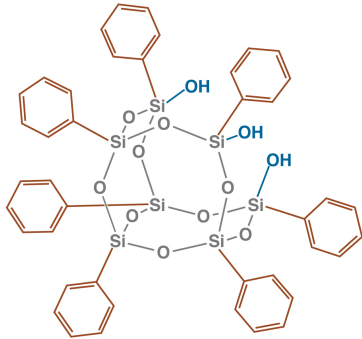


TrisilanolPhenyl POSS

INCI NAME: Polyphenylsilsesquioxane

FEATURES

White solid powder. Alcohol and PEG emulsification.



APPLICATIONS

Provides high reflective index. Carrier for ingredients in coatings.

TYPICAL PROPERTIES

Appearance	White powder
Thermal Stability (5% wt. loss)	366 °C
Density	1.42 g/ml
Refractive Index	1.65
Formula Weight	931.34
Resin Solubility	aliphatic and aromatic resins, oligomers, polymers (PP, PE, PA, PC, PET)

REGULATORY STATUS

INCI, TSCA, CAS 444315-26-8.
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, non-migrating skin adhesion, robust carrier and dispersant of ingredients.

DESCRIPTION

SO1458 is a hybrid molecule with an inorganic silsesquioxane at the core and organic phenyl groups attached at the corners of the cage and three active silanol functionalities.

COMPATIBILITY

Water	Not soluble
Emulsified	Not soluble
Alcohols	
Ethanol (95%)	Soluble
Ethanol (70%)	Soluble
iPropanol (99%)	Soluble
iPropanol (70%)	Soluble
Solvents & Propellants	
Hexane (aliphatics)	Not soluble
Cosmetic Materials	
Beeswax	Not soluble
Mineral Oil	Not soluble
Petrolatum	Not soluble
1,2 Propylene diol	Not soluble
Glycerin	Not soluble
DC556 (PhSi(OSiMe ₃) ₃)	Not soluble
Shea Butter	Not soluble
Hydroxy Methylcellulose	Not soluble
Lanolin	Not soluble
Paraffin Wax	Not soluble
Hexylene Glycol	Not soluble
Isododecane	Not soluble

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