

# Biphasic Hair Mist

**S-X0114(LA)**

Keep your hair shiny, silky and in place all day with this biphasic hair spray. With **AlgaPur™ HSHO algae oil\*\***, a natural ingredient that provides softness and combability on dry hair. **Schercemol™™ CO**, **Schercemol™™ 185**, and **Schercemol™™ ICS esters** provide emollience and help to give a pleasant sensorial. Mix it and apply as needed and show off healthy and beautiful hair.

	INCI Name, Trade Name	Weight %	Function
<b>A.</b>	1. Deionized Water	71.132	Diluent
	2. Dibasic Sodium Phosphate	0.088	Buffer/ Density modifier
	3. Monobasic Sodium Phosphate	0.880	Buffer/ Density modifier
	4. Sodium Benzoate	0.500	Preservative
	5. Sodium Chloride	0.400	Polarizer
	6. Glycerin	3.000	Humectant/ Density modifier
	7. Ethanol	2.000	Solvent
<b>B.</b>	8. Cetyl Ethylhexanoate, <b>Schercemol™™ CO ester</b>	2.000	Emollient
	9. Isostearyl Neopentanoate, <b>Schercemol™™ 185 ester</b>	7.000	Emollient
	10. Isocetyl Stearate, <b>Schercemol™™ ICS ester</b>	3.000	Emollient
	11. Triolein, <b>Algapur™ HSHO algae oil**</b>	10.000	Hair Conditioner

## Product Properties:

Appearance	Two phases; yellow oily phase and clear aqueous phase
pH aqueous phase	5.0–5.5
Clarity (%T)	***See other properties
Stability	3-months RT, 45 °C, 50 °C and 4 °C 1 week at 60 °C, 4 freeze – thaw cycles
Recommended Packaging	PET/ Pump Spray

### \*\*\*Other Properties

• Delta E	4.5–5.5
• Alpha Index	1700–1900
• Gardner Index	5.5–8.5
• pH aqueous phase	5.5
• Density oil phase (g/mL)	0.892
• Density aqueous phase (g/mL)	1.028

\*\*AlgaPur™ HSHO algae oil products are manufactured by Corbion. AlgaPur™ HSHO algae oil™ is a trademark of Corbion and is used under license.

\*\*\*Equipment: HunterLab UltraScan® PRO Color Measurement Spectrophotometer.  
Test method: Total Transmittance,

## Supplier References:

J. T. Baker (2, 3)  
Cedrosa (4, 6)  
Lubrizon Advanced Materials, Inc. (8, 9, 10, 11)

**S-X0114(LA)**

Edition: May 11, 2021  
Reference #: SA122920-452 (SAMAD/FORO)  
LLS-PUBS-211661  
Original Edition: April 12, 2021

## Procedure:

- PART A:** In a suitable vessel add each ingredient (1-7) in order one at a time with gentle mixing. Be sure that each ingredient is dissolved before adding the next. Mix until uniform.
- PART B:** In a different vessel mix all **Schercemol™™ esters** and **Algapur™ HSHO algae oil\*\***. Be sure that each ingredient is dissolved before adding the next. Mix until uniform.
- In the final container pour water phase and then carefully add oily phase.

**NOTE:** The final package should have:

Aqueous phase: 78%  
Oil phase: 22%

Lubrizon Advanced Materials, Inc. / 9911 Brecksville Road, Cleveland, Ohio 44141-3247 / TEL: 800.379.5389 or 216.447.5000

Lubrizon Advanced Materials, Inc. ("Lubrizon") hopes that this suggested formulation will be of interest to you, but you should be cautioned that this is only a representative formulation and is not a commercialized product. Lubrizon believes that the information and data on which this formulation is based are reliable, but the formulation has not been subjected to testing for performance, efficacy or safety. **BEFORE COMMERCIALIZATION, YOU SHOULD THOROUGHLY TEST THE FORMULATION OR ANY VARIATION OF IT, INCLUDING HOW THE FORMULATION IS PACKAGED, TO DETERMINE ITS PERFORMANCE, EFFICACY AND SAFETY. IT IS YOUR RESPONSIBILITY TO OBTAIN ANY NECESSARY GOVERNMENT CLEARANCE, LICENSES OR REGISTRATIONS.** Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner. Any claims associated with this formulation may not be approved in all jurisdictions.

### SAFE HANDLING INFORMATION

**PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ ALL PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. SAFETY DATA SHEETS FOR LUBRIZOL PRODUCTS IN THIS FORMULATION ARE AVAILABLE FROM YOUR LUBRIZOL REPRESENTATIVE OR DISTRIBUTOR.**

For further information, please visit: [www.lubrizon.com/beauty](http://www.lubrizon.com/beauty)

Lubrizon Advanced Materials, Inc. is a wholly owned subsidiary of The Lubrizon Corporation

\*Trademark owned by The Lubrizon Corporation or its affiliates

© Copyright 2021 / The Lubrizon Corporation