



• **BEAUTYOLEA S**  
**BEAUTYDERM K**

SURFACTANTS  
AND EMULSIFIERS

OLIVE OIL DERIVATIVES

# SURFACTANTS

## BEAUTYOLEA S3

- Secondary surfactant, obtained from pure italian olive oil
- The emollient and lubricant peculiarities of the precious olive oil promote an enriching effect, which is very appreciated in shampoos, toiletries and personal care formulations
- It reduces the irritating action of the compounds of surfactant system, protect skin and damaged hair
- When enclosed in toiletries formulations, it does not modify the foaming power of the other surfactants
- It causes a thickening effect, not fluidising in any case
- It is endowed with a good solubilizing power, which is very appreciated in order to disperse oil, scents and liposoluble active principles in lotions and toiletries
- It removes make up in a mild way
- It gives very nice after-use feeling on the skin
- Because of its good skin and eye compliance, it can be used as an oily compound that permits the absorption of lipophilic active principles in bath and massage formulations
- The intermediate HLB (11) value makes it an emulsifier or co-emulsifier in O/W systems.

## BEAUTYOLEA S4

- Primary surfactant, obtained from pure italian olive oil
- Very high concentration: > 36%
- Excellent dermatological compliance and with a low eye irritating power
- It reveals a perfect compliance towards skin and hair
- It has all the good properties of the carboxylate group without the troubles of soap due to alkaline hydrolysis
- It makes rich, creamy, shining and small bubbled foam, while cleansing in a new, milder and softer way
- It has a good solubilizing capacity
- It is stable in alkalis and acids, and it can be used in a large range of pH with no particular cautions
- It reveals an excellent stability in hard waters
- Its wetting power is one of the most elevated, and it remains stable at all pH values
- It can be used both as primary and secondary (in association with others) surfactant in shampoos and other toiletries

## Applications

- Natural & traditional bath foams, shampoos and hand soaps
- Wet wipes
- Face cleansers

TRADE NAME	INCI NAME	USE LEVEL
Beautyolea S3	● : Olive oil PEG-7 esters	● : 1-5
Beautyolea S4	● : Sodium PEG-7 Olive Oil Carboxylate	● : 1-30



# EMULSIFIERS

## BEAUTYDERM K9

Beautyderm K9 allows the realization of emulsions of appreciable W/O cosmetic grade, shiny and creamy, light and easily absorbed and with a smooth feel and they allow the incorporation of any type of oil, even of high polarity.

The gelling activity of the watery phase can be obtained with this emulsifier that is able to form an organized reticular structure, and allows to substitute waxy substances not more in tuning with the modern conception of the W/O emulsions, which is preferred to be fresh and light, not impacted, smooth and easy to spread.

### Main characteristic

- Formation of a structure stable at cold or in warm temperatures
- A formulating versatility
- Facility and quickness of production
- Make rich, nutritive W/O creams and lotions for sensitive skin
- Disperse homogeneously physical filters in sun products, assuring the most effective skin protection from UV
- Keep skin protected from sun even in water (water resistance)
- Improve brilliance in make up products
- Reduce lip dryness caused by lipsticks.

### Applications

- Day creams and emulsions for daily usage
- Detergent and moisturizer lotions
- lipsticks
- Suncare and aftersun products

## BEAUTYDERM K10

This product, based on olive oil, is able to form particularly fresh and light O/W emulsions that are pleasantly velvety to the touch and enriched with the eudermic functional properties of precious Italian olive oil. It is possible to obtain stable emulsions that are easily water able and that offer moisturizing and emollient properties and a pleasant light and silky sensation even when they contain large quantities of oily substances.

Beautyderm K10 responds to the current market trends by offering a natural, pure, non-animal-tested product with outstanding properties, whilst retaining its skin-feel benefits of smoothness and lightness with excellent spreadability. The product functions are self-emulsifying, self-bodying oil-in-water emulsifier offering distinct technical advantages.

