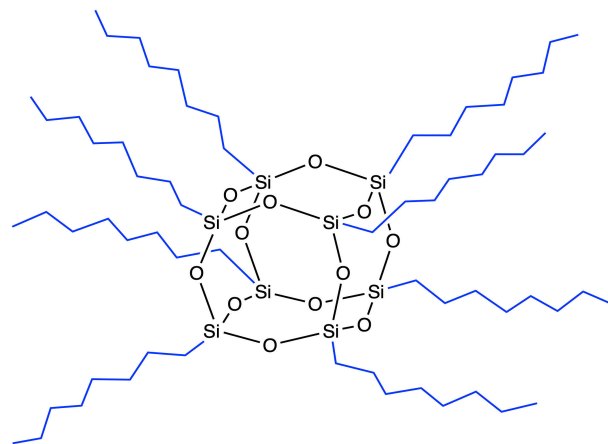


# *n*-Octyl POSS<sup>®</sup>

## FEATURES

Hazy to clear, colorless to pale yellow. Silicone and polyolefin compatible.



## APPLICATIONS

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

## TYPICAL PROPERTIES

Appearance	Colorless to pale yellow liquid
Viscosity @25°C	0.15 - 0.25 Pa-s
Chemical Formula	C <sub>64</sub> H <sub>136</sub> O <sub>12</sub> Si <sub>8</sub>
Refractive Index	1.456 @20.9 °C
Formula Weight	1322.46
Resin Solubility-Miscible in:	Silicones, acrylic, & aliphatic resins Epoxy, urethanes, & aromatics

## 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.*



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## 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.



## 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 very stable and does not aggregate. This additive extremely useful for plasticization and lubrication, modulus build in silicones and melt strength enhancement in polyolefins.

## COMPATIBILITY

Water	Not Soluble
<b>Alcohols</b>	
Ethanol (95%)	Miscible
Ethanol (70%)	Miscible
iPropanol (99%)	Miscible
iPropanol (70%)	Miscible
<b>Solvents &amp; Propellants</b>	
Hexane (aliphatics)	Soluble
PMGEA	Miscible
<b>Cosmetic Materials</b>	
Beeswax	Soluble
Mineral Oil	Soluble
Petrolatum	Soluble
Propylene diol	Stable
Glycerin	Soluble
DC556 (PhSi(OSiMe <sub>3</sub> ) <sub>3</sub> )	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