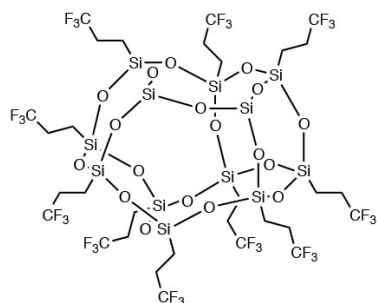


Trifluoropropyl POSS®

FEATURES

White solid, organic soluble similar to PTFE.



APPLICATIONS

For creation of ultra-smooth, low surface energy feel in lotions and color cosmetics.

TYPICAL PROPERTIES

Appearance	White powder
Formula Weight	1193.16
Solvent Solubility	THF
Solvent Insolubility	acetonitrile
Resin Solubility	thermoplastics, fluorinated thermoplastics

REGULATORY STATUS

CAS 851814-19-2.

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.



BENEFITS

FL0578 increases the porosity of coatings. It provides silky, low COF feel and can be solubilized for optical clarity.

When mixed with Eutanol® G (60% Eutanol® G to 40% FL0578), it leaves skin very smooth and moisturized. As with lotion, it goes on white and becomes clear after spreading. This mixture provides a good base for cream to powder foundations. It also provides UVB sorption.

DESCRIPTION

FL0578 is a hybrid inorganic silsesquioxane at the core with organic trifluoropropyl groups attached at the corners of the cage.

COMPATIBILITY

Water	Not soluble
Emulsified	Not soluble
Cosmetic Materials	
Glycerin	Insoluble
Silicone Oligomers	Dispersable
Trimethicone	Dispersable
DC 556 [PhSi(OSiMe ₃) ₃]	Dispersable
Silicone 200 Fluid (@200cps)	Dispersable
Hexylene Glycol	Dispersable
Isododecane	Insoluble
Butylene glycol	Dispersable
DMS 521 Silanol term PDMS	Dispersable
1, 3 Propane diol	Insoluble
Squalene	Dispersable

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