

St Clements Toning Body Balm

Material Name	Manufacturer	INCI	%	Phase
Deionized Water	In House	Aqua	67.8	A
Surfac EDTA Na2	Surfachem	Disodium EDTA	0.1	A
Vanzan® NF	Vanderbilt	Xanthan Gum	0.1	B
Glycerine 99.8%	Various	Glycerin	5	B
Olivem® 1000	Hallstar	Cetearyl Oliviate, Sorbitan Oliviate	3	C
Olivem® VS Feel	Hallstar	Cetearyl Alcohol, Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Oleate	2.5	C
Sensolene® Care DD	Hallstar	Lauryl Oliviate	2	C
Flax Seed CP	Various	Linum Usitatissimum Seed Oil	4	C
Biochemica® Orange Butter	Hallstar	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable	2	C
Biochemica® Tangerine Butter	Hallstar	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Citrus Tangerina (Tangerine) Peel Oil, Hydrogenated Vegetable Oil	2	C
Biochemica® Lemon Butter	Hallstar	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil, Citrus Limon (Lemon) Peel Oil	2	C
Biochemica® Lime Butter	Hallstar	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil, Citrus Aurantifolia (Lime) Peel Oil	2	C
Surfac Cetyl Alcohol	Surfachem	Cetyl Alcohol	2.5	C
Saliguard® EHGP	Salicylates and Chemicals	Phenoxyethanol, Ethylhexylglycerin	1	D
Lift Oléoactif®	Hallstar	Carthamus Tinctorius (Safflower) Seed Oil (and) Spilanthes Acmella Flower/Leaf/Stem Extract (and) Astragalus Membranaceus Root Extract (and) Ubiquinone (and) Rosmarinus Officinalis (Rosemary) Leaf Extract	1	D
Quiditat NWP	Assessa	Cucumis Sativus (Cucumber) Fruit Extract, Hypnea Musciformis Extract, Gelidiella Acherosa Extract, Phenoxyethanol, Ethylhexylglycerin	3	D
10% Sodium Hydroxide In Water	In House	Aqua, Sodium Hydroxide	0.01	E
50% Citric Acid In Water	In House	Aqua, Citric Acid	0.01	E

Manufacturing Method

Phase A

- 1) Add batch quantity of water to Vessel
- 2) Add Surfac EDTA NA2 with Stirring
- 3) Begin Heating to 80-85 Deg C with Stirring

Phase B

- 4) Premix Vanzan® NF and Glycerin to form a homogeneous slurry, then add to main batch under brisk stirring. Homogenise to ensure Vanzan® NF is fully dispersed
- Continue heating to 80-85 Deg C

Phase C

- 5) In a separate vessel combine Olivem® 1000, Olivem® VS Feel, Sensolene® Care DD, Flax Seed CP, Biochemica® Orange Butter, Biochemica® Tangerine Butter, Biochemica® Lemon Butter, Biochemica® Lime Butter, Surfac Cetyl Alcohol
- Melt together to 80-85 Deg C

Once both phases are at the correct temperature add phase C to Phase A+B with stirring, then homogenise until a uniform emulsion has been formed. Cool with stirring to <= 40 Deg C

Phase D

- 6) Add the following materials individually whilst stirring. Saliguard® EHGP, Lift Oléoactif®, Quiditat NWP
- Homogenise if needed to ensure all materials are dispersed

Phase E - Adjust pH with either sodium Hydroxide or citric acid if required

Specification @ 20 Deg C

pH 5.0 - 6.0

Viscosity 20000 - 50000cps (TC/10RPM)