

TECHNICAL FACT SHEET - HIPEGEL® OLEO & HIPEGEL® OLEO C

HIPEgel® Oleo is a vegetable-origin excipient that enables the formulator to make high oil content HIPEs (High Internal Phase Emulsions) easily, at room temperature. The oil phase is typically greater than 90% and the resulting emulsion is o/w, meaning that the formula is light and has a 'quick break' effect. Due to the nature of the polygonal packing of oil droplets in the structure (Fig. 1), stable viscous systems are made without the use of added thickeners.

QUALITY MANAGEMENT SYSTEMS

- **ISO 9001** – the materials are produced under a traceable ISO 9001 QMS and the facility is open to audit subject to MOQ
- **Pharma grade** – the raw material ingredients can be fully Pharma grade to compendial requirements as required
- **Pharma GMP** – there is scope to make the materials in a fully Pharma GMP compliant environment should the need arise

Please feel free to contact us to discuss further.

SUGGESTED FRAMEWORK FORMULATION

Water Phase:		Oil Phase:	
HIPEgel® Oleo	6%	Oil (Ester, Veg Oil, Silicone)	87%
Water	2%		
Glycerin	5%		

Method: Weigh out Water Phase – this does not need to be heated but for optimal clarity it may be necessary. Weigh out Oil Phase. Transfer Water Phase onto an overhead mixer fitted with a propeller blade and stir rapidly, dropping in Oil Phase very slowly at first, then quicker until a thick gel is formed.

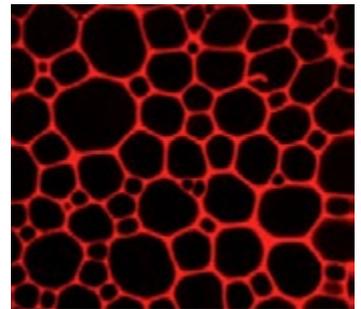


Figure 1. Packing of oil droplets in a HIPE

