MAKINGCOSMETICS

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Silicone Resin

Specification Sheet

Description: Unique combination of silicone resins especially developed to provide excellent transfer and wash-off resistance combined with a flexible film for long-lasting, long-wearing, smudge-proof cosmetic products. White to off-white flakes, little odor. Water insoluble.

CAS: 56275-01-5, 115341-02-1

INCI Name: Trimethylsiloxysilicate, polypropyl silsesquioxane

Benefits:

- Excellent film former for long-lasting, rub-off resistant and long-wearing permeable films
- Improves color intensity and shine
- Enhances the SPF wash-off resistance in sunscreens
- Provides non-tacky, silky feel when dried

Use: Typical use level 1-50%. Add the resin slowly at room temperature or heat to 70°C (158°F), but under agitation to avoid larger resin aggregates. Compatible solvents are: Isopropyl myristate, triglyceride, cyclomethicone, C12-15 alkyl benzoate, isododecane, isohexadecane. In Isododecane silicone resin dissolves the quickest (<20 min), in cyclomethicone about 20-30min. Compatible also with sunscreen oil like OM-Cinnamate. Also firmness of a lipstick can be improved by adding Silicone Resin without impacting negatively the pay out and reducing the tendency to break from the mold. For external use only.

Applications: Sunscreens, makeup, foundation, lipsticks, color cosmetics that need wash-off & rub-off resistance.

Country of Origin: USA

Raw material source: Silica, trimethylsilane, phenyltrichlorosilane, potassium hydroxide

Manufacture: Trimethylsiloxysilicate is produced by reacting silica with trimethylsilane. Polypropyl silsesquioxane is synthesized by hydrolysis of phenyltrichlorosilane which is then reacted with potassium hydroxide to give the final polymer.

Animal Testing: Not animal tested

GMO: GMO-free (does not contain plant-derived components)

Vegan: Does not contains animal-derived components