



NATURA-TEC PLANTSIL™

PROPERTIES

PLANTSIL, is a unique sensorial agent that can be used as a vegetable based alternative to silicone. It mimics the feel of silicones via vegetable based materials

PLANTSIL is a highly stable transparent fluid oil, with low odor. It is soft, light and leaves an elegant dry after feel on the skin

PLANTSIL has a sensorial profile close to silicones. It provides a silky touch and smoothness to the skin without oily residue

With its excellent cutaneous penetration **PLANTSIL** reproduces the volatile feeling of cyclomethicone.

In haircare products, **PLANTSIL** can be used as a conditioning agent to replace silicones. Lab tests confirm the compatibility with common surfactants and co-surfactants.

A cosmetic emollient of universal use, **NATURA-TEC PLANTSIL** restores suppleness and elasticity to skin and hair.

When applied on the skin, the initial sensation is very light and non greasy with a surprising feeling of volatility: like a caress on the skin.

Rapidly absorbed, **NATURA-TEC PLANTSIL** leaves a unique soft sensation and powdery finish. Its long lasting silky feel creates a satin effect in skin and hair care applications.

In a base shampoo, internal studies confirm that **PLANTSIL**'s behaviour and effect on hair is similar to silicone

NATURA-TEC PLANTSIL has shown to help improve performance when used in make-up remover formulations during in-vivo tests providing the ideal all-natural solution to skin cleansing and protection.

COSMETIC APPLICATIONS

Skin care (2 – 80%): Moisturising creams, anti-aging creams, cosmetic lines for oily skin, face oils and serums

Sun care (2 – 80%): Emulsions and sun oils

Men's range (2 – 80%): After shave balms, moisturising creams, shaving oils

Make up (2 – 20%): Lipsticks, foundation

Baby care (2 – 80%): moisturising creams/ lotions, body and hair oils

Shampoo (0,5 – 2%)

TECHNICAL DATA

Appearance: Transparent liquid

INCI Hydrogenated Ethylhexyl Oliviate (and)
Hydrogenated Olive Oil Unsaponifiables



NATURA-TEC PLANTSIL™ Xcite 100
NATURA-TEC PLANTSIL™ Xcite 350

PROPERTIES

Combining silicone-like sensory profiles with verified eco-friendliness is one of the challenges of these years.

Modern cosmetic products must offer effectiveness and sensory qualities but also environmental safety and comply with eco-awareness.

NATURA-TEC PLANTSIL™ Xcite 100 and **NATURA-TEC PLANTSIL™ Xcite 350** are natural alternatives to low and medium viscosity dimethicones which are non-volatile silicones. They feature medium to high spreadability to create a non-sticky moisture barrier to use in elegant skin protective formulas or in haircare applications to avoid long-term build up.

NATURA-TEC PLANTSIL™ Xcite 100 and **NATURA-TEC PLANTSIL™ Xcite 350** are both transparent liquids with low odor. Easy to incorporate in modern formulations, they improve texture and sensorial profile of finished products.

NATURA-TEC PLANTSIL™ Xcite 100 and **PLANTSIL™ Xcite 350** are vegetable-based alternatives to silicones, cosmos approved, palm free and vegan compliant, developed to replace the most used family of silicones in our cosmetic products, ie dimethicones.

NATURA-TEC PLANTSIL™ Xcite 100 is characterized by a low viscosity (≤ 100 cst)

In formulation, it has good spreading and generates a delicate, protective and very light film on the skin without any residual greasy feeling. It is ideal for high spread textures that offer a silky touch.

NATURA-TEC PLANTSIL™ Xcite 350 is characterized by a medium viscosity (≤ 350 cst)

This alternative brings a unique feeling of richness and velvety touch. It brings smoothness to the texture with a longer penetration time. It is the best choice for premium formulations as well as for hair care seeking to avoid the feeling of heaviness and accumulation of traditional silicones.

COSMETIC APPLICATIONS

Skin care (2 – 10%): Moisturising creams, anti-aging creams, cosmetic lines for oily skin, face oils and serums

Sun care (2 – 80%): Sunscreens, sun oils, after sun

Men's range (2 – 10%): After shave balms, moisturising creams, shaving oils

Make up (2 – 50%): Lipsticks, foundation

Baby care (2 – 80%): Moisturising creams/ lotions, body oils

Haircare (0,5 – 2%): Shampoos, conditioners

TECHNICAL DATA

Appearance: Transparent liquid

INCI Hydrogenated Ethylhexyl Olivatate (and) Ricinus Communis Seed Oil (and) Phytosterols



NATURA-TEC PLANTSIL™ XLITE Ultralight Silicone Alternative

PROPERTIES

Combining silicone-like sensory profiles with verified eco-friendliness is one of the challenges of these years.

Consumers are increasingly turning to more natural formulas. To meet these expectations, more and more innovative, high-performance, and natural ingredients are being developed that reproduce the properties of synthetic ingredients while being respectful of our environment.

COSMOS approved, **Natura-Tec Plantsil XLite** is the lightest plant-based, alternative to silicone in the range. It is characterized by a very low viscosity and very fast absorption. Ultra light, it can thus be offered as an alternative to cyclomethicones.

Composed of renewable, easily biodegradable ingredients, it does not bioaccumulate.

Of biosourced origin, this product is very well tolerated on the skin and hair.

Natura-Tec Plantsil XLite is a transparent fluid oil of high stability characterized by an ultra-light and fast absorption texture. It shows superior softness, spreads easily and has no sticky or greasy residual effect. This is a low viscosity emollient ($\leq 10\text{mPa.s}$) with very good compatibility with other natural agent and easy to use in emulsion systems.

Natura-Tec Plantsil XLite helps formulate sustainable and innovative cosmetics. It shows that it is possible to replace synthetic raw materials with environmentally friendly ingredients without compromising product performance while reducing the greasy side of formulas. In emulsion, sensory profiles comparable to those generated by cyclomethicone D5 are obtained.

In skincare, it helps to formulate light and smooth texture with good spreadability.

In make-up, it helps to wet pigments very well to keep pigments evenly dispersed and thus increase the color intensity.

This is also an excellent conditioner for the hair, it improves its appearance leaving the hair manageable, soft and supple, especially for fine hair.

COSMETIC APPLICATIONS

Skincare, suncare (2 – 50%): Moisturising creams, anti-aging creams, cosmetic lines for oily skin, face oils and serums

Men's range (2 – 50%): After shave balms, moisturising creams, shaving oils

Make up (0,5 – 20%): Lipsticks, foundation

Haircare (0,5 – 5%): Shampoos, conditioners

TECHNICAL DATA

Appearance:	Transparent liquid
INCI:	Isoamyl Laurate (and) Hydrogenated Ethylhexyl Olivat