

ALFA

Alfa Chemicals Ltd - Jennifer Watts




SUCRAGEL
Gel-to-Milk Technology



Agenda

- What is Sucragel?
- Introducing the Sucragel range
- Sucragel 'oily gel' demonstration
- Example formulations
- Sucragel 'Hall of Fame'

What is Sucragel?

- Sucragel is a natural, liquid emulsifier and oil thickening agent based on sugar chemistry
 - Sucragel has the ability to gel almost any non-polar ingredient and turn it into an oily gel
 - Almost any oily gels made with Sucragel will emulsify instantly on contact with water
 - Sucragel can gel vegetable oils, esters, mineral oils, petrolatum, lanolin, silicones, sun filters etc
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Sucragel Grades

Sucragel CF

INCI: *Caprylic/capric triglycerides (and) Glycerine (and) Water (and) Sucrose laurate*

Sucragel AOF

INCI: *Glycerine (and) Prunus Amygdalus Dulcis (sweet almond) oil (and) Sucrose laurate (and) Water*

Sucragel AOF BIO

INCI: *Glycerine (and) Prunus Amygdalus Dulcis (sweet almond) oil (and) Sucrose laurate (and) Citrus Aurantium Dulcis (Orange) Fruit Water*



Sucragel AP (all purpose)

INCI: *Glycerine (and) Aqua (and) Sucrose Laurate (and) Alcohol (and) Sucrose Myristate*

Processing Tool:

Sucrablend SP (to be used with Sucragel at 1-2% to increase heat stability)

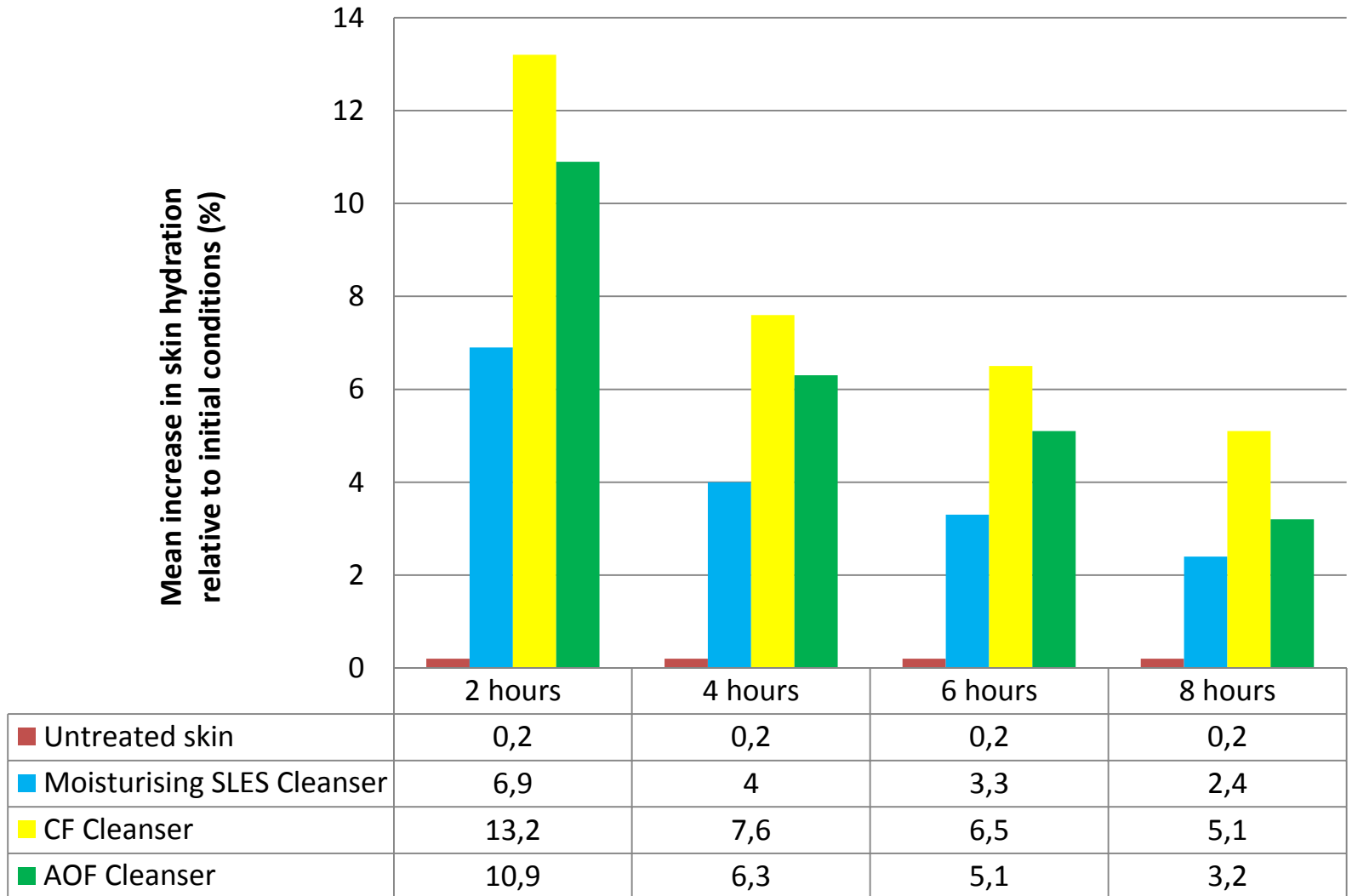
INCI: *Sucrose Palmitate (and) Sucrose Stearate*



