

Mineral Sunscreen Lip Balm with Beeswax

Formula # 11/18-258/421/139-1

Features

- Mineral sunscreen lip balm provides broad spectrum protection.
- Elegant combination of ingredients.
- Flexible chassis (see additional notes).

Skin Care

Anhydrous

Natural / Clean

Sunscreen

Formula

Sunflower Wax

Natural wax extracted from sunflower seeds. Very high melting point and excellent structuring capabilities, increases stick structure and stability. Structurant. Usage level 1-15%.

White Beeswax

Natural wax produced by honeybees. Multifunctional; excels at making anhydrous formulas soft and pliable, and making emulsions glossy, thick and with excellent pickup. Structurant, plasticizer, thickener.

Orange Wax

Natural wax, upcycled from orange peels. Low melt point wax that provides a unique scent and color. Adds interest to the label and energy in the formula. Emollient. Usage level 0.5-10%.

Trade Name	INCI Name	%
<i>Phase A</i>		
Sunflower Wax ¹	Helianthus Annuus (Sunflower) Seed Wax	13.0
White Beeswax ¹	Beeswax	6.0
Orange Wax ¹	Citrus Aurantium Dulcis (Orange) Peel Wax	2.0
Castor Oil ²	Ricinus Communis (Castor) Seed Oil	46.0
Almond Oil ²	Prunus Amygdalus Dulcis (Sweet Almond) Oil	9.0
Jojoba Oil ²	Simmondsia Chinensis (Jojoba) Seed Oil	7.5
Vitamin E Acetate ³	Tocopherol Acetate	1.3
UV Cut ZnO-68-CG ⁴	Zinc Oxide, Caprylic/Capric Triglyceride, Polyhydroxystearic Acid	15.2

Additional Notes

For vegan natural version, replace Beeswax with Kester Wax BWR.

SPF estimate is 15. For increased SPF, replace Beeswax with Enhans SB-63 or Enhans CY-62.

Procedure

- Combine all ingredients, melt at 80 – 85 °C and mix until uniform, using shear if necessary.
- Pour into molds at about 85 °C, topping off as necessary.
- Allow to cool undisturbed to room temperature .

Stability Information:

Three months at 45 °C, three months at room temperature, three freeze/thaw cycles.

Supplier Information:

1. Koster Keunen, Inc.; 2. Brenntag Specialties; 3. DSM; 4. Grant Inc.

Looking for additional formulas? Try our Formula Selector Tool at: kosterkeunen.com/pcformulationguide