

## Product Description

Imbue™ SF MB is a cold-process emulsion concentrate ingredient that serves as a delivery system for safflower oil into aqueous formulations. This allows formulators to create advanced cosmetic products of superior quality and stability. It is a simple, cold process way to yield an entire product line in a way that does not utilize a lot of energy. Imbue™ SF MB delivers safflower oil rich in linoleic and oleic acid and is designed for both face and body formulations, due to its contributions to skin. Safflower oil hydrates and soothes dry and irritated skin and enhances skin's texture and appearance. Imbue™ SF MB can effortlessly incorporate safflower oil into your formulation to elevate your final cosmetic creation.

### Key Attributes:

- 100% Biobased
- Cold-process
- Achieve a wide range of viscosity
- Excellent skin compatibility
- Ideal for all product categories



## Product Function

Imbue™ is a novel emulsion concentrate, designed to offer a wide range of possibilities in cosmetic formulations. With a high internal phase, this ingredient enables the creation of sprayable systems, luxurious lotions, wet wipe solutions, and more, requiring only minimal additional ingredients. Imbue™ can craft moisturizing cleansers, refreshing toners, revitalizing serums, and nourishing lotions/creams all with exceptional ease. Additionally, Imbue™ serves as a valuable tool for stabilizing emulsions during scale-up, eliminating the need for complete re-formulation and can also function as a 1:1 solubilizer for fragrances and essential oils.

## Applications

**Gentle Cleansers** - Hydrates/Moisturizes skin after gently removing dirt, oil, and dead skin.

**Moisturizers** - Safflower oil allows quick absorption into skin without greasy consistency.

**Makeup Removing Wipes** - Adds a boost of hydration to face after removing makeup for the day.

# IMBUE™ SF MB

## EMULSION CONCENTRATE



INCI: Water, Carthamus Tinctorius (Safflower) Seed Oil, Glycerin, Polyglyceryl-6 Stearate, Glyceryl Caprylate, Xanthan Gum, Rosmarinus Officinalis (Rosemary) Leaf Extract

## WHAT IT'S IDEAL FOR

Imbue SF™ MB is ideal for:



Sprayable Milks



Wet Wipe Solutions



Light Lotions



Rich Creams

### Formulation Tips

- Can function as a 1:1 solubilizer, depending on oil used.
- Cold-processable, generally added post-emulsification during cool down of <50° C.

## PRODUCT DETAILS

### PROPERTIES:

| ANALYSIS               | SPECIFICATION              | TEST METHOD       |
|------------------------|----------------------------|-------------------|
| Appearance             | White - Yellowish Emulsion | Visual            |
| Odor                   | Characteristic             | Organoleptic      |
| pH                     | 5.5 - 7.5                  | Direct            |
| Specific Gravity       | 0.900-1.100                | U.S. Standard Cup |
| Solubility             | Water Dispersable          | Direct            |
| Microbiology-TAPC      | <100                       | PCPC              |
| Microbiology-Pathogens | Negative                   | PCPC              |
| Viscosity (cP)         | 200-1200                   | Brookfield DV-1   |

### RECOMMENDATION:

USE LEVEL: 0.5-50%

pH RANGE: 4.0-7.0

#### PROCEDURE:

Add Imbue™ MB to the water phase and incorporate by mixing (cold process, no heat necessary)

**SHELF LIFE:** 12 months

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