

Simple HIPE Gel

A basic formulation to demonstrate the HIPE concept.

Ingredients

Phase	Trade Name	INCI name	% w/w	Supplier
A	HIPEgel® Oleo C	Glycerin, Coco-Caprylate/Caprates, Aqua, Sucrose Stearate, Sucrose Laurate	6.00	Alchemy Ingredients
A	Water	Aqua	1.50	
A	Glycerin	Glycerin	7.50	
B	Caprylic/Capric Triglycerides	Caprylic/Capric Triglycerides	85.00	

Formulation Code: 031-07-00-00/1

Method

- Mix together Phase A in a beaker and heat to 60°C.
- Mix together Phase B in a separate beaker.
- Using an overhead stirrer, add Phase B to Phase A very slowly over 5 minutes.

Characteristics

Stability

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

Appearance

Transparent gel

PH

5-7

Viscosity

Spindle T-D (94) @ 10 RPM: 40,000-100,000 cp (Model: Brookfield DV-E. Sample temperature: 20°C (±5 °C). Fill size: 100g)

✓ PEG Free

✓ Natural Origin

✓ Vegan

✓ Cosmos Approved

✓ Preservative Free

Ingredient Benefits

HIPEgel® Oleo C

- A COSMOS-approved emulsifier for High Internal Phase Emulsions (HIPEs) where the oil phase is greater than 90%
- 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

Adapt the Formula

- Change oils to obtain a different texture
- Add exfoliating particles to create a scrub
- Add colour for more interest

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.