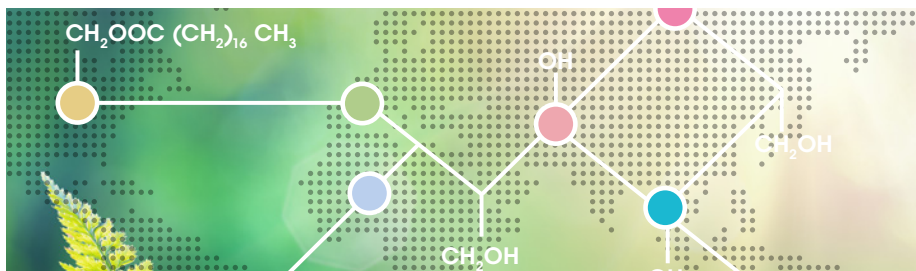


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FORMULATION GUIDE 2020



Introduction to 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.

Sisterna® sucrose esters can offer other unique benefits to personal care formulations, thus offering formulators many advantages in these times of environmental consciousness.

Sisterna distinguishes itself as a flexible partner that will help to find technical solutions in the development, improvement and process optimising of personal care products.

Further guide formulations are available on request.




































Business Partners

Sisterna B.V. is responsible for the supply of Sisterna® sucrose esters in Europe and the Americas and has a network of exclusive distributors in its territory.

Visit our website www.sisterna.com to find out more about Sisterna® sucrose esters and to find the business partner responsible for your country.

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication. Nothing herein is to be construed as warranty expressed or implied. In all cases it is the responsibility of users to determine the applicability of such information or the suitability of any products for their own particular purpose.

Certifications

Grade	Ecocert / COSMOS	Natural Certified by NPA	RSPO	Halal	Kosher	Suitable for Vegetarians	Suitable for Vegans
PS750-C						✓	✓
L70-C						✓	✓
SP70-C						✓	✓
SP50-C						✓	✓
SP30-C						✓	✓
SP10-C						✓	✓
SP01-C						✓	✓
A10E-C						✓	✓

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 Tetraestearate 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	PS750-C	L70-C	SP70-C	SP50-C	SP30-C	SP10-C	SP01-C	A10E-C
Emulsifier O/W	●	●	●	●	●			
Co-emulsifier W/O						●	●	
Co-surfactant / mild cleanser	○	●	○					
Lipid phase modifier								●
Selective antimicrobial activity		●	●					

Application concepts	PS750-C	L70-C	SP70-C	SP50-C	SP30-C	SP10-C	SP01-C	A10E-C
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

1	Sucrose esters as main O/W emulsifier system	ME.010 Thai Wellness Body Butter ME.012 African Nourishing Lotion ME.013 Swiss Chocolate Body Mousse ME.014 Anime Grey Hair Styling Cream
2	Sucrose esters as co-emulsifier for O/W and W/O	CoE.008 Las Vegas Protection Cream CoE.009 Arctic Protection Cream
3	Sucrose esters as cold emulsifier for O/W	CE.003 Lagom Lotion Sweden
4	Sucrose esters for gel-to-milk (concentrated emulsion technology)	GE.008 Brazilian Conditioning Oil-Gel Treatment GE.010 Mediterranean Cream-To-Oil Massage GE.011 Hamam Argan Oil Gel GE.012 Egyptian Cleopatra Bath Milk
5	Sucrose esters for spray/wipe and serum concepts (concentrated emulsion technology)	SE.005 Relaxing Amsterdam Spray SE.006 Spanish Eyes Serum
6	Sucrose esters for mild cleansing	MC.006 Traveller Cleansing Powder MC.008 Siberian Cleansing Cream
7	Sucrose esters in anhydrous systems	AS.007 Korean Beauty Highlighter AS.008 All Purpose Travellers Balm AS.009 Lipstick Milano AS.010 Californian Gold Rush Eye Shadow AS.011 Mexican Avocado Hair Wax

**Sucrose esters
as main O/W
emulsifier system**

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Sucrose esters as main O/W emulsifier system

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Creating natural emulsions with a luxurious skin feel is a challenging task. This can be achieved with Sisterna® sucrose esters, which are excellent natural oil-in-water (O/W) emulsifiers. Furthermore Sisterna® sucrose esters provide an excellent touch and improve smoothness, emolliency and moisture level of the skin.

O/W emulsions

Sisterna® sucrose esters with a medium to high HLB value are recommended for the development of natural and mild O/W emulsions.

Advised products:

- Sisterna SP30-C/Sisterna SP70-C in a 2/2 ratio for creams
- Sisterna SP30-C/Sisterna SP70-C in a 3/1 ratio for lotions (LLC)
- Sisterna SP50-C

Aerated mousse technology

Sisterna's long experience of using sucrose esters in food mousses, where they give good aeration and firmness to the mousse, resulted in the development of a real cosmetic mousse with a light texture and excellent skin feel.

Advised products:

- Sisterna SP30-C/SP70-C in a 2/2 ratio
- Sisterna SP70-C ensures good aeration
- Sisterna SP30-C provides firmness and stability

Benefits of Sisterna® sucrose esters in O/W emulsions and aerated mousses:

- Show very good emulsification properties with oils of different polarity, including vegetable and mineral oils, medium polarity and silicon oils
- Are suitable emulsifiers for the formation of traditional as well as lamellar liquid crystal type (LLC) emulsions
- Provide an excellent skin feel, largely independent of the oil phase
- Improve skin smoothness, emolliency and moisturisation
- Provide a cooling effect

ME.010 Thai Wellness Body Butter

ME.010

Thai Wellness Body Butter

ID : Main Emulsifier / ME.010
pH-value : 5.3
Viscosity : 83.000 mPa.s Brookfield DV2T, Spindle 93, 5 rpm
Product form : O/W

	Ingredient	INCI-name	% w/w	Supplier
1	Deionised Water	Aqua	46.85	several
	Glycerin 99%	Glycerin	2.50	several
	Keltrol CG-SFT	Xanthan Gum	0.30	CP Kelco
	Amigel	Scleratum Gum	0.50	Alban Muller
	Fruitliquid Pineapple PB	Glycerin, Aqua, Ananas Sativus Fruit Extract	2.00	Crodarom
2	Sisterna SP70-C	Sucrose Stearate	2.00	Sisterna
	Sisterna SP30-C	Sucrose Distearate	2.00	Sisterna
	Jasmine Butter	Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil, Jasminum Officinale Oil	9.00	EFB Biotek
	Lime Butter	Citrus Aurantifolia (Lime) Seed Oil, Hydrogenated Vegetable Oil	9.00	EFB Biote
	Coconut Oil	Cocos Nucifera (Coconut) Oil	6.00	several
	Caprylic/Capric Triglyceride	Caprylic/Capric Triglyceride	6.00	several
	Rice Serum	Oryza Sativa (Rice) Bran Oil, Phytosterols, Olea Europaea (Olive) Oil Unsaponifiables, Tocopherol	7.50	EFB Biotek
	Cetearyl Alcohol	Cetearyl Alcohol	3.00	several
	Tocomix L70-IP	Tocopherol, Helianthus Annuus Seed Oil	0.05	Jan Dekker
	VP 67	Ricinus Communis (Castor) Seed Oil, Hydrogenated Castor Oil, Copernicia Cerifera (Carnauba) Wax	2.00	EFB Biotek
3	Euxyl K 830	Phenoxyethanol, Ethylhexylglycerin, Octenidine HCl	1.00	Schülke
	Malaysian Longan	Parfum	0.30	Luzi
4	Citric Acid (20% Aq. Sol.)	Citric Acid, Aqua	q.s.	several

Production method

1. Add the Amigel and Keltrol CG-SFT to (1) while stirring. Hydrate for 10 minutes until fully incorporated.
2. Heat (1) and (2) to 70°C.
3. Add (2) to (1) while homogenising.
4. Cool down to 40°C while continuously stirring and add (3) to (1+2) while homogenising shortly.
5. Adjust pH with (4) if necessary.

