

The background is a solid teal color, decorated with several stylized green leaves of various shades and sizes scattered around the edges.

SOMMIES WORLD

presents

Amlactin Dupe
formula

FOR OILY AND ACNE PRONE SKIN

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DEVELOPED BY CHISOM OMENUGHA OF SOMMIES WORLD



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PRODUCT NAME:

AMLACTIN DUPE

PHASE	INGREDIENT	%
A	Water	55.5
A	Allantoin	0.2
B	1,3 Propanediol	5
B	Xanthan gum	0.2
C	Lotion Pro 165 (Glyceryl Stearate & PEG 100 Stearate)	4
C	Stearic acid	2
C	Cetyl Alcohol	2
C	Caprylic triglyceride	9
C	Ecosil (Hydrogenated Ethylhexyl Olivatate (and) Hydrogenated Olive Oil Unsaponifiables)	3
D	88% Lactic acid solution	13.6
D	Glycerin, water, Glycyrrhiza Glabra (Licorice) extract	5
D	Liquid germall plus	0.5
D	40% Sodium Hydroxide solution	q.s



METHOD OF MANUFACTURE

1. Measure out phase A.
2. Combine phase B to form a slurry, Add to phase A and stir through until a homogenous gel forms.
3. Heat phase A/B to 75°C.
4. Combine phase C and heat to 75°C. Add phase A/B to phase C under high shear stirring and mix until a smooth, glossy, homogenous emulsion forms.
5. Allow mixture to cool under low shear stirring until <40°C. Add phase D and stir through under low shear until homogenous.
6. Allow to cool <25°C. Check/adjust final pH to 4.5 – 5.5.
7. Product will need overnight to set fully, so don't evaluate it on the day you make it.
8. Cover and give a final stir the next day before packing off.



USING DIFFERENT CONCENTRATIONS OF LACTIC ACID STOCK SOLUTION.

CONCENTRATION OF LACTIC ACID STOCK SOLUTION	% NEEDED FOR 100g
60%	20g
70%	17.1g
80%	15g
88%	13.6g
90%	13.3g



FINAL NOTES AND CONSIDERATIONS FOR FORMULA

- If you need to further reduce the pH of the product (MAKE MORE ACIDIC), add Lactic acid solution little by little not more than 0.2g each time while checking the pH after each addition. **DO NOT GO BELOW pH 4.5!!!**
- If you need to further Increase(MAKE MORE Alkaline) the pH of the product, dissolve 4g of LYE(Sodium hydroxide) in 6g of water and add it little by little not more than 0.2g each time while checking the pH after each addition.
- You may choose to substitute ingredients (**EXCEPT THE PRESERVATIVE**) however be sure you do this with ingredients that function very similar to the one you're replacing. **BEAR IN MIND THAT THIS MAY AFFECT THE FINAL TEXTURE AND PERFORMANCE OF YOUR PRODUCT.**
- To further thicken product, consider increasing the amount of waxy emulsifiers and co emulsifier by 1% (e.g Stearic acid, Cetyl alcohol).



- Sunburn Alert: This product contains an alpha hydroxy acid (AHA) that may increase your skin's sensitivity to the sun and particularly the possibility of sunburn. Use a sunscreen, wear protective clothing, and limit sun exposure while using this product and for a week afterwards. **INCLUDE THIS WARNING ON YOUR PRODUCT LABEL IF YOU INTEND TO SELL.**
- If you're using a stock solution other than 88% which was used in the formula, check the table and adjust accordingly.
- If you find the smell overpowering, include your preferred fragrance
- Bear in mind that this formula contains a high concentration of AHA, as much as possible during substitution, minimize the addition of ingredients that are likely to cause irritation.
- Hydrogenated Ethylhexyl Olivat (and) Hydrogenated Olive Oil Unsaponifiables is sold under different trade names by different suppliers. E.g Ecosil. **IF YOU HAVE AN ISSUE SOURCING THIS INGREDIENT, YOU CAN SUBSTITUTE WITH ANOTHER NATURAL SILICONE ALTERNATIVE.**

