



## BEAUTYOLEA S

SURFACTANTS  
OLIVE OIL DERIVATES

## BEAUTYOLEA S3

BEAUTYOLEA S3		
TRADE NAME	INCI NAME	%
Beautyolea S3	Olive Oil PEG-7 Esters	1-5

### APPLICATIONS

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

## BEAUTYOLEA S4

BEAUTYOLEA S4		
TRADE NAME	INCI NAME	%
Beautyolea S4	Sodium PEG-7 Olive Oil Carboxylate	1-30

### APPLICATIONS

- Natural & traditional bath foams, shampoos and soap
- Face cleanser
- Micellar water
- Shampoo
- Mild detergents

## BEAUTYOLEAS S3 SURFACTANTS

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.

### ADVANTAGES

Very mild surfactants with exceptional performances.

Leaves the skin hydrated and moisturized for long time.

It increases the mildness of your foamy surfactants to make for a more gentle facial or body cleanser.

It lends an emollient light lubricious skin feel to liquid soaps, bubble baths, shampoos, facial cleansers, body washes, shower gels.

It plays well also with gels.

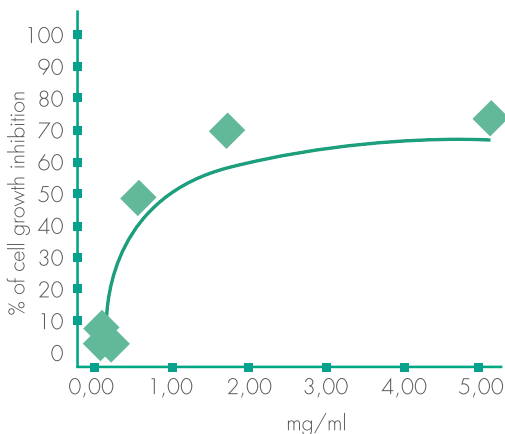
It won't reduce foaming.

It's a light solubilizer for other ingredients like essential or fragrance oils

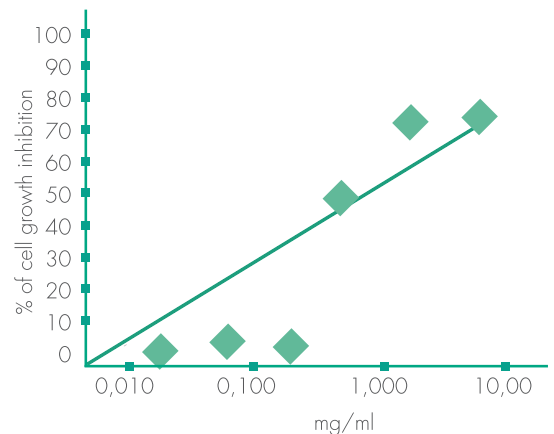
It increases the emolliency in water based body sprays.

It's soluble in water and alcohol and dispersible in oils.

### CITOTOXICITY TEST



IC50 = 1,5  
IC50 > 1,5  
means absence of cytotoxic/irritating effects



**THE TABLE AND THE GRAPHS LISTED ABOVE SUMMARIZE THE VALUES OF THE INDEXES OF ERYTHEMA AND EDEMA FOUND OUT FOR EACH VOLUNTEER.**

We can state that the product named: **BEAUTYOLEA S3**

has been dermatologically tested and it can be classified according to amended Draize classification: **NOT IRRITANT FOR SKIN/EYES**

## BEAUTYOLEAS S4 SURFACTANTS



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.

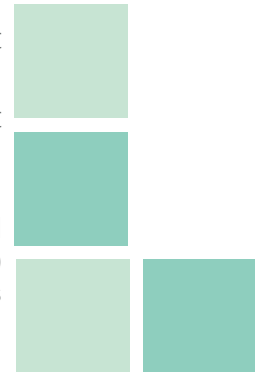
It has a good solubilizing capacity

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.