Formulation developed by Matis Specialties (Belgium) - www.matisspecialties.be

ME.012 African Nourishing Lotion

Combining Sisterna SP30-C and Sisterna SP70-C in a 3/1 ratio gives you the ability to create Lamellar Liquid Crystal (LLC) emulsions. The velvet skin feel created by using sucrose esters is enhanced by this LLC emulsions, also providing a higher stability and a controlled release of actives.

ME.012

African Nourishing Lotion

ID : Main Emulsifier / ME.012
pH-value : 5.2
Viscosity : 7.000 mPa.s Brookfield DV2T, Spindle 93, 5 rpm
Product form : O/W

	Ingredient	INCI-name	% w/w	Supplier
1	Deionised Water Glycerin 99% Xilogel HS Actigum VSX 20	Aqua Glycerin Tamarindus Indica Seed Polysaccharide Sclerotium Gum, Xanthan Gum	68.30 4.00 0.25 0.30	several several Indena Cargill
2	Sisterna SP30-C Sisterna SP70-C Cetearyl Alcohol Baobab Oil Manketti Oil Tocopherol oil CLR	Sucrose Distearate Sucrose Stearate Cetearyl Alcohol Adansonia Digitata Seed Oil Schinziophyton Rautanenii Kernel Oil Glycine Soja (Soybean) Oil, Tocopherol	3.00 1.00 2.00 9.00 9.00 1.25	Sisterna Sisterna several Sigma Oil Seeds Zambezi Organics CLR
3	Euxyl K701 Rooibos Herbasol Extract Arty Nomad	Phenoxyethanol, Benzoic Acid, Dehydroacetic Acid, Ethylhexylglycerin Glycerin, Aqua, Aspalathus Linearis Extract Parfum	1.10 0.50 0.30	Schülke Lipoid Kosmetik Luzi
4	Citric Acid (20% Aq. Sol.)	Citric Acid, Aqua	q.s.	several

Production method

1. Heat the deionised water of (1) to 40°C.
2. Premix Xilogel HS and Actigum VSX 20 into the glycerin and add to the water at 40°C. Stir for 15 minutes.
3. Heat (1) and (2) to 70°C.
4. Add (2) to (1) while homogenising.
5. Cool down to 40°C and add (3) to (1+2) while homogenising shortly.
6. Adjust pH if necessary.

ME.013 Swiss Chocolate Body Mousse

Sistema SP70-C ensures good aeration while Sistema SP30-C provides firmness and stability. By dosing the correct heat, shock and long term stabilisers you can keep this product stable for three years. To manufacture this unique specialty product you need a continuous aeration equipment like a Mandomix.

ME.013

Swiss Chocolate Body Mousse

ID	: Main Emulsifier / ME.013
pH-value	: 7.0
Viscosity	: 80.000 mPa.s Brookfield DV-I+, Helipath Spindle T-C, 5 rpm
Density	: 0.6 g/ml
Product form	: O/W

	Ingredient	INCI-name	% w/w	Supplier
1	Deionised Water	Aqua	68.75	several
	Glycerin 99%	Glycerin	5.00	several
	Avicel PC611	Microcrystalline Cellulose, Cellulose Gum	0.50	FMC Biopolymer
	Colorona Imperial Topaz	Mica, CI 77163, CI 77491 CI 77492, CI 77499	0.05	Merck
2	Sisterna SP70-C	Sucrose Stearate	2.00	Sisterna
	Sisterna SP30-C	Sucrose Distearate	2.00	Sisterna
	Kelcogel CG-HA	Gellan Gum	0.15	CP Kelco
	Methocel A4M	Methyl Cellulose	0.10	Dow
	Keltrol CG-SFT	Xanthan Gum	0.20	CP Kelco
3	Lipex Cocoasoft	Theobroma Cacao (Cocoa) Seed Butter	15.50	AAK
	Perilla Oil MM	Perilla Ocymoides Seed Oil	4.00	MMP
	Cetearyl Alcohol	Cetearyl Alcohol	0.50	several
4	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	1.00	Schülke
	Vitamin E Acetate	Tocopheryl Acetate	0.10	several
	Swiss Choco Milk	Parfum	0.15	Luzi

Production method

1. Disperse Avicel PC611 in water of (1) and shear with high shear mixer for 10 minutes. Then add other ingredients of (1).
2. Add (2) to (1) and heat to 85°C.
3. Heat (3) to 85°C.
4. Add (3) to (1+2) while homogenising with a high shear mixer for 3 minutes.
5. Cool down to 20°C while stirring slowly. Then add ingredients of (4).
6. Whip emulsion with a Hobart (batch aeration equipment) until a density of 0.5 is reached.
(approx. 1-3 minutes, depending on batch size) or use Mandomix (continuous aeration equipment).

Legal Notice: Neither Sisterna nor its distributors represent or warrant patent freedom to operate. Whether specific uses of sucrose esters in specific formulations could result in an allegation of patent infringement is an issue that our customers should consider with their own legal counsel. Since sucrose esters have a wide variety of uses, this presentation should not be viewed as an inducement to infringe the intellectual property rights of any third party.

FORMULATION INFORMATION

ME.014 Anime Grey Hair Styling Cream

Sisterna® sucrose esters have a hair softening effect, they contribute to the spreadability of the cream and have good pigment dispersing properties. Furthermore they increase the mildness of a total formulation for a milder effect on the scalp.