### Main characteristic

- The product is composed by very mild surfactants
- Creams and milks can be produced by simply adjusting the emulsifier concentration
- Very small quantities are enough to emulsify oils and other lipophile ingredients
- A wide range of cosmetics oils, including mineral, vegetable and silicone oils, can be used without affecting the stability of the emulsion
- Emulsions created with Beautyderm K10 have notable stability at high or low temperatures and good resistance to water thanks to the formation of a hydrophobic film on the surface
- The emulsification energy input should be checked so as not to destroy the liquid crystalline phase
- It is a flexible 'single' oil-in-water emulsifier that permits the production of both creams and milks without needing an additional hydrophilic ethoxylated 'co-emulsifier'.

TRADE NAME	INCI NAME	USE LEVEL
Beautyderm K9	Sorbitan Olivatate	3-6
Beautyderm K10	Cetearyl glucoside, Sorbitan Olivatate, Cetearyl alcohol	3-6

**INTIMATE CLEANSER**

Heat phase C at 60°C and melt peg 150 distearate in water. Add phase C to phase D. Mix phase A and Phase B. Mix the 2 phases under cold process.

	TRADE NAME	INCI NAME	%
Phase A	Disodium laureth 7 citrate	Disodium laureth 7 citrate	20
	Beautyolea S3	Olive oil PEG-7 esters	12
	Beautyolea S4	Sodium PEG-7 olive oil carboxylate	2
	Tween 20	Sorbitan laurate	2
B	Scent	Parfume	0,12
	Grapeseed extract	Grapeseed extract	1
C	Usnic acid	Usnic acid	0,5
	Beautex 6000	PEG-150 distearate	0,5
D	Preserved water	Aqua	to 100
	Lactic acid	Lactic acid	to pH 4,5

**EYE DEMAKE UP LOTION**

Mix at room temperature 2 phases.

Phase A	PEG-6 caprylic capryc glycerides	PEG-6 caprylic capryc glycerides	3
	Beautycare CT	Sodium cottonseedamphoacetate	2
	Scent		0,01
	Propylene glycole	Propilene glycole	2
B	Beautyolea S3	Olive oil PEG-7 esters	1
	Tween 20	Sorbitan laurate	2
	Preserved water	Aqua	to 100
	Glucamine	Glucamine	0,15
	Witch hazel distilled water	Witch hazel	1,4
	Chamomile distilled water	Matricaria chamomille	10

**BEAUTYDERM K9 SUN PROTECTION CREAM\***

How to operate Heat Phase A and Phase B to 80°C. At temperature phase B in Phase A, stirring under vacuum. Cool mixing and stirring.

Phase A	Beautyderm k9	Sorbitan olivate	7
	Beautymol gtcc	Caprylic capric trigliceride	4
	Shea butter	Shea butter	2
	Isotridecyl stearate	Isotridecyl stearate	7
	Jajoba oil	Jajoba oil	5
	Beeswax	Beeswax	3
B	Octylmetoxycinnamate	Octylmetoxycinnamate	4,5
	Butylmethoxydibenzoilmethane	Butylmethoxydibenzoilmethane	2
	Preserved water	Aqua	to 100
	MgSO <sub>4</sub> ·7H <sub>2</sub> O	MgSO <sub>4</sub> ·7H <sub>2</sub> O	0,7
	Sodium dehydroacetate	Sodium dehydroacetate	0,1

**BEAUTYDERM K10 BODY CREAM\***

Heat phase A and phase B at 70 ° C. Mix phase C to B to blow up completely. Mix A with B+C under strong turboagitation under vacuum. Cool to 35 ° C and add phase D.

Phase A	Beautyderm k10	Cetearyl olivate, sorbitan olivate, cetearyl alcohol	5
	Cetyl alcohol	Cetyl alcohol	3
	Beautymol ots	Octylstearate	10
	Inulin lauryl carbammate	Inulin lauryl carbammate	0,15
	Beautyolive 3	Hydrogenated olive oil unsaponifiables (and) hydrogenated isocetyl olivate (and) tocopherol	7
	Dimethicone	Dimethicone	0,5
B	Antiox	Triethyl citrate; bha; tocopherol	0,05
	Preserved water	Aqua	to 100
	Sodium dehydroacetate	Sodium dehydroacetate	0,1
	Xantan gum	Xanthan gum	0,2
D	Scent	Parfume	0,5
	Lactic acid	Lactic acid	to pH 5,80



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