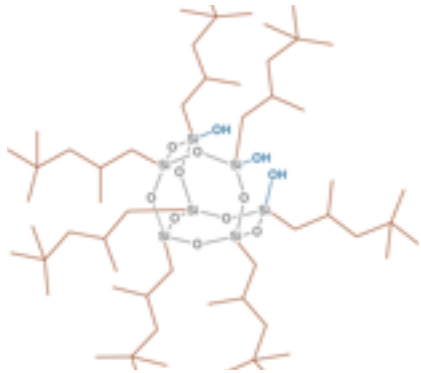


TriSilanollsooctyl POSS

INCI NAME: Trimethylpentyl Polysilsesquioxane

FEATURES

Clear, colorless. Alcohol emulsification.
Oil compatible.



APPLICATIONS

Lubrication and plasticization, carrier for ingredients in lotions gels, coatings. Non-migrating.

TYPICAL PROPERTIES

Appearance	Clear, pale yellow viscous liquid
Viscosity (@35°C)	275 poise
Density	0.97 g/ml
Refractive Index	1.45
Formula Weight	1184.16
Resin Solubility	aliphatic and aromatic monomers, oligomers, PP, PE, PA, cellulotics, silicones

REGULATORY STATUS

INCI, REACH pending, CAS 444619-08-3
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

Rheological diluent lubricious hydrophobe. Nonmigrating. Skin adhesion, hemostatic and antimicrobial and outstanding gloss enhancement.

DESCRIPTION

SO1455 is a hybrid molecule with an inorganic silsesquioxane at the core and organic isooctyl groups attached at the corners of the cage and three active silanol functionalities. It has shown effectiveness toward skin adhesion.

COMPATIBILITY

Water	Not Soluble
Alcohols	
Ethanol (95%)	Soluble
Ethanol (70%)	Stable
iPropanol (99%)	Soluble
iPropanol (70%)	Stable
Solvents & Propellants	
Hexane (aliphatics)	Soluble
PMGEA	Soluble
Cosmetic Materials	
Beeswax	Soluble
Mineral Oil	Soluble
Petrolatum	Soluble
1,2 Propylene diol	Stable
Glycerin	Not 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 (C18OH)	Soluble
Veggie Oil	Soluble