ME.014

Anime Grey Hair Styling Cream

ID : Main Emulsifier / ME.014
pH-value : 5.5
Viscosity : 9.000 mPa.s spindle 5, speed 10
Product form : O/W

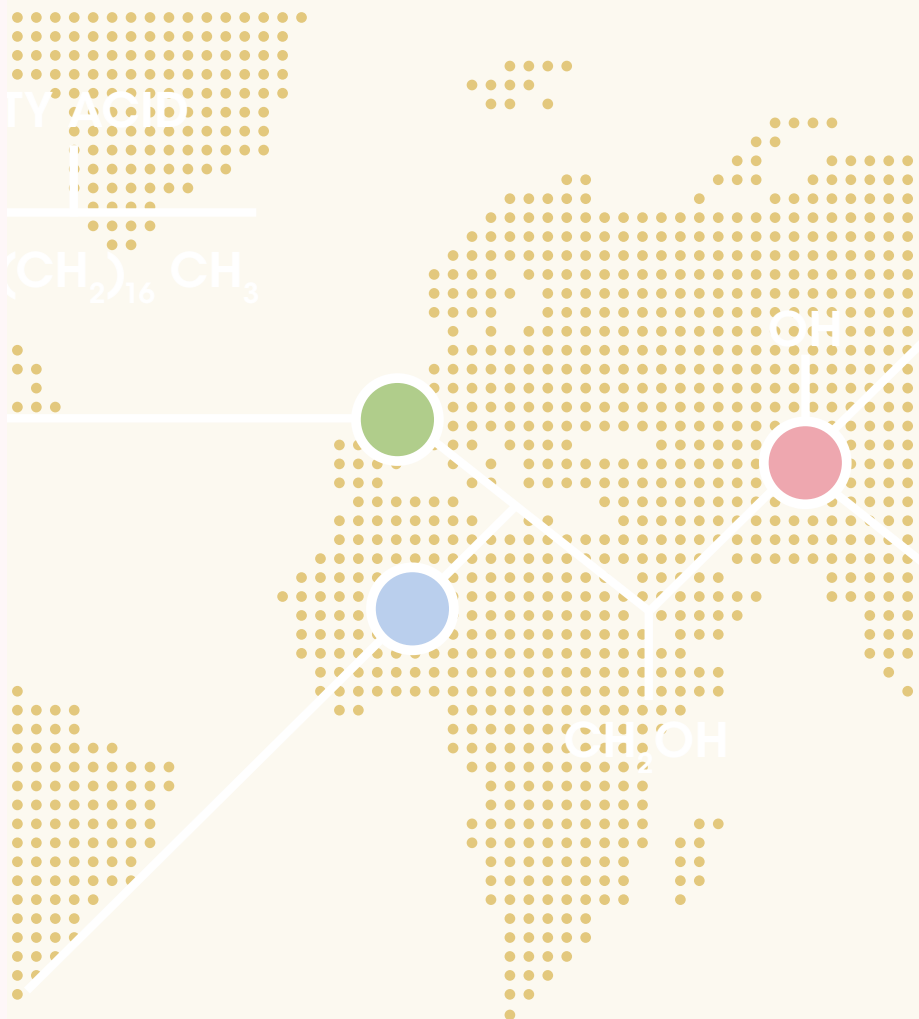
	Ingredient	INCI-name	% w/w	Supplier
1	Deionised Water Disodium EDTA Glycerin 99% Natrasol 250 HRR	Aqua Disodium EDTA Glycerin Hydroxyethylcellulose	59.90 0.10 3.00 0.40	several several several Ashland
2	Sistema SP70-C Sistema SP30-C BRB 1860 Carnauba Wax T1 Baobab Oil KesterWax K-24 KesterWax K-72 Kesterwax K-60P Neossance Hemisqualene	Sucrose Stearate Sucrose Distearate Dimethicone, Dimethiconol Copernicia Cerifera (Carnauba) Wax Adansonia Digitata Seed Oil Lauryl Laurate Behenyl Behenate Behenyl Polydroxystearic Acid, Copernicia Cerifera Cera C13-15 Alkane	4.00 2.00 2.00 3.00 2.00 2.00 3.00 8.00 1.00	Sistema Sistema BRB Koster Keunen Sigma Oil Seeds Koster Keunen Koster Keunen Koster Keunen several
3	PVP K90 Solution 20% PVP/VA W-635	PVP VP/VA Copolymer	4.00 4.00	Ashland Ashland
4	Geoparl C Crystal Titanium Liquid Germall Plus Parfum	Synthetic Fluorhlogopite, Titanium Dioxide, Tin Oxide Propylene Glycol, Diazolidinyl Urea, Iodopropynyl Butylcarbamate Parfum	0.70 0.40 0.50	Geotech Ashland several

Production method

1. Prepare (1) and heat to 70-75°C.
2. Prepare (2) and heat to 70-75°C
3. Add (2) to (1) while homogenising.
4. Prepare (3).
5. Cool down to 40°C and add (3)
6. Add (4) one by one to the production. Mix well after each addition.

Sucrose esters as co-emulsifier for O/W and W/O

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Sucrose esters as co-emulsifier for O/W and W/O

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Creating natural emulsions with a luxurious skin feel is a challenging task. Sisterna® sucrose esters are excellent natural co-emulsifiers for both oil-in-water (O/W) and water-in-oil (W/O) skin care emulsions. Furthermore Sisterna® sucrose esters provide an excellent touch and improve smoothness, emolliency and moisture level of the skin.

O/W emulsions

Sisterna® sucrose esters with a high HLB value are recommended for the development of O/W emulsions.

Advised products:

- Sisterna SP70-C as co-emulsifier with a low HLB food emulsifier, such as glycerylstearate citrate or glyceryl monostearate

Benefits of Sisterna® sucrose esters in O/W emulsions:

- Show very good emulsification properties with oils of different polarity, including vegetable and mineral oils, medium polarity and silicon oils
- Are suitable emulsifiers for the formation of traditional as well as lamellar liquid crystal type emulsions
- Provide an excellent skin feel, largely independent of the oil phase
- Improve skin smoothness, emolliency and moisturisation
- Provide a cooling effect

W/O emulsions

Sisterna® sucrose esters with a low HLB value are recommended for the development of W/O emulsions.

Advised products:

- Sisterna SP01-C or Sisterna SP10-C as co-emulsifier

Benefits of Sisterna® sucrose esters in W/O emulsions:

- Improve the spreading and after skin feel properties of the emulsion
- Eliminate the oily/greasy sensation typical of W/O emulsions

CoE.008 Las Vegas Protection Cream

Sistema SP70-C can be used as a natural co-emulsifier for O/W emulsions. It improves the skin feel and increases the mildness of a formulation. Dosing Sistema SP70-C only as a co-emulsifier is also a good way of using the benefits more economically for mass market products.

