy cyclohexyl)ethyltrimethoxysilane

CFS-043, 2-(3,4-Epoxy cyclohexyl)ethyltrimethoxysilane is an epoxy functional silane, which is mainly used as an adhesion promoter in coatings and sealants. It is the equivalent of Momentive Silquest A-186 or ShinEtsu KBM-303.

Typical Properties:

Chemical Name	2-(3,4-Epoxy cyclohexyl)ethyltrimethoxysilane
Cas No	3388-04-3
Formula	C ₁₁ H ₂₂ O ₄ Si
Color	Colorless
Appearance	Clear liquid
Purity	min 96%

Applications:

CFS-043 can be used as an adhesion promoter or primer in coating and sealants industries. Its epoxy functionality offers non-yellowing adhesion in various resin systems.

CFS-043 can be used as a crosslinker and an adhesion promoter in waterborne applications including acrylic and polyurethane coatings.

CFS-043 can be used to enhance adhesion and improve electricity properties of EMC (epoxy molding compound), electronic encapsulation and packaging materials.

CFS-043 can act as a surface modifier and improve the bonding performance between organic resin and inorganic substrates. Suitable resins are epoxy, polyurethane, acrylic, polysulfide.

CFS-043 can improve mechanical and electrical properties of various epoxy composites.

Packaging:

CFS-043 is offered in 25L PE pails, 200L PVF steel drums and 1000L IBC totes.

Please contact Co-Formula team for any special packaging request.

Storage:

CFS-043 should be stored in a cool, well-ventilated place, and avoid exposure to humidity.

CFS-043 should be stored in its original containers and used up asap after opening.

When stored in a strictly sealed and unopened container, CFS-043 has a shelf life of 12 months.