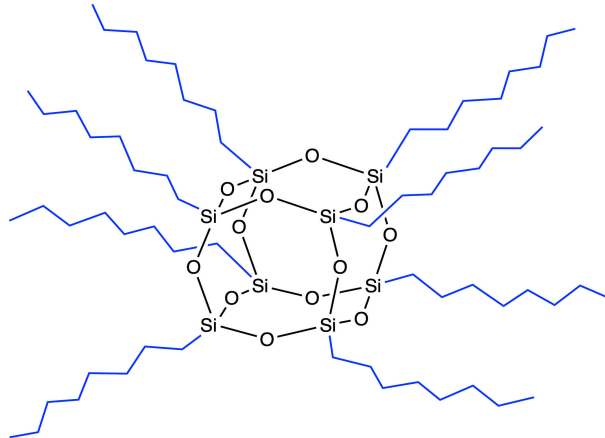


n-Octyl POSS[®]

FEATURES

Clear, colorless. Alcohol, silicone, and oil compatible.
UVC/B sorption and color/ effects dispersion.



APPLICATIONS

Color and effect dispersion, lubrication, and plasticizer in coatings. Non-migrating.

TYPICAL PROPERTIES

Appearance	Colorless to pale-yellow liquid
Viscosity (@25°C)	200-250 Pa s
Chemical Formula	C ₆₄ H ₁₃₆ O ₁₂ Si ₈
Refractive Index	1.456 @20.9 °C
Formula Weight	1322.46
Resin Solubility	silicones and aliphatic resins

REGULATORY STATUS

CAS, INCI, TSCA, REACH pending.
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.



SUGGESTED FORMULATION

MS0810 can be utilized & mixed readily with nearly all oils & waxes. It can also greatly reduce viscosity and enhance longevity. MS0810 readily wets pigments which can enhance a coating's gloss and dispersion. MS0810 is formulated to maintain dispersion in highly concentrated pigments when pigment levels are sufficiently wetted. In most cases, milling is not necessary.



DESCRIPTION

MS0810 is a hybrid molecule with an inorganic silsesquioxane at the core and organic *n*-Octyl groups attached at the corners of the cage. MS0810 is a colorless to pale-yellow liquid. It is very stable at high loadings and extremely useful for plasticization and lubrication.

COMPATIBILITY

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

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