CoE.008

Las Vegas Protection Cream

ID : Co-emulsifier / CoE.008
pH-value : 5.5
Viscosity : 46.800 mPa.s Brookfield DV2T, Helipath Spindle 93, 5 rpm
Product form : O/W

	Ingredient	INCI-name	% w/w	Supplier
1	Deionised Water Dermosoft MCA Variante	Aqua Dipropylene Glycol, Caprylyl Glycol, Glyceryl Caprylate	71.47 1.00	several Dr. Straetmans
2	Disodium EDTA	Disodium EDTA	0.10	several
3	Tego Carbomer 340 FD	Carbomer	0.30	Evonik
4	CCT Oil Eusolex HMS Dermofeel BGC Parsol 340 Amisoft HS-11P(F) Sistema SP70-C Dermofeel GSC Cetearyl Alcohol Parsol 1789 Keltrol CG-SFT Dermofeel Toco 70	Caprylic/Capric Triglyceride Homosalate Butylene Glycol Dicaprylate/Dicaprate Octocrylene Sodium Stearoyl Glutamate Sucrose Stearate Glyceryl Stearate Citrate Cetearyl Alcohol Butyl Methoxydibenzoylmethane Xanthan Gum Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	8.00 2.00 3.00 2.00 0.15 2.00 2.00 2.00 0.30 0.20	several Merck Dr. Straetmans DSM Ajinomoto Sistema Dr. Straetmans several DSM CP Kelco Dr. Straetmans
5	NaOH (29% sol.)	Sodium Hydroxide, Water	0.28	several
6	RADICARE-GOLD	Crambe Abyssinica Seed Oil, Beta-Carotene, Xanthophylls, Tocopherol, Helianthus Annuus Seed Oil, Rosmarinus Officinalis (Rosemary) Leaf Extract	3.00	Rahn
7	Dreams Come True	Parfum	0.20	Luzi

Production method

- Mix the ingredients of (1).
- Add (2) to (1).
- Add (3) to the surface of (1+2). Wait until the powder is fully hydrated, mix thoroughly until completely dissolved.
- Heat (1+2+3) to 70°C while stirring.
- Mix the ingredients of (4) and heat to 70°C while stirring.
- Add (4) to (1+2+3) and homogenise.
- Cool down to 40°C while stirring gently.
- Add (5, 6, 7) separately.
- Cool down to room temperature while stirring.

Formulation developed by RAHN AG (Switzerland) - www.rahn-group.com

FORMULATION INFORMATION
CoE.009 Arctic Protection Cream

Dosing Sisterna SP01-C in this heavy duty W/O cream, improves the spreading properties, eliminates the oily or greasy sensation and enhances the after skin feel. It makes the total cream feel like a rich O/W emulsion. The addition of Sisterna A10E-C increases viscosity and improves the sensorial aspect of the final formulation.

CoE.009

Arctic Protection Cream

ID : Co-emulsifier / CoE.009
pH-value : Not applicable
Viscosity : 371.200 mPa.s Brookfield DV2T, Helipath Spindle RV07, 5 rpm
Product form : W/O

	Ingredient	INCI-name	% w/w	Supplier
1	Deionised Water	Aqua	60.40	several
	Magnesium Sulfate 7H2O	Magnesium Sulfate Heptahydrate	0.70	several
	Glycerin 99%	Glycerin	3.00	several
	Snow Algae Powder	Coenochloris Signiensis Extract, Maltodextrin, Lecithin, Aqua	2.00	Mibelle
	Aqua GG	Glyceryl Glucoside	3.00	Gene-Chem
2	Sistema SP01-C	Sucrose Polystearate	1.50	Sistema
	Sistema A10E-C	Sucrose Tetrastearate Triacetate	3.00	Sistema
	Arlacel 1690	Sorbitan Isostearate, Polyglyceryl-3 Polyricinoleate	3.00	Croda
	Olive Squalane	Squalane	7.00	EFB Biotek
	Arnica Oil CLR	Glycine Soja (Soybean) Oil, Arnica Montana Flower Extract, Tocopherol	5.00	CLR
	Probarrier CLR	Aqua, Caprylic/Capric Triglyceride, Copernicia Cerifera (Carnauba) Wax, Decyl Glucoside, Pentylene Glycol	3.00	CLR
	Olive Squalene Wax	Olea Europaea (Olive) Oil unsaponifiables	3.00	EFB Biotek
	Dermofeel Toco 70 non GMO	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	0.50	Dr. Straetmans
	Vegetable Alternative to Lanolin	Butyrospermum Parkii (shea butter), Glyceryl Rosinate, Olea Europaea (Olive) Oil unsaponifiables	3.50	EFB Biotek
3	Fragile Green	Parfum	0.30	Luzi
	Borealine Protect	Glycerin, Picea Mariana Bark Extract	0.10	Lucas Meyer
	Euxyl K830	Phenoxyethanol, Ethylhexylglycerin, Octenidine HCl	1.00	Schulke

Production method

1. Heat (1) until 75°C.
2. Heat (2) until 75°C.
3. Add (1) to (2) while homogenising.
4. Cool down while stirring to 35°C-40°C and add (3).
5. Homogenise shortly.
6. Cool down to room temperature while stirring.

**Sucrose esters as
cold emulsifier for
O/W**

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Sucrose esters as cold emulsifier for O/W

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Cold process emulsifiers are becoming increasingly popular as a way of reducing costs and obtaining a greener production method. Sisterna® sucrose esters are excellent emulsifiers for cold process oil-in-water (O/W) emulsions. Furthermore Sisterna® sucrose esters provide an excellent touch and improve smoothness, emolliency and moisture level of the skin.

O/W emulsions

Sisterna® sucrose esters with a high HLB value are recommended for the development of cold process O/W emulsions.

Advised products:

- Sisterna SP70-C
- Sisterna PS750-C

Benefits of Sisterna® sucrose esters in O/W emulsions:

- Show very good emulsification properties with oils of different polarity, including vegetable and mineral oils, medium polarity and silicon oils
- Easy to use
- Safe and mild
- Provide an excellent skin feel, largely independent of the oil phase
- Improve skin smoothness, emolliency and moisturisation
- Provide a cooling effect

CE.003 Lagom Lotion Sweden

Creating simple but effective formulations with a short INCI list is possible with Sistrina SP70-C. It is mild on the skin, increases moisturisation and has a great skin feel. You can also produce in an environmental friendly way as it is cold processable, while also being readily biodegradable. Perfect for making a no-nonsense cosmetic product.

CE.003

Lagom Lotion Sweden

ID : Cold emulsification / CE.003
pH-value : 4.60
Viscosity : 5.700 mPa.s Brookfield DV2T, Helipath Spindle 92, 5 rpm
Product form : O/W – Cold production

	Ingredient	INCI-name	% w/w	Supplier
1	Glycerin 99% Genuvisco CG131 Keltrol CG-SFT	Glycerin Carrageenan Xanthan Gum	5.00 0.30 0.30	several CP Kelco CP Kelco
2	Deionised Water Nipaguard SCE	Aqua Sorbitan Caprylate, Propanediol, Benzoic Acid	48.80 1.30	several Clariant
3	Lipex PreAct AvenaPlex Sisterna SP70-C Pura	Canola Oil Avena Sativa (Oat) Kernel Extract Sucrose Stearate Parfum	40.00 1.00 3.00 0.30	AAK Oat Cosmetics Sisterna Luzi

Production method

1. Disperse the carrageenan and xanthan gum into the glycerin while stirring.
2. Add (1) into (2) while stirring.
3. Mix Sisterna SP70-C well into the other ingredients of (3).
4. Add phase (3) into phase (1+2) and homogenise for a few minutes.

