

# UV Hair Serum

Lightweight serum that adds a layer of protection for your hair against the harmful effect of UV radiation.

ALCHEMY  
ingredients

## Ingredients

Phase	Trade Name	INCI name	% w/w	Supplier
A	HIPEgel® Oleo C	Glycerin, Coco-Caprylate/Caprates, Aqua, Sucrose Laurate, Sucrose Stearate	6.00	Alchemy Ingredients
A	Water	Aqua	2.00	
A	Glycerin	Glycerin	7.00	
B	Ethylhexyl Methoxycinnamate	Ethylhexyl Methoxycinnamate	5.00	
B	Ethylhexyl Salicylate	Ethylhexyl Salicylate	5.00	
B	Butyl Methoxydibenzoylmethane	Butyl Methoxydibenzoylmethane	3.00	
B	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	3.00	
B	CCT	Caprylic/Capric Triglyceride	58.20	
B	Jojoba Oil	Simmondsia Chinensis Seed Oil	5.00	
B	Argan Oil	Argania Spinosa Kernel Oil	5.00	
C	Tocopherol	Tocopherol	0.20	
C	Fragrance Calamansi	Parfum	0.50	Sozio
C	Red 4	CI 14700	0.10	

Formulation Code: 073-07-00-00/2

## Ingredient Benefits

### HIPEgel® Oleo C

- COSMOS approved
- NATRUE approved
- An easy way to make high oil HIPEs at room temperature
- Creates light formulas with a 'quick break' effect
- A transparent or translucent gel
- Low use level
- Transparent products can be achieved
- Stable viscous systems are made without the use of added thickeners – due to the nature of the polygonal packing of oil droplets in the structure
- Perfect for use in leave-on applications such as moisturisers

## Method

- Combine phase A in a beaker and heat to 60°C.
- Combine phase B in a separate beaker and heat until all solids are fully melted.
- Using an overhead stirrer, add phase B to phase A very slowly over five minutes.
- Add phase C and stir in by hand.

## Characteristics

### Stability

Stable for 3 weeks at 50°C and 3 months at 40°C

### Appearance

Light Pink Translucent Gel

### PH

5-7

### Viscosity

Spindle T-D (93) @ 10 RPM: 25,000 – 40,000 cps

✓ PEG Free

✓ Natural Origin

✓ COSMOS Approved

✓ Vegan

✓ Preservative Free

## Adapt the Formula

- Change oils and waxes used.
- Change fragrance or scrub particle.
- Adjust sun filter percentages to change level of UV protection.

The formulation above is intended for information purposes only based on the best of our knowledge. It is the responsibility of the customer to undertake the appropriate testing to determine the suitability of the product for their intended use.