Benefits

- Very mild
- Natural origin & biodegradable
- Ecocert approved
- Preservative free
- Multifunctional ingredient for leave on and rinse off products
- Positive hydration study results

Results of Hydration Study



ALFA

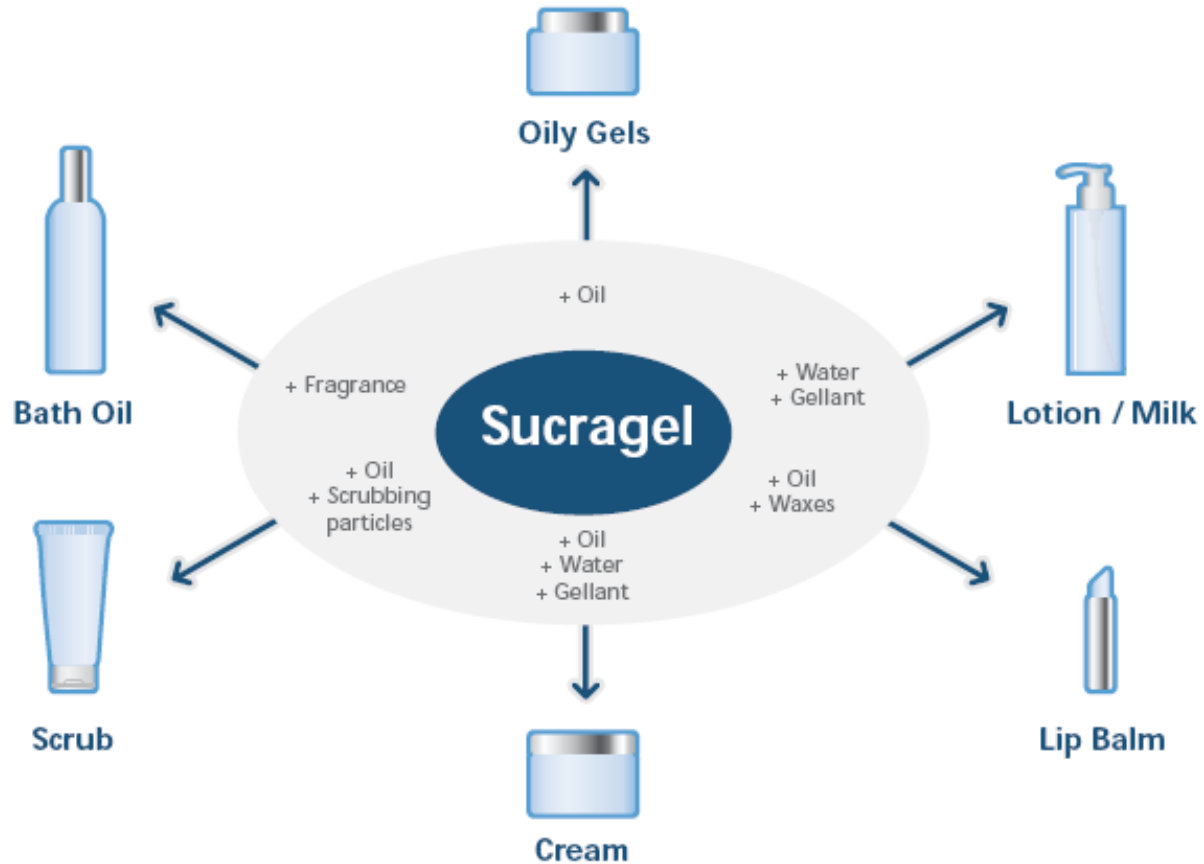
Sucragel Demonstration!