## ADVANTAGES

Derived from pure italian olive oil

Gentle new surfactant.

Primary surfactant with foaming and cleansing properties.

It shows ionic and anionic characteristics at the same time.

High emollient skin feel after rinse-off

It can be easily worked at room temperature.

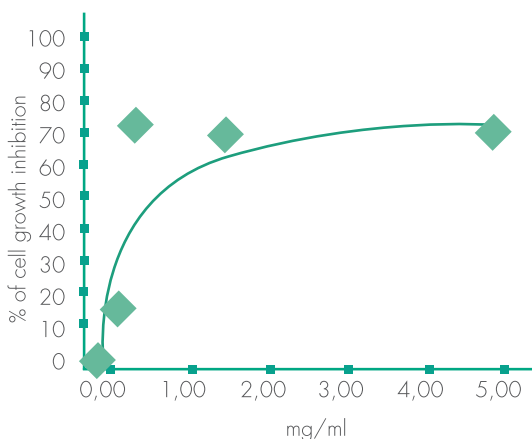
It can also be used in a wide range of pH, from 3 to 12

Completely skin friendly, not irritating at all.

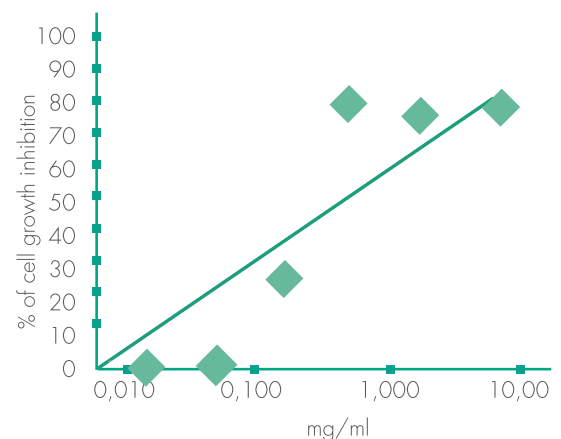
Provides cosmetic cleansing compositions with desirable properties.



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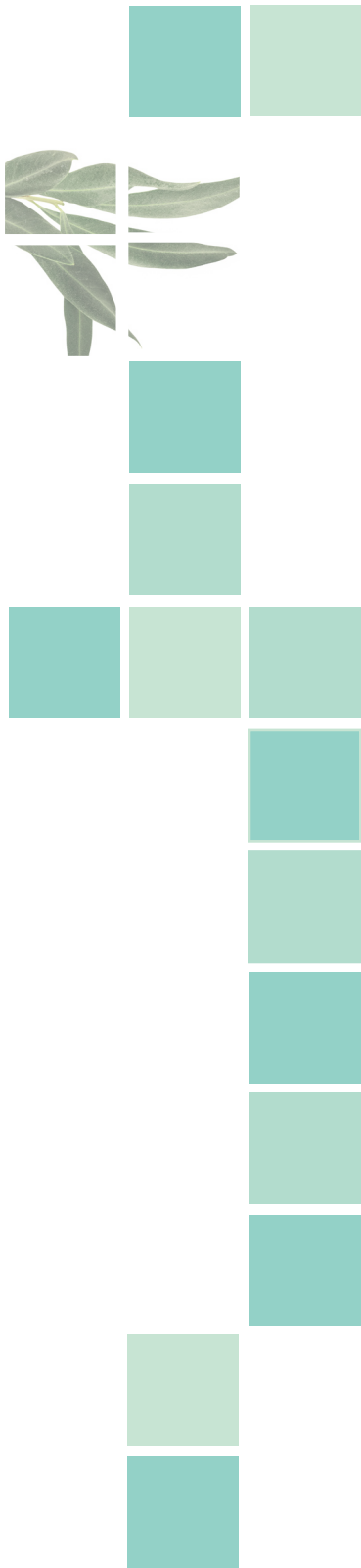


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