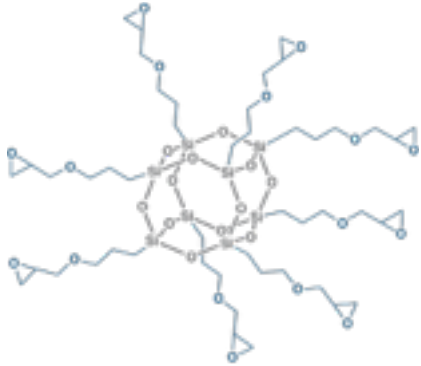


Glycidyl POSS

INCI NAME: Glycidoxypropylsilsesquioxane

FEATURES

Clear, pale yellow, liquid highly compatible with cosmetic ingredients.



APPLICATIONS

Compatibilizer, rheological diluent, carrier, adhesion promoter and gloss enhancer.

TYPICAL PROPERTIES

Appearance	Clear, pale yellow, oil-liquid
Viscosity (@25°C)	48 Poise
Density	1.25
Refractive Index	1.51
Formula Weight	1337.88
EEW	167
Resin Solubility	epoxy, urethane, acrylic, olefin

REGULATORY STATUS

INCI, REACH pending, TSCA, CAS 68611-45-0
Not a primary dermal irritant.

HANDLING PRECAUTIONS

Product safety information required for safe use is not included in this document. Before handling, read product and material safety data sheets and container labels for safe use, physical health and hazard information. For material safety data information, contact Hybrid Plastics.



BENEFITS

EP0409 is an excellent compatibilizer, rheological diluent and carrier. It has a robust resistance to environmental degradation such as moisture, oxidation and UV radiation. Additionally, it is outstanding at dispersing particles, key ingredients and effects.

DESCRIPTION

EP049 is a hybrid molecule with an inorganic silsesquioxane at the core and organic glycidyl groups attached at the corners of the cage. It serves as a highly stable reactive diluent in both epoxy, urethane, acrylic resins. It shows high adhesion to collagen and keratin with very low migration.

COMPATIBILITY

Water	Not Soluble
Alcohols	
Ethanol (95%)	Stable
Ethanol (70%)	Soluble
iPropanol (99%)	Stable
iPropanol (70%)	Soluble
Solvents & Propellants	
Hexane (aliphatics)	Not Soluble
PMGEA	Soluble
Cosmetic Materials	
Beeswax	Stable
Mineral Oil	Not Soluble
Petrolatum	Stable
1,2 Propylene diol	Stable
Glycerin	Not Soluble
DC556 (PhSi(OSiMe ₃) ₃)	Not Soluble
Fluoralkyls	Not Soluble
Shea Butter	Not Soluble
Cocoa Butter	Not Soluble
Hydroxy Methylcellulose	Stable
Lanolin	Soluble
Paraffin Wax	Stable
Caprylyl Glycol (1,2 Octanediol)	Not Soluble
Cetearyl Alcohol (C18OH)	Soluble
Veggie Oil	Stable



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