For a repeat demonstration watch our training video on our website:

<http://www.alfa-chemicals.co.uk/Divisions/PersonalCare/PersonalCare-Sucragel/Sucragel-Videos.aspx>

Formulations



Multi-gel to Milk

Phase	Ingredient	INCI designation	% w/w	Supplier
A	Sucragel CF	<i>Caprylic/Capric Triglycerides & Glycerine & Aqua & Sucrose Laurate</i>	20.0	Alfa Chemicals
A	Sucrablend SP	<i>Sucrose palmitate & Sucrose Stearate</i>	1.5	Alfa Chemicals
B	Labrafac CC	<i>Caprylic/Capric Triglycerides</i>	77.5	Gattefossé
C	Water	<i>Water</i>	1.0	-

Transparent oily gel which turns milky on contact with water. Product has multi functional benefits as a cleanser, shaving gel, massage gel, face mask

Easi-Rinse Facial Polish

Phase	Ingredient	INCI designation	% w/w	Supplier
A	Sucragel AOF	<i>Glycerine & Prunus dulcis (Sweet Almond) Oil & Sucrose Laurate & Aqua</i>	25.0	Alfa Chemicals
B	Olive Oil	<i>Olea europaea (olive) fruit oil</i>	72.9	Provided
B	Natural Vitamin E	<i>Tocopherol</i>	0.1	BTSA
C	Olive Exfoliator 500	<i>Olea europea (Olive) seed</i>	2.0	Lessonia

- A gentle & natural exfoliator
- Good spreadability and excellent rinsability

I cant believe it IS butter

Phase	Ingredient	INCI designation	% w/w	Supplier
A	Sucragel CF	<i>Caprylic/capric Triglycerides & Glycerin & Aqua & Sucrose Laurate</i>	25.0	Alfa Chemicals
A	Sucrablend SP	<i>Sucrose Palmitate & Sucrose Stearate</i>	1.0	Alfa Chemicals
B	Shea Butter	<i>Butyrospermum parkii</i>	55.00	Fancor
B	Activeshine Amazon	<i>Orbignya speciosa kernel oil & Astrocarium murumuru butter</i>	5.00	Chemunion
B	Labrafac CC	<i>Caprylic/Capric Triglycerides</i>	13.9	Gattefossé
B	Natural Vitamin E	<i>Tocopherol</i>	0.1	BTSA

- Semi solid butters with no crystallisation at room temperature
 - Can be used as a lip balm, body butter or even as a conditioning treatment for hair
- OR**

Take this oily gel as the intermediate step and disperse it in water.....



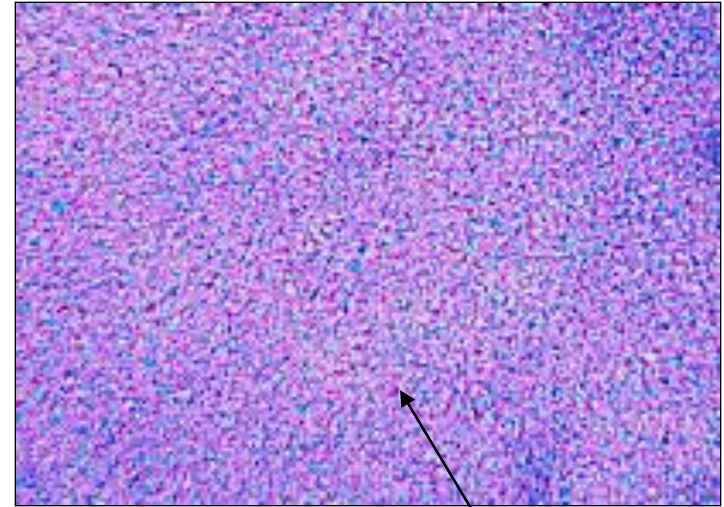
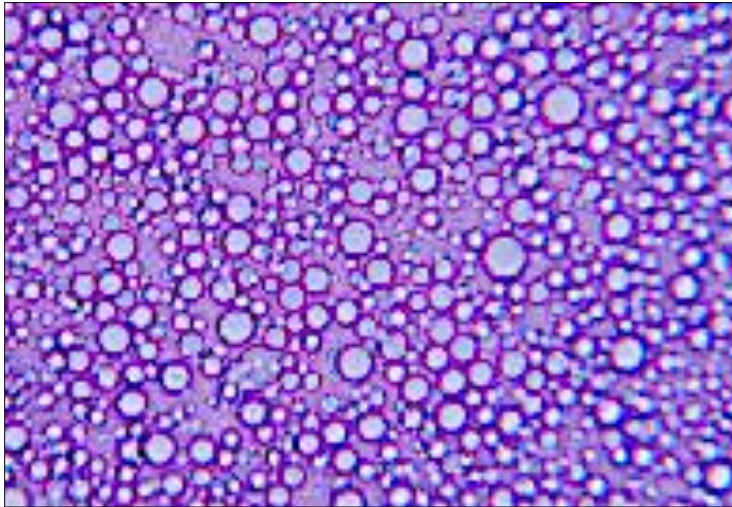
Butter Mist / Sprayable Conditioner

