



SISTERNA®

For know-how in sucrose ester techniques

# Personal Care



product range

# Natural Sisterna® sucrose esters

Safety and mildness are key requirements in today's personal care industry and are increasingly driving formulators to focus their interest on natural and naturally-derived raw materials. But just being mild and safe is not enough: today's raw materials should meet an outstanding technological performance as well.

In Sisterna® sucrose esters these requirements are combined. Being based on sucrose and vegetable fatty acids, Sisterna® sucrose esters are a unique range of high quality, non-ionic emulsifiers with exceptional performance and mildness, which can offer various unique benefits to personal care formulations.

## Benefits

Based on natural, renewable and non-GMO raw materials:

- High quality
- Easily biodegradable
- Non-ionic
- Ethylene oxide or PEG free
- Covering a wide range of HLB values
- Neutral in taste and odour
- Edible
- Non-irritant properties
- Skin feel modifier
- Improve skin smoothness, emolliency and moisturisation
- Cold processable (high HLB grades)

## About Sisterna

Sisterna is responsible for the supply of Sisterna® sucrose esters in Europe and the Americas and has a network of exclusive distributors in its territory. It distinguishes itself as a flexible partner that will help to find technical solutions in the development, improvement and process optimising of personal care products. Countless innovative applications with these multi-functional emulsifiers have been developed and guide formulations of many different concepts are available upon request.



### Technical service

Sisterna's technical service teams are ready to co-operate with customers to find solutions to specific technical problems. Further guide formulations and technical notes are available on request.

# Product range, functionalities & application concepts

Product range	PS750-C	L70-C	SP70-C	SP50-C	SP30-C	SP10-C	SP01-C	A10E-C
INCI-name	Sucrose Palmitate	Aqua (and) Sucrose Laurate (and) Alcohol	Sucrose Stearate	Sucrose Stearate	Sucrose Distearate	Sucrose Polystearate	Sucrose Polystearate	Sucrose Tetrastearate Triacetate
HLB value	16	15	15	11	6	2	<1	-
Physical form	powder	liquid (40% sol)	powder	powder	powder	powder	powder	powder
% mono ester	75	70	70	50	30	10	1	0

## Functionalities

Emulsifier O/W	○		●	●	●			
Co-emulsifier W/O						●	●	
Co-surfactant/ mild cleanser	○	●	○					
Lipidic phase modifier								●
Selective anti-microbial activity			●					

## Application concepts

Main emulsifier			●	●	●			
Co-emulsifier O/W and W/O	○		●			●	●	
Cold emulsifier	○		●					
Gel-to-milk	○		●					
Spray/wipe & serum emulsions	○		●					
Mild cleansing	○	●	○					
Anhydrous systems						●	●	●

- First choice
- Good alternative

Sisterna distinguishes itself as a flexible partner that will help to find technical solutions in the development, improvement and process optimising of cosmetic products. From the Netherlands Sisterna presents the most up-to-date service in sales support and knowledge development.

# Other information

Grade	Natru	Ecocert / COSMOS	HALAL	Natural Certified by NPA	RSPo	Kosher	Suitable for Vegetarians	Suitable for Vegans
PS750-C		 COSMOS APPROVED	 NPO JAPAN HALAL ASSOCIATION JHAB1002:2019		 MIXED 2-0123-09-100-00			
L70-C		 COSMOS APPROVED			 CREDITS 2-0123-09-100-00			
SP70-C		 COSMOS APPROVED	 NPO JAPAN HALAL ASSOCIATION JHAB1002:2019		 MIXED 2-0123-09-100-00			
SP50-C		 COSMOS APPROVED	 NPO JAPAN HALAL ASSOCIATION JHAB1002:2019		 MIXED 2-0123-09-100-00			
SP30-C		 COSMOS APPROVED	 NPO JAPAN HALAL ASSOCIATION JHAB1002:2019		 MIXED 2-0123-09-100-00			
SP10-C		 COSMOS APPROVED	 NPO JAPAN HALAL ASSOCIATION JHAB1002:2019		 MIXED 2-0123-09-100-00			
SP01-C		 COSMOS APPROVED	 NPO JAPAN HALAL ASSOCIATION JHAB1002:2019		 MIXED 2-0123-09-100-00			
A10E-C					 MIXED 2-0123-09-100-00			