**Sucrose esters
for gel-to-milk
(concentrated
emulsion technology)**

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Sucrose esters for gel-to-milk (concentrated emulsion technology)

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Concentrated emulsion technology for gel-to-milk concepts Sisterna® sucrose esters with a high HLB value are recommended for the development of oil-in-glycerin (O/G) concentrated emulsions, with the aspect of an oil gel turning into milk when diluted with water upon use.

Advised products:

- Sisterna SP70-C or Sisterna PS750-C alone
- To decrease the viscosity the oil phase can be reduced to 30% as a maximum or Sisterna SP70-C or PS750-C can be combined with Sisterna L70-C

Additional concept information:

- The optimum ratio of oil/glycerin is between 30/70 and 70/30
- Standard homogenisation equipment is used
- Transparent emulsions can be obtained by matching refractive indices of oil and glycerin phase
- Best emulsion stability is obtained with vegetable oils, caprylic/capric triglyceride
- The addition of approx. 5% of water helps reducing viscosity
- Cold production is possible in the case of the combination with Sisterna L70-C

FORMULATION INFORMATION

GE.008 Brazilian Conditioning Oil-Gel Treatment

Massaging oils into the hair to nourish it is a typical Brazilian use. Afterwards these oils are removed with a shampoo. This oil-gel treatment contains 40% of oils for the nourishing effect and it will turn into a milk when in contact with water, making it an easily rinseable 2-in-1 product. It leaves your hair silky smooth due to the softening and conditioning boosting effect of sucrose esters.

GE.008

Brazilian Conditioning Oil-Gel Treatment

ID : Gel-to-milk / GE.008
pH-value : N/A
Viscosity : 4.650 mPa.s Brookfield DV2T, Spindle RV03, 10 rpm
Product form : Gel-to-milk

	Ingredient	INCI-name	% w/w	Supplier
1	Glycerin 99% Sisterna SP70-C Sisterna L70-C	Glycerin Sucrose Stearate Aqua, Sucrose Laurate, Alcohol	54.80 1.00 2.50	several Sisterna Sisterna
2	Andiroba Oil Maracuja Oil Tocomix L70-IP	Carapa Guaianensis Seed Oil Passiflora Edulis Seed Oil Tocopherol, Helianthus Annuus Seed Oil	20.00 20.00 0.10	Expanscience Expanscience Jan Dekker
3	Amazonia Quatin 350 UP	Parfum Hydroxypropyltrimonium Inulin	0.80 0.80	Luzi Cosun

Production method

1. Mix (1) and heat to 70°C.
2. Mix (2) and heat to 70°C.
3. Add (2) to (1) very slowly while homogenising.
4. Cool down to 40°C and add (3). Cool down to room temperature while stirring.

Formulation prepared via concentrated emulsification procedure.

FORMULATION INFORMATION

GE.010 Mediterranean Cream-To-Oil Massage

This formulation does not have the gel-to-milk effect, but it is manufactured with the same technique. The natural silicon replacer gives it a creamy look and when applying it, the cream turns into an easy spreadable oil which has a better skin absorption than standard massage oils. Also a good starting formulation for making any kind of skin treatments.

GE.010

Mediterranean Cream-To-Oil Massage

ID : Gel-to-milk / GE.010
pH-value : N/A
Viscosity : 4.800 mPa.s Brookfield DV2T, Spindle RV03, 10 rpm
Product form : Gel-to-milk

	Ingredient	INCI-name	% w/w	Supplier
1	Glycerin 99% Sisterna SP70-C Cosme-Phytami Porphyra TH Deionised Water	Glycerin Sucrose Stearate Glycerin, Porphyra Umbilicalis Extract Aqua	30.20 2.50 1.00 10.00	several Sisterna Alban Muller several
2	Gilsolide HV Olive Squalene Tocomix L70-IP	Hydrogenated Rapeseed Alcohol, Polyglyceryl-4 Oleate, Glyceryl Oliviate Squalene Tocopherol, Helianthus Annuus Seed Oil	53.30 2.60 0.10	Gilas EFP Biotek Jan Dekker
3	Olivera	Parfum	0.30	Luzi

Production method

1. Mix (1) and heat to 75°C.
2. Mix (2) and heat to 70°C.
3. Add (2) to (1) very slowly while homogenising.
4. Cool down to 40°C and add (3). Cool down to room temperature while stirring.
5. Viscosity will increase over time (48h).

Formulation prepared via concentrated emulsification procedure.

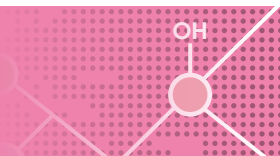
FORMULATION INFORMATION

GE.011 Hamam Argan Oil Gel

A low viscous and thus pumpable shower product which turns into a milk on the skin when in contact with water. Playing with the internal phase enables you to make less viscous products. Also, matching the refractive indices of the oil and glycerin phase makes this product transparent.

GE.011

Hamam Argan Oil Gel



ID : Gel-to-milk / GE.011
pH-value : N/A
Viscosity : 3.170 mPa.s Brookfield DV2T, Spindle RV03, 10 rpm
Product form : Gel-to-milk

	Ingredient	INCI-name	% w/w	Supplier
1	Glycerin 99% Sisterna SP70-C	Glycerin Sucrose Stearate	53.42 2.00	several Sisterna
2	Argan Oil Caprylic/Capric Triglyceride Tocopherol Oil	Argania Spinosa Kernel Oil Caprylic/Capric Triglyceride Glycine Soja (Soybean) Oil, Tocopherol	19.00 19.00 1.00	several several CLR
3	Imperial Oud	Parfum	0.30	Luzi
4	Deionised Water	Aqua	5.28	several

Production method

1. Mix (1) and heat to 70°C.
2. Mix (2) and heat to 75°C.
3. Add (2) to (1) very slowly while homogenising.
4. Cool down to 40°C and add (3). Homogenise shortly.
5. Add (4) while homogenising to obtain transparency.

Formulation prepared via concentrated emulsification procedure.

GE.012 Egyptian Cleopatra Bath Milk

GE.012

Egyptian Cleopatra Bath Milk

ID : Gel-to-milk / GE.012
pH-value : N/A
Viscosity : 3.200 mPa.s Brookfield DV2T, Spindle RV03, 10 rpm
Product form : Gel-to-milk

	Ingredient	INCI-name	% w/w	Supplier
1	Glycerin 99% Sisterna L70-C Sisterna SP70-C	Glycerin Aqua, Sucrose Laurate, Alcohol Sucrose Stearate	30.00 4.00 1.50	several Sisterna Sisterna
2	Olive Oil Caprylic/Capric Triglyceride Vitamine F Forte RCS Rice Bran Serum Euxyl PE9010 Tocopherol Oil CLR Olive Dream	Olea Europaea (Olive) Fruit Oil Caprylic/Capric Triglyceride Linoleic Acid, Linolenic Acid Oryza Sativa (Rice) Bran Oil, Phytosterols, Olea Europaea (Olive) Oil Unsaponiables, Tocopherol Phenoxyethanol, Ethylhexylglycerin Glycine Soja (Soybean) Oil, Tocopherol Parfum	5.00 47.10 3.00 3.50 1.00 2.00 0.90	several several CLR EFP Biotek Schulke CLR Luzi
3	Syricalm CLR Crodarom Papyrus extract	Aqua, Phragmites Karka Extract, Poria Cocos Extract Aqua, Glycerin, Cyperus Papyrus Stem Extract	1.00 1.00	CLR Croda

Production method

1. Mix ingredients of (1).
2. Mix ingredients of (2).
3. Add (2) to (1) very slowly while homogenising.
5. Add (3) while homogenising.

