



## GET READY FOR SIMPLICITY

Sasol's solutions for multifunctionality



# About us

We at Sasol Chemicals innovate for a better world and deliver long-term value to our customers, communities and society.

Our broad portfolio of high-value products plays an integral role in the creation of numerous solutions that benefit the lives of millions of people.

Thousands of companies around the world leverage our technology, world-class facilities, expertise and collaborative approach to tackle their challenges.

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## Our lives get busier by the minute.

**Hence, the longing for simplicity increases accordingly. Yet, when looking into our beauty routine how do we maintain all the functionality and benefits we have gotten to love with fewer products or fewer steps?**

Enter: multifunctionality. This major market trend unites the overarching desire for simplicity, sustainability and minimalism in the use of multifunctional products. May it be 3-in-1 hair care products, micellar waters to combine cleansing, make-up removing and toning or simple all-rounder creams that can be used for face, hand, foot and body. Multifunctionality offers a whole variety of different options and solutions to less clutter in the bathroom resulting in a more simplified and sustainable lifestyle. No wonder the beauty industry is constantly looking for new options to meet this trend and help consumers find the peace of mind they are longing for while remaining loyal to their brands.

Sasol's product portfolio is set up to support you in developing these multifunctional products consumers are asking for. Our COSMACOL esters are the perfect examples of how to unite the benefits of emollients with moisturization, sebum regulation or pigment dispersion. This makes them the ideal candidates for all things considered skin care. For cleansing products our new sustainable CARINEX range brings ultra-mildness and sebum regulation into the formulation while gently washing your hair or skin, offering a new dimension for your products. For skin and sun care CERALUTION emulsifiers are the option of choice to deliver high UV-filter efficiency coupled with an outstanding skin feel.

**Get ready for simplicity!**

# Sasol's solutions for multifunctionality

Product	INCI name	Benefits	Formulations
<b>CARINEX SL-A</b>	Glycolipids	<ul style="list-style-type: none"> <li>High-foaming, ultra-mild multifunctional biosurfactant</li> </ul>	<ul style="list-style-type: none"> <li>Bye bye acne cleanser ..... p. 14</li> <li>Care for me micellar water ..... p. 15</li> <li>Oh so mild shower gel ..... p. 16</li> <li>Wash me clean hand foam ..... p. 17</li> </ul>
<b>CARINEX SL-L</b>	Glycolipids	<ul style="list-style-type: none"> <li>Low foaming, ultra-mild multifunctional biosurfactant</li> </ul>	<ul style="list-style-type: none"> <li>Bye bye acne cleanser ..... p. 14</li> <li>Care for me micellar water ..... p. 15</li> <li>Oh so mild shower gel ..... p. 16</li> <li>Wash me clean hand foam ..... p. 17</li> </ul>
<b>CERALUTION ES</b>	Ceteareth-25 (and) Disodium Ethylene Dicotamide PEG-15 Disulfate	<ul style="list-style-type: none"> <li>Emulsifier</li> <li>Dispersant for O/W emulsion sprays</li> </ul>	<ul style="list-style-type: none"> <li>Brighter days sunscreen spray (SPF 50+) ..... p. 24</li> </ul>
<b>CERALUTION H</b>	Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicotamide PEG-15 Disulfate	<ul style="list-style-type: none"> <li>Highly efficient</li> <li>Elegant silky skin feel</li> <li>Ensures high filter efficiency in sunscreens</li> <li>Flexible for all oil polarities</li> <li>High electrolyte tolerance</li> <li>High pH tolerance 4 to 10</li> </ul>	<ul style="list-style-type: none"> <li>Sweet dreams night cream ..... p. 11</li> <li>Cover me up CC lotion ..... p. 12</li> <li>Stormy days all-in-one cream ..... p. 18</li> <li>Cover me in velvet hand cream ..... p. 19</li> <li>Happy feet urea foot cream ..... p. 20</li> <li>Sunny days kids sunscreen (SPF 30) ..... p. 23</li> <li>Sunset aftersun milk ..... p. 26</li> <li>Fresh feel deo cream ..... p. 27</li> </ul>
<b>COSMACOL EBL</b>	C12-15 Alkyl Benzoate	<ul style="list-style-type: none"> <li>Excellent emollient with very light touch</li> <li>Solvent for sunscreen filters</li> </ul>	<ul style="list-style-type: none"> <li>Cover me up CC lotion ..... p. 12</li> <li>Cover me in velvet hand cream ..... p. 19</li> <li>Block the heat sun stick (SPF 50) ..... p. 22</li> <li>Sunny days kids sunscreen (SPF 30) ..... p. 23</li> <li>Brighter days sunscreen spray (SPF 50+) ..... p. 24</li> <li>Summer lovin sunscreen spray (SPF 30) ..... p. 25</li> </ul>

