

BOTANICAL BALM

FORMULA CODE: GLP-0001 VERSION DATE: 02/13/25



GREEN LINE

INGREDIENTS

TRADE NAME SUPPLIER	INCI	%
PHASE A		
DI Water	Water	68.23
GreenGard™ PA / Green Line	Phytic Acid (and) Water	0.10
PHASE B		
Glycerin / Stock	Glycerin	3.00
Guar Gum / Stock	Gyamopsis Tetragonoloba (Guar) Gum	0.15
PHASE C		
GreenWax™ N V2 MB / Green Line	Polyglyceryl-10 Distearate (and) Cetearyl Alcohol	6.00
GreenWax™ GL MB / Green Line	Cetearyl Alcohol (and) Glyceryl Laurate	5.00
Bergacare FG Olive / Berg + Schmidt	Hydrogenated Ethylhexyl Olivatate (and) Hydrogenated Olive Oil Unsaponifiables	5.00
Castor Oil / Stock	Ricinus Communis (Castor) Seed Oil	3.00
Sea Buckhorn Oil / Stock	Hippophae Rhamnoides (Sea Buckhorn) Seed Oil	2.00
GLE RoseHip Seed Oil / Green Line	Rosa Canina Seed Oil	2.00
Inflamox™ Plus / Green Line	Vaccinium Macrocarpon (Cranberry) Seed Oil (and) Rosmarinus Officinalis (Rosemary) Leaf Extract (and) Zingiber Officinale (Ginger) Root Extract (and) Curcuma Longa (Turmeric) Root Extract	1.00
Radgard™ SF-R / Green Line	Carthamus Tinctorius (Safflower) Seed Oil (and) Rosmarinus Officinalis (Rosemary) Leaf Extract	1.00
Organic Virgin Coconut Oil / Stock	Cocos Nucifera (Coconut) Oil	0.60
Glyceryl Caprylate / Stock	Glyceryl Caprylate	0.18
PHASE D		
Lemon Myrtle CO2 Extract / Flavex	Backhousia Citriodora (Lemon Myrtle) Leaf Extract	0.08
Rosemary Moroccan Essential Oil / Lebermuth	Rosemarinus Officinalis (Rosemary) Leaf Oil	0.08
Peppermint Indian Essential Oil / Lebermuth	Mentha Piperita (Peppermint) Oil	0.08
PHASE E		
GreenGard™ LA / Green Line	Water (and) Arginine (and) Levulinic Acid (and) p-Anisic Acid	2.50
PHASE F		
Citric Acid (50% Aq Solution) / Stock	Citric Acid (and) Water	0.00
Sodium Hydroxide (25% Aq Solution) / Stock	Water (and) Sodium Hydroxide	0.00

PROCESSING

1. In a suitably-sized main kettle, add Phase A and begin mixing/heating to 70°-75°C.
2. Pre-blend Phase B in a separate container, add to main kettle while propeller mixing. Mix until uniform and continue heating.
3. In a suitably-sized side kettle, weigh Phase C and mix/heat to 70°-75°C* (*Ingredients should be molten at temperature).
4. When both kettles are uniform and at proper temperature, add side kettle to main kettle while propeller mixing. Maintain temperature and continue mixing with vortex* (*Be careful to not aerate batch) for 5 minutes.
5. Switch to homogenization and mix for 1-2 minutes per Kg batch size with cooling.
6. Switch to sweep mixing, and mix while continuing to cool.
7. Pre-blend Phase D ingredients in a separate container. Add to main kettle when batch is at 50°-55°C and continue to mix and cool.
8. Add Phase E ingredient when main kettle is uniform. Continue to mix and cool until main kettle reaches room temperature.
9. If necessary, adjust pH of main kettle with ingredients listed in Phase F.
10. Discharge batch when in spec and at room temperature.

FORMULA SPECIFICATIONS (at room temperature):

Appearance: Viscous cream, TMS

Color: Pale yellow, TMS

Odor: Fragrance Blend @ 0.24%, TMS

pH: 4.5-5.5

Viscosity: n/a

Please note: The information provided on this formulation sheet is provided as guidance and subject to change. This formula is not intended to be a commercial product.