

# Developing oily gels with Sucragel AOF

**Time guide: 30-35 minutes to make 500g oily gel using Sucragel AOF**

1. Start with the Sucragel in the beaker, with the propeller stirrer on at a high speed.
2. Add 10% of the oil phase over the first 8 minutes. This stage is the most crucial step and care must be taken to add the oil slowly to form the beginnings of the gel.
3. Add about 40% of the oil phase over the next 8-10 minutes, increasing the stirring speed as the oil is added and the viscosity increases.
4. For the remaining amount of oil, add it at a rate of about 10% per 2 minutes as the gel will be getting very viscous at this point making it harder to stir in larger amounts of oil.



**Tip:** The gel gets extremely viscous towards the end of the mixing process so stop the stirrer occasionally and use a spatula to stir around the edges to ensure all the oil is thoroughly mixed in. Additionally, increase the stirring speed as the gel thickens to ensure thorough mixing of the gel.

# Developing oily gels with Sucragel CF

**Time Guide: 20-25 minutes to make 500g oily gel using Sucragel CF**

**Note:** Sucragel CF doesn't produce as thick a gel as when using Sucragel AOF, therefore the guidelines are slightly different.

1. Start with the Sucragel in the beaker, with the propeller stirrer on at a high speed.
2. Add about 10% of the oil phase over the first 5 minutes. Again, this stage is the most crucial step and care must be taken to add the oil slowly to form the beginnings of the gel.
3. Add about 40% of the oil phase over the next 5-6 minutes and the remaining 50% of the oil phase over the last 5-8 minutes.

**Tip:** Increase the stirring speed as the gel thickens to ensure thorough mixing of the gel.

**For more tips on formulating with Sucragel,** please refer to our online training video.

**For tips on scaling up oily gel products** containing Sucragel, please refer to our scale up guide.

Visit [www.alfa-chemicals.co.uk](http://www.alfa-chemicals.co.uk)

ALFA Chemicals Limited,  
Arc House, Terrace Road South,  
Binfield, Bracknell, Berkshire RG42 4PZ.

**01344 397755**

**[personalcare@alfa-chemicals.co.uk](mailto:personalcare@alfa-chemicals.co.uk)**

**[www.alfa-chemicals.co.uk](http://www.alfa-chemicals.co.uk)**

The company gives no warranty as to the fitness or suitability of the products for any purpose, whether disclosed or otherwise. Customers should determine the suitability for their specific use. The company shall not be liable for any infringement, proven or alleged, by customers of any patent or other intellectual property rights.



TEL  
EMAIL