Phase	Ingredient	INCI designation	% w/w	Supplier
A	Sucragel CF	<i>Caprylic/Capric triglycerides & Glycerin & Aqua & Sucrose Laurate</i>	8.00	Alfa Chemicals
B	Shea Butter	<i>Butyrospermum parkii</i>	18.0	ISP
B	Activeshine Amazon	<i>Orbignya speciosa kernel oil & Astrocarium murumuru butter</i>	2.00	Chemunion
B	Labrafac CC	<i>Caprylic/Capric Triglycerides</i>	4.00	Gattefossé
C	Water	<i>Aqua</i>	67.04	-
C	Kelcogel [®] CG-HA	<i>Gellan gum</i>	0.06	CP Kelco
D	Euxyl K700	<i>Phenoxyethanol & Benzyl alcohol & Potassium sorbate & Water & Tocopherol</i>	0.90	Schulke

This fine white emulsion can be used as a highly moisturising milk or as a base for wet wipes

Microscopic Analysis

Emulsion made with Sucragel via a standard hot process



Same emulsion made **via an oily gel intermediate** using Sucragel

SPF 30 Sun Spray

Phase	Ingredient	INCI designation	% w/w
A	Sucragel AP	<i>Glycerin & Water & Sucrose Laurate & Alcohol & Sucrose Myristate</i>	5.0
B	Escalol 517	Butyl Methoxydibenzoylmethane	2.0
B	Escalol 557	Ethylhexyl Methoxycinnamate	7.5
B	Escalol 567	Benzophenone-3	3.0
B	Vitamin E Acetate	Vitamin E Acetate	0.1
B	Paraffin Oil	Paraffin Oil	4.0
B	Eusolex 6300	4-Methyl Benzlidenecamphor	1.5
B	Lexfilm Sun	Polyester-7 (and) Neopentyl Glycol Diheptanoate	1.5
C	Water	<i>Aqua</i>	74.34
C	Kelcogel® CG-HA	<i>Gellan gum</i>	0.06
D	Euxyl K700	Phenoxyethanol,benzyl alcohol, potassium sorbate	1.0

Gel the sun filters using Sucragel AP

Disperse in the water phase to create a fine, white sprayable product

Sucragel 'Hall of Fame'

A decorative blue abstract background at the bottom of the slide, featuring swirling, smoke-like patterns in various shades of blue.

Hall of Fame

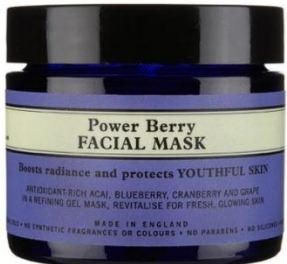


Oriflame Ecollagen Gel-to-Milk Anti-Ageing Cleanser

- Crystal clear gel cleanser containing Sucragel CF

Jell Skin Base

- A base make-up product with moisturising effect
- Contains Sucragel CF



Neal's Yard Berry Mask

- Gel facial mask containing Sucragel AOF Bio

Hall of Fame



T&N – Slimming Gel Oil

- Clear oily gel with slimming actives
- Sucragel AOF

Kleraderm – Golden Amber Massage

- Caramel massage gel
- Sucragel AOF



Veld's – Xim'Up lips & mouth

- Immediate plumping effect
- Sucragel CF



Hall of Fame



Body Botanix

- Range of body scrubs
- Contains Sucragel AOF

The Organic Pharmacy

- Resculpting Body Scrub
- Contains Sucragel AOF Bio



Ava

- Range of Sugar Scrubs
- Contains Sucragel AOF



Hall of Fame



Space NK, 'life NK' range

- Midnight Milk Soak
- Uses Sucragel CF as an emulsifier

Virgin Vie – Mummy & Me magic gel

- Oily gel based on Clear Butter formulation to soothe dry skin
- Uses Sucragel AOF



Germaine De Capuccini - Golden Caresse Sun Sport

- Sucragel CF



Hall of Fame

Lovea Bio – Nourishing shea balm

- Creamy rich body butter
- Sucragel CF



Kinefis - Massage Cream Duraplus

- Sucragel CF

Simple – Moisture Boost Hydro Cream

- Light cream with high level of heavy emollients
- Sucragel CF (Gel-to-milk-cream)





Any Questions?

