

# GreenWax™ N MB

## For a Wide Range of Viscosities



INCI: Polyglyceryl-3 Stearate, Cetearyl Alcohol, Glyceryl Caprylate

### Product Description

GreenWax™ N MB is a 100% plant-based, non-ionic, high-performance O/W emulsifying wax. As a flexible system, it empowers formulation chemists to meet the unique demands of their product line effectively. This exceptional wax enables the creation of finished products with a diverse range of textures, ranging from low viscosity sprayable emulsion systems to luxurious balm-like formulations. Additionally, it stands out as an ideal PEG-free alternative to Emulsifying Wax NF.



### Key Attributes:

- 100% Biobased
- Non-GMO
- Gluten-free
- PEG-free
- Supports Preservation efficacy
- Cost-conscious emulsifier option
- Minimal amount of soaping compared to other natural emulsifiers



### Product Function

The function of GreenWax™ N MB extends beyond being a mere emulsifying agent. This multipurpose and powerful emulsifying blend offers a plethora of benefits for formulating natural products that are entirely free of synthetic materials. From light lotions to heavier creams and nourishing balms, this blend allows you to achieve exceptional results while using the minimum amount of ingredients. Notably, it facilitates the seamless incorporation of high levels of oil, making it an ideal choice for creating top-notch skin care and baby care products.

### Applications

**Sprayable Emulsions** - GreenWax™ N is able to create low viscosity sprayable products.

**Light Lotions** - Increase the amount of the emulsifier to get a nice, lightweight lotion.

**Viscous Creams** - At an even higher percentage of the formulation, this can create a heavier cream/balm.

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## WHAT IT'S IDEAL FOR

GreenWax™ N MB is ideal for:



Sprayable emulsions



Light Lotions



Rich Creams



Heavy Balms

## PRODUCT DETAILS

### PROPERTIES:

ANALYSIS	SPECIFICATION	TEST METHOD
Appearance	White to off white pellets	Visual
Odor	Characteristic mild, wax-like	Organoleptic
Acid Value (mg KOH/g)	0.0-20.0	USP 401
Melting Point (°C)	50.0-60.0	ASTM D127
Saponification (mg KOH/g)	60.0-100.0	USP 401

### RECOMMENDATION:

USE LEVEL: Up to 10.0%

pH RANGE: 4.0-7.0

#### PROCEDURE:

Add GreenWax™ N MB to oil phase. Heat oil phase to 70-75°C. Heat water phase to 70-75°C. Incorporate oil phase into water phase while mixing. Homogenize for 3-5 mins while maintaining at 70-75°C.

**SHELF LIFE:** 24 months

**PACKAGING:** 18 kg pail or 180 kg drum