Product	INCI name	Benefits	Formulations
<b>COSMACOL ECL</b>	Tri-C14-15 Alkyl Citrate	<ul style="list-style-type: none"> <li>• Emollient for greasy skin, mild keratolytic properties</li> <li>• Low melting point wax</li> <li>• Good viscosity regulator for creams and lotions</li> <li>• Spreading agent for pigments</li> </ul>	<ul style="list-style-type: none"> <li>• Sweet dreams night cream ..... p. 11</li> <li>• Stormy days all-in-one cream ..... p. 18</li> <li>• Cover me in velvet hand cream ..... p. 19</li> <li>• Happy feet urea foot cream ..... p. 20</li> </ul>
<b>COSMACOL ELI</b>	C12-13 Alkyl Lactate	<ul style="list-style-type: none"> <li>• Moisturizing emollient, mild keratolytic properties</li> <li>• Body odour reducing agent</li> <li>• Pigment dispersing and wetting agent</li> </ul>	<ul style="list-style-type: none"> <li>• 2-in-1 soothing shampoo ..... p. 8</li> <li>• Ageless beauty day cream ..... p. 10</li> <li>• Bring me balance cleansing foam ..... p. 13</li> <li>• Bye bye acne cleanser ..... p. 14</li> <li>• Happy feet urea foot cream ..... p. 20</li> <li>• Sunny days kids sunscreen (SPF 30) ..... p. 23</li> <li>• Fresh feel deo cream ..... p. 27</li> </ul>
<b>COSMACOL EMI</b>	Di-C12-13 Alkyl Malate	<ul style="list-style-type: none"> <li>• Outstanding skin feel</li> <li>• Moisturizing agent</li> <li>• Sebum regulator</li> </ul>	<ul style="list-style-type: none"> <li>• Ageless beauty day cream ..... p. 10</li> <li>• Sweet dreams night cream ..... p. 11</li> <li>• Cover me up CC lotion ..... p. 12</li> <li>• Care for me micellar water ..... p. 15</li> <li>• Stormy days all-in-one cream ..... p. 18</li> <li>• Happy feet urea foot cream ..... p. 20</li> <li>• Healthy feet anti sore rub stick ..... p. 21</li> <li>• Block the heat sun stick (SPF 50) ..... p. 22</li> <li>• Sunny days kids sunscreen (SPF 30) ..... p. 23</li> <li>• Summer lovin sunscreen spray (SPF 30) ..... p. 25</li> <li>• Sunset aftersun milk ..... p. 26</li> </ul>
<b>COSMACOL OE</b>	Dicaprylyl ether	<ul style="list-style-type: none"> <li>• Very light and highly spreading emollient</li> <li>• Solvent for actives</li> <li>• Suitable for wide pH ranges</li> <li>• Reduces tackiness</li> </ul>	<ul style="list-style-type: none"> <li>• Cover me up CC lotion ..... p. 12</li> <li>• Cover me in velvet hand cream ..... p. 19</li> <li>• Block the heat sun stick (SPF 50) ..... p. 22</li> <li>• Sunny days kids sunscreen (SPF 30) ..... p. 23</li> <li>• Brighter days sunscreen spray (SPF 50+) ..... p. 24</li> <li>• Summer lovin sunscreen spray (SPF 30) ..... p. 25</li> </ul>

