

SilDerm® Diffusing



aesthetic modification + luxurious
 blur imperfections + pigment dispersion
 appearance of wrinkles + reduce the
 ideal for
 a natural glow + sensorially divine
 color cosmetics

BACKGROUND

Our sense of sight and touch are both very primal, yet quite discerning. Little interpretation is required to understand what is perceived when using these senses. As a result, we can easily see if our skin looks or feels rough, dry, oily, or uneven. Although our sense of touch is most likely the reason we use silicones in cosmetics, the visual effect silicones have on our skin is also extremely noticeable. When consumers apply cosmetics, there is a desire for them effortlessly glide along the skin and yield beauty enhancing results. The sensorial experience of applying cosmetics and personal care products is what makes consumers return to certain products.

SCIENCE

In order to achieve the textural properties that are needed in a product, additives may be mixed with the material. SilDerm® Diffusing will help to disperse particles that may be found in the application as well as give it a smooth, silky feel which will help to increase the sensory experience. Polymethylsilsesquioxane is a fine particle silicone resin that has a limited particle size distribution. These features help to improve the lubricity, water repellency, anti-caking, slip, and overall feel of the formula. This product may also be used to even out skin tone, for a better overall appearance of the skin. Adding silica into the mixture also allows for a smooth overall finish. Silica is a very common additive to cosmetic formulations due to its low molecular weight. This property makes it more readily absorbed into the skin.

BENEFITS

Another application that SilDerm® Diffusing offers is that it diffuses light. This property will give the skin a natural glow to prevent skin from looking dull and listless. This shine will help to add to the aesthetic properties of the formulation. SilDerm® Diffusing is the perfect product to provide the finishing touch to formulations to add that extra sensory experience that is growing more popular as well as a touch of shine to brighten up the skin.

Code Number: 30335

INCI Name: Polymethylsilsesquioxane & Silica

INCI Status: Conforms

REACH Status: Compliant

CAS Number: 68554-70-1 & 60676-86-0

EINCS Number: N/A & 262-373-0

Origin: Synthetic

Processing:

GMO Free

No Ethoxylation

No Irradiation

No Sulphonation

Additives:

Preservatives: None

Antioxidants: None

Other additives: None

Solvents Used: None

Appearance: Off-White Powder

Soluble/ Miscible: Silicone

Ecological Information:

Biodegradable

Microbial Count:

<100 opg, No Pathogens

Suggested Use Levels: 2.0 - 30.0%

Suggested Applications:

Pigment Dispersion, Aesthetic Modification, Light Diffusion, Blurring

Benefits of SilDerm® Diffusing:

- Light Diffuser
- Reduces Appearance of Wrinkles
- Brightens and Evens Complexion
- Pigment Dispersion
- Ideal for Blurring Color Cosmetics