Formulation prepared via concentrated emulsification procedure.

**Sucrose esters for
spray/wipe and serum
concepts (concentrated
emulsion technology)**

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Sucrose esters for spray/wipe and serum concepts (concentrated emulsion technology)

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Concentrated emulsion technology for spray and wipe concepts

Thin liquid oil-in-water emulsions with very small droplet sizes of 0.3 μm can be obtained when producing via a simple intermediate concentrated oil-in-glycerin (O/G) emulsification step. The O/G emulsion is then diluted with water to a final spray or wipe formulation.

Advised products:

- Sisterna PS750-C (cold production, hot production for sprays)
- Sisterna SP70-C (hot production, slightly higher viscosity)

Additional concept information:

- The optimum ratio of oil/glycerin is 50/50
- Standard homogenisation equipment is used
- After emulsification the emulsion is diluted with water containing a stabiliser

Serum formulations

Due to the very small droplet sizes of 0.3 μm , this is also an excellent production method for making serums with a high skin penetration. The serums can require a higher viscosity than the spray and wipe concepts.

Advised products:

- Sisterna SP70-C (hot production, slightly higher viscosity)
- By selecting the right hydrocolloids, viscosity can be increased further

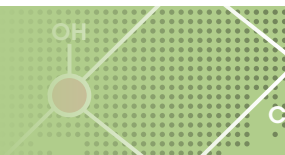
FORMULATION INFORMATION

SE.005 Relaxing Amsterdam Spray

A production technique to make a sprayable formulation without using ethoxylated emulsifiers. With the oil in glycerine intermediate production phase you create stable emulsions with oil droplets of 0.3 micrometer.

SE.005

Relaxing Amsterdam Spray



ID : Spray & Wipe / SE.005
pH-value : 5.5
Viscosity : 4.000 mPa.s Brookfield DV2T, Helipath Spindle 93, 5 rpm
Product form : O/W

	Ingredient	INCI-name	% w/w	Supplier
1	Glycerin 99% Sisterna PS750-C	Glycerin Sucrose Palmitate	5.00 1.00	several Sisterna
2	Hempseed Oil MM Dermafeel Toco 70 non-GMO	Cannabis Sativa Seed Oil Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	4.90 0.10	MMP Dr Straetmans
3	Euxyl PE9010 Matcha & Goji	Phenoxyethanol, Ethylhexylglycerin Parfum	1.00 0.10	Schülke Luzi
4	Deionised Water Keltrol CG-SFT Avicell PC 611	Aqua Xanthan Gum Microcrystalline Cellulose, Cellulose Gum	85.95 0.45 1.50	several CP Kelco FMC
5	Citric Acid (10% sol.)	Citric Acid, Aqua	q.s.	several

Production method

Heating is optional, product can also be made without heating.

1. Disperse Sisterna PS750-C into the glycerin (1) and heat to 70°C.
2. Heat (2) separately to 70°C.
3. Add (2) to (1) while homogenising with a high shear mixer.
4. Add (3) without heating to (1+2) at 70°C and homogenise with a high shear mixer for 1 minute.
5. Add Avicel PC611 to the cold water of (4) and shear for 10 minutes with a high shear mixer until fully incorporated.
7. Add oil in glycerin emulsion (1+2+3) to (4) while mixing.
8. Adjust pH with citric acid (5) if necessary.

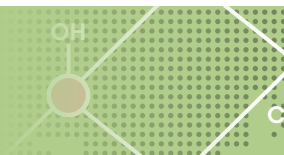
Formulation prepared via concentrated emulsification procedure.

FORMULATION INFORMATION

SE.006 Spanish Eyes Serum

Making an emulsion with an oil in glycerine intermediate phase enables an oil droplet size of 0.3 micrometer. This is very suitable for dosing (oil) actives for a better skin penetration. Effective serums can be made with this technique.

SE.006 Spanish Eyes Serum



ID : Spray & Wipe / SE.006
pH-value : 5.3
Viscosity : 2.000 mPa.s Brookfield DV2T, Spindle 93, 5 rpm
Product form : O/W

	Ingredient	INCI-name	% w/w	Supplier
1	Glycerin 99% Sisterna SP70-C	Glycerin Sucrose Stearate	5.00 1.00	several Sisterna
2	MOT - Maxi Olive 3T-Action	Olea Europaea (Olive) Oil Unsaponifiables, Tocopherol	2.00	EFB Biotek
	Oleosoft-40C	Olea Europaea (Olive) Fruit Oil, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Linum Usitatissimum (Linseed) Seed Oil, Borago Officinalis Seed Oil, Tocopherol	3.00	Phenbiox
	Tocomix L70-IP	Tocopherol, Helianthus Annuus Seed Oil	0.10	Jan Dekker
3	Deionised Water Granulated Amigel	Aqua Sclerotium Gum	66.50 0.75	several Alban Muller
4	Deionised Water JuvenEye	Aqua Bellis Perennis (Daisy) Flower Extract, Hieracum Pilosella (Hawkweed) Extract	14.65 5.00	several CLR
	W TR-Active	Glycerin, Tuber Magnatum Extract, Sodium Benzoate, Potassium Sorbate	1.00	Phenbiox
	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerine	1.00	Schülke
5	NaOH (50% solution)	Sodium Hydroxide	q.s.	several

Production method

1. Disperse Sisterna SP70-C into the glycerin (1).
2. Add (2) to (1) and homogenise with a high shear mixer for 1 minute.
3. Add Amigel to the cold water of (3) and shear for 10 minutes with a high shear mixer until fully incorporated.
4. Add oil in glycerin emulsion (1+2) to (3) while mixing.
5. Add (4) and adjust pH if necessary with (5).

Formulation prepared via concentrated emulsification procedure.

Sucrose esters for mild cleansing

SISTERNA WORLD TOUR



Sucrose esters for mild cleansing

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Water based systems

In the development of body and hair cleansing formulations non-ionic surfactants are added to blends of traditional foaming anionic and amphoteric surfactants to improve mildness. Sisterna® sucrose esters are non-ionic and EO-free surfactants and their interesting and innovative properties make them excellent candidates for this type of products. Especially Sisterna L70-C is recommended for its good foaming properties and suitable for use in transparent formulations.

