

# balance & clear toner

formula #: 100-10116B

material #: 876694

ingredients (trade name   INCI name)		%w/w	supplier
<b>phase a</b>			
Deionized water	Water/Aqua/Eau	62.6800	Local
Tetrasodium EDTA	Tetrasodium EDTA	0.1000	Local
<b>phase b</b>			
Aqualon™ 7H3SF carboxymethylcellulose (CMC)	Cellulose Gum	0.0500	Ashland
Zemea* Propanediol (Liquid)	Propanediol	1.0000	Dupont Tate & Lyle Bio Products
<b>phase c</b>			
Sodium Hydroxide	Sodium Hydroxide	0.5500	Local
Salicylic Acid	Salicylic Acid	2.0000	Local
Deionized water	Water/Aqua/Eau	20.0000	Local
<b>phase d</b>			
Surfin 96	Alcohol Denat.	10.0000	Deulep
<b>phase e</b>			
Gransil VX-409	Bis-PEG-8 Dimethicone	0.2000	Grant Industries
<b>phase f</b>			
Optiphen™ preservative	Phenoxyethanol (and) Caprylyl Glycol	0.5000	Ashland
<b>phase g</b>			
Lipigenine™ biofunctional	Water (and) Glycerin (and) Linum Usitatissimum (Linseed) Seed Extract	1.0000	Ashland
Unicert Yellow 08006-J (Sol. 0.1%)	Water (and) CI 15985	1.7500	Sensient Cosmetic Technologies
Unicert Red 07004-J (0.1% solution)	Red4 (CI 14700)	0.1500	Sensient Cosmetic Technologies
<b>phase h</b>			
Sodium Hydroxide (10% aqueous solution)	Sodium Hydroxide	0.0200	Local
<b>total</b>		<b>100.00</b>	

## procedure

At RT, mix phase a in the main vessel with mixing blade.

At RT in a side beaker ,premix phase b until homogenous and add to phase a .

Mix well until homogenous.

At RT, in a side beaker, Premix phase c with magnetic stirrer until clear and add to the main beaker.

At RT, add phase d and mix well.

At RT, add phase e and mix until homogenous.

At RT, add phase f and mix until homogenous.

At RT, in a side beaker premix phase g and add to the main beaker. Mix well.

Stop at RT.

Measure the pH and adjust it if necessary to 4.5-5.00 with phase h.

## typical properties

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Date: 8/9/2017

description: Orange clear liquid

pH: 4.5-5.0

viscosity: N/A

stability/challenge information: This formula passed standard stability protocol and micro challenge testing. The preservative system, however, has not been optimized to its lowest effective level.

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