

<b>Dewy Day Cream</b>				
Material Name	Manufacturer	INCI	%	Phase
Deionised Water	In House	Aqua	<b>73.03</b>	A
Surfac EDTA Na2	Surfchem	Disodium EDTA	<b>0.1</b>	A
Vanzan® NF	Vanderbilt	Xanthan Gum	<b>0.1</b>	B
Glycerine 99.8%	Various	Glycerin	<b>5</b>	B
Carbopol Ultrez 10	Lubrizol	Carbomer	<b>0.75</b>	C
Olivem® 1000	Hallstar	Cetearyl Oliviate, Sorbitan Oliviate	<b>3</b>	D
Olivem® VS Feel	Hallstar	Cetearyl Alcohol, Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Oleate	<b>2</b>	E
Sensolene® Care DD	Hallstar	Lauryl Oliviate	<b>2</b>	E
Hallbrite® BHB	Hallstar	Butyloctyl Salicylate	<b>3</b>	E
Parsol 1789	DSM	Butyl Methoxydibenzoylmethane	<b>3</b>	E
Sensolene®	Hallstar	Ethylhexyl Oliviate	<b>2</b>	E
10% Sodium Hydroxide in Water	In House	Aqua, Sodium Hydroxide	<b>0.5</b>	F
CutiGuard CLR	CLR Berlin	Betaine, Sucrose, Hydrolyzed Rhodophyceae Extract, Aqua, Potassium Lactate, Lactic Acid	<b>3</b>	D
LIFE Oléobooster®	Hallstar	Brassica Campestris (Rapeseed) Seed Oil (and) Polyglyceryl-3 Diisostearate (and) Cistus Monspeliensis Extract (and) Stevia Rebaudiana Extract	<b>1</b>	D
BRIGHT Oléoactif®	Hallstar	Brassica Campestris (Rapeseed) Seed Oil (and) Glycyrrhiza Glabra (Licorice) Root Extract (and) Polyglyceryl-3 Diisostearate (and) Althaea Officinalis Root Extract (and) Oryza Sativa (Rice) Bran Extract	<b>0.5</b>	D
Saliguard® EHGP	Salicylates and Chemicals	Phenoxyethanol, Ethylhexylglycerin	<b>1</b>	D
10% Sodium Hydroxide in Water	In House	Aqua, Sodium Hydroxide	<b>0.01</b>	Q.S
50% Citric Acid in Water	In House	Aqua, Citric Acid	<b>0.01</b>	Q.S
<b>Manufacturing Method</b>				
<b>Phase A</b>				
1) Add Surfac EDTA Na2 to water and begin heating with stirring to 80-85 Deg C				
<b>Phase B</b>				
2) 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				
<b>Phase C</b>				
3) Sprinkle on Carbopol Ultrez 10 onto surface of batch whilst stirring and heating and allow to disperse and hydrate				
<b>Phase D</b>				
4) At approximately 50 Deg C add Olivem 1000 to main batch and allow to melt in				
<b>Phase E and F</b>				
5) In a separate vessel combine Olivem® VS Feel, Sensolene® Care DD, Hallbrite® BHB, Parsol 1789, Sensolene® and melt together to 80-85 Deg C				
6) Once both the main batch and phase E (Oil Phase) are at 80-85 Deg C, add oil phase to water phase under homogenisation.				
Once emulsion has formed add formulation amount of F to neutralise Carbopol Ultrez 10. Once homogeneous discontinue homogenisation and cool to <= 40 Deg C with stirring.				
<b>Phase G</b>				
Add in order with stirring CutiGuard CLR, LIFE Oléobooster®, BRIGHT Oléoactif®, Saliguard® EHGP				
Adjust pH with either sodium Hydroxide or citric acid if required				
<b>Specification @ 20 Deg C</b>				
pH 5.5 - 6.5				
Viscosity 60000 - 250000cps (TC/10RPM)				