Advised products:

- Sisterna L70-C
- Alternatively Sisterna PS750-C or Sisterna SP70-C for non-transparent systems

Benefits of Sisterna® sucrose esters in mild cleansing:

- Reduce the irritating properties of anionic surfactants
- Considerably improve the sensorial properties of the formulations, in terms of skin feel and skin mildness
- Emulsify lipids into the cleansing formulation
- Contribute to the conditioning effect in shampoo and conditioners
- Increase viscosity at lower electrolyte concentrations

FORMULATION INFORMATION

MC.006 Traveller Cleansing Powder

A waterless formulation which is suitable for the frequent traveller. Wet your hands and add a little bit of powder for a good cleansing sensation. Sisterna SP70-C increases the mildness, improves the skin feel and gives a creamy effect in this formulation.

MC.006

Traveller Cleansing Powder

CH₂OH

ID : Mild cleansing / MC.006
pH-value : N/A
Viscosity : N/A
Product form : Powder

	Ingredient	INCI-name	% w/w	Supplier
1	FARMAL CS 3757 Tea White	Zea Mays (Corn) Starch Parfum	23.50 1.00	Ingredion Luzi
2	Talc Amisoft LS-11 Amisoft MS-11 Mannitol Sisterna SP70-C Zymo Clear MD Amihope LL Ketrol CG-SFT	Talc Sodium Lauroyl Glutamate Sodium Myristoyl Glutamate Mannitol Sucrose Stearate Maltodextrin, Protease, Lipase Lauroyl Lysine Xanthan Gum	25.00 15.00 15.00 12.00 4.00 3.00 1.00 0.50	Kobo Ajinomoto Ajinomoto several Sisterna I.R.A. Ajinomoto CP Kelco

Production method

1. Mix (1) by adding the perfume slowly to the Zea Mays Starch while mixing until homogeneous.
2. Add ingredients of phase (2) in given order until homogeneous.
3. Sieve the powder.

FORMULATION INFORMATION

MC.008 Siberian Cleansing Cream

A waterless cream with a cleansing effect, in case you do not want to wash yourself with water. Just add the cream to the place that you want to wash, rub it in and wipe it off with a tissue. Sisterna SP70-C leaves the skin soft and increases the mildness of the formulation.

MC.008

Siberian Cleansing Cream

CH₂OH

ID : Mild cleansing / MC.008
pH-value : 6.7
Viscosity : 41.000 mPa.s Brookfield DV2T, Helipath Spindle 93, 5 rpm
Product form : O/W Cream

	Ingredient	INCI-name	% w/w	Supplier
1	Glycerin 99% Kelrol CG SFT	Glycerin Xanthan Gum	19.00 0.30	several CP Kelco
2	Amilite GCS-12K	Sodium Cocoyl Glycinate, Aqua	43.70	Ajinomoto
3	Sisterna SP70-C Stearic Acid Lanette O VAL Vegetable alternative to Lanolin Lipex SheaLight Arnica Oil Tocomix L70-IP	Sucrose Stearate Stearic Acid Cetearyl Alcohol Butyrospermum Parkii (Shea Butter), Glyceryl Rosinate, Olea Europaea (Olive) Oil Unsaponifiables Shea Butter Ethyl Esters Glycine Soja (Soybean) Oil, Arnica Montana Flower Extract, Tocopherol Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	3.50 3.00 6.00 8.00 7.00 8.00 0.05	Sisterna several BASF EFP Biotek AAK CLR Jan Dekker
4	Euxyl PE9010 Signature Swan	Phenoxyethanol, Ethylhexylglycerin Parfum	1.00 0.45	Schülke Luzi
5	NaOH (50% solution)	Sodium Hydroxide	qs	several

Production method

1. Add Xanthan Gum into the glycerin and mix until fully incorporated.
2. Add (2) to (1) and heat to 70°C.
3. Mix the ingredients of (3) and heat to 70°C.
4. Add phase C to (1+2) while stirring at low speed.
4. Cool down to 40°C while stirring.
5. Add (4) to (1+2+3) while stirring.
6. Adjust the pH with NaOH if necessary.

Sucrose esters in anhydrous systems

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Sucrose esters in anhydrous systems

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Sisterna A10E-C is a special sucrose ester grade, obtained by the esterification of sucrose with stearic, palmitic fatty acids and acetic acid. Due to its high degree of esterification, Sisterna A10E-C no longer has surface active properties, resulting in a completely different behaviour compared to all other Sisterna grades. Sisterna A10E-C can be considered as a so called 'sugar wax', which can be used as lipidic phase modifier to influence the rheological and sensorial properties of oils and natural butters.

Advised products:

- Sisterna A10E-C as lipidic phase modifier

Benefits of Sisterna A10E-C in anhydrous systems:

- Thickens or gels many oils as well as silicon oils
- Helps reducing blooming and sweating of sticks
- Improves the sensorial properties
- Improves cohesion of sticks
- Reduces brittleness of sticks
- Excellent binding properties in compact powders

AS.007 Korean Beauty Highlighter

AS.007

Korean Beauty Highlighter

ID : Anhydrous / AS.007

pH-value : Not applicable

Viscosity : Wax

Product form : Solid stick

	Ingredient	INCI-name	% w/w	Supplier
1	Lipex SheaLight	Shea Butter Ethyl Esters	40.84	AAK
	Lipex SMP	Hydrogenated Vegetable oil	7.00	AAK
	Lipex SheaLiquid TR	Butyrospermum Parkii (Shea) Butter	3.00	AAK
	PM Wax 82	Polyethylene, Microcrystalline Wax	5.00	Kobo
	Sisterna A10E-C	Sucrose Tetrastearate Triacetate	6.00	Sisterna
2	Zeodent 167	Silica	1.00	several
3	ASO-I2	Aluminium Starch Octenylsuccinate,	33.00	Kobo
	Amihope LL	Isopropyl Titanium Triisostearate Lauroyl Lysine	3.00	Ajinomoto
4	Parfum	Parfum	0.16	several
5	Kobopearl Perpetual Sheen	Synthetic Fluorophlogopite, Silica, Titanium Dioxide	4.00	Kobo
	Red Gold KTZ Rose	Mica, Titanium Dioxide, Carmine	1.80	Kobo

Production method

1. Heat (1) to 85°C.
2. When liquid and transparent add (2) in (1) under stirring until a complete dispersion is obtained.
3. Add (3) one by one and homogenise after each adding.
4. Cool down until 65°C and add (4) and (5).
5. Fill in in mold when product is still around 65°C.

FORMULATION INFORMATION

AS.008 All Purpose Travellers Balm

A nourishing anhydrous balm that you can use for about everything and which you can easily take on a plane. Moisturising balm, lipbalm, sore spots, dry hands, you name it. Multifunctional and waterless products are becoming more popular among people who have an environmental mindset. Sisterna A10E-C improves the spreadability, because it lets the formula melt near skin temperature. It also improves the absorption of oils and gives a silky after skin feel.