## 2-in-1 soothing shampoo

No. 15825

Itchiness, dry skin and the overall unpleasant feeling of just not quite being yourself is a common part of your life when suffering from a sensitive scalp. Using COSMACOL ELI ester as moisturizing agent helps overcome these issues while reducing the irritation level of other surfactants used. Making it the ideal multifunctional candidate to calm your scalp while cleaning your hair. **Watch out world!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	MARLINAT 242/70 C RSPO-MB	1	Sodium Laureth Sulfate	12.0	Base surfactant, high foaming power
	Demin. water		Aqua	30.0	
B	MARLOSOL PK 9040	1	Laureth-4	2.0	Nonionic surfactant, emulsifier
	COSMACOL ELI	1	C12-13 Alkyl Lactate	0.3	Moisturizing emollient
	Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
	Tego Betain F 50	3	Cocamidopropyl Betaine	6.0	Co-surfactant
	Plantacare 1200 UP	16	Lauryl Glucoside	1.0	Co-surfactant
	Allantoin		Allantoin	0.1	Active care agent
	Nicotinamid		Niacinamide	0.2	Active care agent
	Perfume "Fruity"	27	Parfum (EU) / Fragrance (US)	0.3	
	Preservative			q.s.	Preservative
	Demin. water		Aqua	Add to 100	
C	U-Care Polymer J 400	75	Polyquaternium 10	0.3	Quaternary conditioning agent
	Demin. water		Aqua	25.0	
D	NaCl		Sodium Chloride	1.5	Thickening agent

### Preparation:

1. Homogenize phase (A)
2. Add phase (B) to (A) and homogenize
3. Adjust the pH-value to pH 6
4. Add phase (C) to (AB) and homogenize
5. Add phase (D) to phase (ABC) and homogenize.

### Viscosity (Haake, RS1, 10s<sup>-1</sup>):

~ 10.000 mPas, 20°C

### Storage stability in terms of appearance:

Stable at room temperature, 8°C and 40°C for at least 3 months

### Appearance:

liquid, transparent

### \*Supplier:

- 1 Sasol Chemicals
- 3 Evonik Industries
- 4 Alfa Aesar
- 16 BASF SE
- 27 drom fragrances
- 75 The Dow Chemical Company







## Extra luxurious 3-in-1 hair butter

No. 15450

Sun, hair dyes and straightening can be hard on your hair. Time for an all-in-one versatile treatment! This 3-in-1 hair butter functions as mask, split end serum or conditioner and gives you extra space in the shower while boosting your hair care routine to the next level. Using a combination of the natural silicone replacements PARAFOL 12 RSPO-MB and PARAFOL 22-95 brings the perfect balance between conditioning and lightweight hair feel. Time to give your hair that extra level of care it desires. **Bye bye bad hair day!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	Demin. water		Aqua	Add to 100	
	Glycerine		Glycerin	3.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
B	GALENOL 1618 AE RSPO-MB	1	Cetearyl Alcohol (and) Ceteareth-20	3.0	Nonionic self-emulsifying mixture for O/W-emulsions
	NAFOL 1618 H RSPO-MB	1	Cetearyl Alcohol	3.0	Co-emulsifier, consistency regulator
	PARAFOL 12 RSPO-MB	1	Dodecane	1.0	Secondary hair conditioning agent
	PARAFOL 22-95	1	Docosane	1.0	Secondary hair conditioning wax
	COSMACOL OE	1	Dicaprylyl Ether	2.0	Very light, good spreading emollient
	TITANEL	1	Synthetic Wax	2.0	Consistency regulator
	Shea butter	32	Butyruspermum Parkii Butter	1.0	Natural butter
C	Carbopol Ultrez 10 Polymer (w = 0.03)	30	Carbomer	5.0	Thickening and stabilizing agent
D	Preservative			q.s.	
	Perfume „Commage“	27	Parfum (EU) / Fragrance (US)	q.s.	
	NaOH (w = 0.01)		Sodium Hydroxide	q.s.	Neutralizing agent

