



Today we must draw the alarm bell as regard environmental issues in the context of increased agricultural production and development of cropping techniques (e.g.: mechanization, genetically modified seeds or varieties, inputs such as fertilizers, pesticides, etc.). Intensive productions lead to dramatic reductions in the numbers of certain vegetable and animal species.

Pollination is a basic process for the survival and evolution of more than 80% of the vegetable species in the world. Bees are the main player in this process and need to be protected. They are an essential part of our biodiversity.

NATURA-TEC is in favour of sustainable and controlled innovation, respectful of public health and the planet. We therefore developed an alternative to animal derived **BEESWAX** that mimics its behaviour in cosmetic formulations.

NATURA-TEC VEGETABLE BEESWAX is a renewable and sustainable 100% vegetable wax elaborated to forge and influence positive environmental consciousness in line with **VEGAN** principles.

NATURA-TEC VEGETABLE BEESWAX

PROPERTIES

NATURA-TEC VEGETABLE BEESWAX is an excellent consistency agent with plastic and kneadable properties at body temperature that nourishes, moisturizes and softens the skin. Due to its high compatibility, it is very easy to use in all type of cosmetic formulations.

Comparative studies with the animal derived grade :

- same properties when used up to 10% in emulsion system in terms of viscosity, pH, sensoriality and stability.
- same properties in term of cracking index and sensorial profile when use in combination with other waxes in a lipstick formulation.
- demonstrate a very important oil binding capacity and structure improvement when used alone in a lipbalm formulation at 25%.

NATURA-TEC VEGETABLE BEESWAX is the preferred ingredient to replace animal derived **BEESWAX**.

COSMETIC APPLICATIONS

Decorative (1 to 12%)...Lipstick, eyeliner, mascara, cosmetic pencil, lipbalm
Skincare (0,5 – 5%).....Emulsion W in O, O in W
Natural depilatory waxes (0,5 – 5%)
Hair care (0,5 – 6%)... .Conditioner, styling wax, hair masks
Candles, soaps.

TECHNICAL DATA

| | |
|---------------|---|
| Appearance: | Ivory to pale yellow pellets |
| Melting point | 55 – 65 °C |
| INCI | Stearyl Stearate (and) Rhus Verniciflua Peel Cera (and) Copernicia Cerifera Cera |

SPECIFICATION SHEET

NATURA-TEC VEGETABLE BEESWAX

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|----------|---|
| INCI EU: | Stearyl Stearate (and) Rhus Verniciflua Peel Cera (and) Copernicia Cerifera Cera |
| INCI US: | Stearyl Stearate (and) Rhus Verniciflua Peel Wax (and) Copernicia Cerifera (Carnauba) Wax |
| CAS: | 97404-33-6 + / + 8015-86-9 |
| EINECS: | 306-797-4 + / + 232-399-4 |

| | Specification | Method |
|-------------------------------|----------------------|----------|
| Appearance | Pellets | Visual |
| Color | Ivory to pale yellow | Visual |
| Dropping point, °C | 55,0-65,0 | Ph. Eur. |
| Acid value, mgKOH/g | 20,00 max. | Ph. Eur. |
| Saponification value, mgKOH/g | 120,0 – 160,0 | Ph. Eur. |

| | |
|------------|---|
| Packaging | Sac 25 kg net |
| Storage | Store in original unopened containers in a cool dry place |
| Shelf life | 24 months in original unopened containers |
| Safety | Refer to SDS. Not considered hazardous |

Warranty. This information herein is based upon tests and is offered as a guide and is believed to be accurate and reliable. The company cannot accept any responsibility for any injury, loss or damage, direct, incidental or consequential or for any infringement of patent rights arising out of the use of any products, due to the variations of processing or working conditions or of workmanship outside its control. Users must confirm the suitability of these products for their intended use with their own tests.