



Sucragel AP



INCI: *Glycerin & Aqua & Sucrose Laurate & Alcohol & Sucrose Myristate*

CONCEPT:

Sucragel is based on a particular sugar ester, sucrose laurate, which is one of the most interesting and versatile sugar esters around.

Sucragel CF & AOF are composed of Sucrose Laurate, oil, glycerine and water

Sucragel AP is oil free and has a lower usage level so is more cost effective

BENEFITS:

- A natural liquid emulsifier for use in a range of products
- Thickens any non polar lipophilic substance
- Vegetable origin
- Safe and mild to the skin
- A natural dispersant for lipophilic substances

Sugar esters are made by combining sucrose with a fatty acid via an esterification reaction. There are many grades available and they are used in the food, pharmaceutical and cosmetic industries. They are predominantly used as emulsifiers, although they do have other unique properties, such as being able to form stable oily gels which emulsify on contact with water. They are extremely mild and have a long history of safe use. Sucrose laurate is suitable for use in organically certified products.

APPLICATIONS

Oily gels – clear or opaque, turn to milk with water

Shaving gels – applied to dry skin and washes off easily with water

Cleansers – removes oil effectively and washes off easily

Creams and lotions – used as a cold process emulsifier

Spray emulsions – fine emulsions with a high loading of oils or sun filters

Toners – disperse fragrances/oily actives into water based toners

Foaming products – use as a co-surfactant for natural foaming products

Wet wipes – oily gel can be diluted down as a solution for wet wipes

Contact our technical team for advice on using Sucragel

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USAGE GUIDELINES:



- Sucragel AP is a natural liquid emulsifier and oil thickening agent. It can be used to gel most non polar oily materials with a usage level of about 10-15%, adding the oil phase into the Sucragel AP under vigorous stirring. The oily gel can be washed off very easily because as soon as water is added it emulsifies into a milky liquid.
- We recommend using Sucrablend SP (Sucrose Palmitate & Sucrose Stearate) alongside it at 1.5% to ensure high temperature stability. Additionally it should be used within a pH of 4 to 8.
- Sucragel AP can be used to produce milks and lotions by gelling an oil phase followed by a water phase using Sucragel AP at 4-6%
- Sucragel AP can be used at lower usage level than CF and AOF to make oily gels and emulsions. Additionally, it doesn't contain any oil so you are able to choose the oil phase for the product. It does however contain a small amount of food grade alcohol which can add some microbial protection to your products.
- It can be used in mild, low foaming products as a co-surfactant with a usage level of 10-15% .
- Additionally Sucragel AP can be used to disperse oily actives, fragrances and dyes into water. By stirring in a small amount (2-5%) of Sucragel AP into the lipophilic active (0.1-0.5%) and then stirring in the water phase the oily ingredient will readily disperse.

Visit our new website for more formulation ideas

www.alfa-chemicals.co.uk

Download our new 'Guide to Gelling Oils' training video

The Sucragel range

Sucragel CF

INCI: *Glycerin & Caprylic/Capric Triglyceride & Aqua & Sucrose Laurate*

- > Colourless clear liquid
- > Compatible with esters and non-polar oils

Sucragel AOF

INCI: *Prunus Amygdalus Dulcis (Sweet Almond) Oil & Glycerin & Aqua & Sucrose Laurate*

- > Slightly yellow clear liquid
- > Compatible with vegetable oils

Sucragel AOF BIO (94% Certified Organic)

INCI: *Glycerin & Prunus Amygdalus Dulcis (Sweet Almond) Oil & Sucrose Laurate & Citrus Aurantium Dulcis (Orange) Fruit Water*

- > Slightly yellow clear liquid



Sucragel AP

INCI: *Glycerin & Aqua & Sucrose Laurate & Alcohol & Sucrose Myristate*

- > Colourless Clear Liquid
- > Compatible with esters, non-polar oils and vegetable oils

Sucrablend SP

INCI: *Sucrose Palmitate & Sucrose Stearate*

- > Fine White Powder
- > Used alongside Sucragel CF and AP at 1-2% to ensure high temperature stability



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