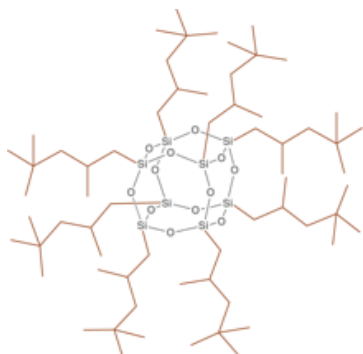


Isooctyl POSS®

INCI NAME: Trimethylpentyl Polysilsesquioxane

FEATURES

Clear, colorless. Alcohol, silicone and oil compatible.
Outstanding UVB sorption and color/effects dispersion.



APPLICATIONS

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

BENEFITS

Rheological diluent and lubricious hydrophobe.
Low migration and high skin adhesion.
Outstanding gloss enhancement.

TYPICAL PROPERTIES

Appearance	Colorless to pale-yellow liquid
Viscosity (@25°C)	19 poise
Density	1.01 g/mL
Refractive Index	1.45
Formula Weight	1322.46
Resin Solubility	silicones and aliphatic resins

REGULATORY STATUS

INCI, TSCA, REACH pending, CAS 217654-68-7.
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

MS0805 can be utilized with nearly all oils and waxes and will mix readily. It will serve to reduce viscosity and will enhance long wear. MS0805 also wets lake pigments and can be utilized to enhance their gloss and dispersion. It is suggested to add sufficient MS0805 to wet the pigment. It will then serve to keep the pigment dispersed and in high concentration in organic oils. MS0805 also greatly enhances gloss. In most cases, milling is not necessary.

The use of MS0805 in combination with MQ resin eliminates the shrinkage (itchy, tight feel) on skin and enhances gloss while retaining transfer resistance. This achieves more comfort and gloss at the lipstick-air interface.

The suggested formulation is 2.5 parts MQ, 2.5 parts trimethicone and 0.5 parts MS0805. However, higher loadings of MS0805 further improve comfort and feel.

DESCRIPTION

MS0805 is a hybrid molecule with an inorganic silsesquioxane at the core and organic isooctyl groups attached at the corners of the cage.

COMPATIBILITY

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

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