AS.008

All Purpose Travellers Balm

ID : Anhydrous / AS.008
pH-value : N/A
Viscosity : N/A
Product form : Anhydrous balm

	Ingredient	INCI-name	% w/w	Supplier
1	Lipex bassol C	Canola Oil	18.00	AAK
	Caprylic/Capric Triglyceride	Caprylic/Capric Triglyceride	18.00	several
	Sisterna A10E-C	Sucrose Tetrastearate Triacetate	15.00	Sisterna
	APB Apricot Butter	Prunus Armeniaca (Apricot) Kernel Oil, Hydrogenated Vegetable Oil	5.00	EFB Biotek
	VS Olive Squalane	Squalane	15.00	EFB Biotek
	OWB Squalene-Based Olive	Olea Europaea (Olive) Fruit Oil, Olea Europaea (Olive) Oil Unsaponifiables	10.00	EFB Biotek
	Waxy Butter	Ricinus Communis (Castor) Seed Oil, Hydrogenated Castor Oil, Copernicia Cerifera (Carnauba) Wax, Beeswax	17.00	EFB Biotek
	VPT185 Vegetable Petrolatum Transparent 185	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	0.10	Jan Dekker
	Tocomix L70-IP			
2	Orange Mega	Aroma	1.90	Luzi

Production method

1. Heat phase (1) to 80°C and stir ingredients until homogenous.
2. Cool phase (1) down to 50°C.
3. Add (2) to (1) and stir until homogenous.
4. Fill the product in a suitable packaging at 40-45°C.

FORMULATION INFORMATION

AS.009 Lipstick Milano

Sisterna A10E-C makes the lipstick stronger but also more bendable, making it less easy to break. The amount of waxes with a high melting point can be reduced and sensorial properties are improved. It also improves the spreadability, because Sisterna A10E-C enables the formula to melt near skin temperature. Furthermore it helps reducing blooming and sweating of sticks. Sisterna SP10-C provides more gloss and creaminess.

AS.009

Lipstick Milano

ID : Anhydrous / AS.009
pH-value : -
Viscosity : -
Product form : Solid stick

	Ingredient	INCI-name	% w/w	Supplier
1	Sisterna A10E-C	Sucrose Tetrastearate Triacetate	10.00	Sisterna
	Sisterna SP10-C	Sucrose Polystearate	1.00	Sisterna
	Candelilla Wax	Euphorbia Cerifera (Candelilla) Wax	4.50	Koster Keunen
	Carnauba Wax T1	Copernicia Cerifera (Carnauba) Wax	2.00	Koster Keunen
	Permulin 3230	Ozokerite	4.50	Koster Keunen
	Kesterwax K82 P	Synthetic Beeswax	3.00	Koster Keunen
	Sunflower Wax	Helianthus Annuus (Sunflower) Seed Wax	4.20	Koster Keunen
	CCT Oil	Caprylic/Capric Triglyceride	24,41	several
	Isostearyl Isostearate	Isostearyl Isostearate	25.00	several
	TeCero-Wachs®30332cs	Hydrogenated Microcrystalline Wax, Synthetic Wax	6.29	TH.C.TROMM
2	Dermofeel Toco 70	Tocopherol	0.10	Dr. Straetmans
	COD 8001	Castor (Ricinus Communis) Oil, CI 15850	2.45	Sun Chemical
	COD 8003	Castor (Ricinus Communis) Oil, CI 15850	0.55	Sun Chemical
	COD 8009	Castor (Ricinus Communis) Oil, CI 19140	3.40	Sun Chemical
	COD 8008	Castor (Ricinus Communis) Oil, CI 77891	7.60	Sun Chemical
3	Bungo	Parfum	1.00	Luzi

Production method

1. Before starting: spray silicone release spray in mould and put in oven at 45°C.
2. Weigh (1) in beaker and put in water bath to melt to 85°C.
3. Add (2) into (1) and homogenise.
4. Then add (3) and stir for 1 minute.
5. Take mould out of the oven and pour the mixture into the mould.
6. Allow to cool down for 20 minutes at room temperature.
7. Take the top part of the mixture out of the mould with the scraping spatula.
8. Put the mould in the freezer for 20 minutes.
9. Put the lipsticks in the cases.

AS.010 Californian Gold Rush Eye Shadow

This golden eye shadow contains Sisterna A10E-C as a binder, but also as a skin softening and spreadability improving ingredient. It results in a soft sensation when applying and gives a nice after feel.

AS.010

Californian Gold Rush Eye Shadow

ID : Anhydrous / AS.010

pH-value : N/A

Viscosity : N/A

Product form : Pressed Powder

	Ingredient	INCI-name	% w/w	Supplier
1	Sunrise SVA	Mica, Lauroyl Lysine	10.00	Geotech
	Sunrise 970	Mica	7.00	Geotech
	Magnesium Stearate	Magnesium Stearate	7.00	several
	Talc	Talc	21.00	several
	Sisterna A10E-C	Sucrose Tetrastearate Triacetate	5.00	Sisterna
2	Geoparl C Crystal	Synthetic Fluorphlogopite, Titanium Dioxide, CI 77491	30.00	Geotech
	Bright Sun Gold	Synthetic Fluorphlogopite, Titanium Dioxide, CI 77491	10.00	Geotech
3	BRB DM5	Dimethicone	5.00	BRB
	BRB SG 212	Cyclopentasiloxane, Dimethicone Crosspolymer	5.00	BRB

Production method

1. Thoroughly blend (1) in a blender.
2. Add (2) and mix till uniform.
3. Make a premix of (3), add to production and mix till uniform.
4. Press the powder with 150 bar for 30 seconds.

AS.011 Mexican Avocado Hair Wax

AS.011

Mexican Avocado Hair Wax

ID : Anhydrous / AS.011

pH-value : N/A

Viscosity : N/A

Product form : Anhydrous balm

	Ingredient	INCI-name	% w/w	Supplier
1	VAW Vegetable Alternative to Lanolin Wax	Glyceryl Rosinate, Ricinus Communis Seed Oil, Hydrogenated Vegetable Oil	40.00	EFP Biotek
	Sisterna A10E-C	Sucrose Tetrastearate Triacetate	15.00	Sisterna
	Hempseed Oil MM	Cannabis Sativa Seed Oil	5.00	MMP Inc.
	VS Olive Squalane	Squalane	23.00	EFP Biotek
	HSBO Vegetable Alternative to Beeswax #1	Hydrogenated Soybean Oil	7.50	EFP Biotek
	AVS Avocado Serum	Persea Gratissima (Avocado) Oil, Phytosterols, Olea Europaea (Olive) Oil	7.50	EFP Biotek
	Tocomix L70-IP	Unsaponifiables, Tocopherol Tocopherol, Helianthus Annuus Seed Oil	0.10	Jan Dekker
2	Style Me	Parfum	1.90	Luzi

Production method

1. Heat (1) to 80°C and stir ingredients until homogenous.
2. Cool (1) down to 50°C.
3. Add (2) to (1) and stir until homogenous.
4. Fill the product in a suitable packaging at 40-45°C.

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