### Preparation:

1. Heat phase (A) and (B) separately to 70°C
2. Add phase (B) to (A) and homogenize
3. Cool to 35°C and add phase (C) and (D) and homogenize

### Viscosity (Haake, RS1, 1s<sup>-1</sup>):

~ 35.000 mPas, 25°C

### Storage stability in terms of appearance:

Stable at room temperature, 40°C and 50°C for at least 3 months

### \*Supplier:

- 1 Sasol Chemicals
- 5 CP Kelco
- 27 drom fragrances
- 30 Lubrizol Advanced Materials
- 32 Gustav Heess



## Ageless beauty day cream

No. 16258

Fine lines, crow's feet and changing skin are a natural part of maturing skin. Yet, no one wants them. The combination of COSMACOL EMI and ELI gives your skin the moisturization it needs to prevent dry skin while fighting first wrinkles.

**Welcome ageless beauty!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	MARLIPAL 24/70	1	Laureth-7	0.5	Water-soluble emulsifier
	LIPOXOL 6000 MED	1	PEG-150	2.0	Moisturizing, solubilizing and viscosity adjusting agent
	Demin. water		Aqua	Add to 100	
	Glycerine		Glycerin	3.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
	Nicotinamide		Nicotinamide	3.0	Skin caring emollient
	Disodium EDTA		Disodium EDTA	0.1	Chelating agent
B	NACOL 20-95	1	Arachidyl Alcohol	3.0	Emulsion stabilizer, viscosity increasing agent
	NAFOL 1618 H RSPO-MB	1	Cetearyl Alcohol	2.0	Emulsion stabilizer, viscosity increasing agent
	COSMACOL ELI	1	C12-13 Alkyl Lactate	1.0	Moisturizing emollient, sebum regulating
	COSMACOL EMI	1	Di-C12-13 Alkyl Malate	1.0	Wrinkle reduction, moisturizing emollient
	ISOFOL 16	1	Hexyldecanol	3.0	Medium spreading emollient
	PARAFOL 14 RSPO-MB	1	Tetradecane	1.0	Good spreading emollient, replacement for Isoalkanes
	PARAFOL 22-95	1	Docosane	2.0	Replacement for Dimethicone
	Shea butter	32	Butyruspermum Parkii Butter	2.0	Natural butter
	Tocopherol acetate	4	Tocopherol Acetate	0.3	Active care agent
	Tocopherol	4	Tocopherol	0.1	Antioxidant
D	HYA-ACT XS	58	Hyaluronic acid		Wrinkle reduction
	Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
	Demin. water		Aqua		
E	Carbopol Ultrez 20 Polymer (w = 0.03)	30	Acrylates / C! = -30 Alkyl Acrylate Crosspolymer	7.5	Active care agent
	Perfume		Parfum (EU) / Fragrance (US)	q.s.	
F	Preservative			q.s.	

### Preparation:

- Heat phase (A) and (B) separately to 70°C
- Add phase (B) to (A) and homogenize
- Cool to 35°C and add phase (C), (D) (E) and (F) and homogenize
- Adjust the pH-value to pH 5.5 - 6.0

### Viscosity (Haake, RS1, 1s<sup>-1</sup>):

~ 43.000 mPas, 25°C

### Storage stability in terms of appearance:

Stable at room temperature, 40°C and 50°C for at least 3 months

### \*Supplier:

- 1 Sasol Chemicals
- 4 Alfa Aesar
- 5 CP Kelco
- 30 Lubrizol Advanced Materials
- 32 Gustav Heess
- 58 Nordmann, Rassmann

## Sweet dreams night cream

No. 16259

Repairing your skin in your sleep does not have to be a dream any longer. Wake up with a beautiful glow and over time reduced crow's feet and wrinkles provided by a combination of CERALUTION H and COSMACOL emollients, like ECL and EMI. **Hello, sleeping beauty!**



Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	Demin. water		Aqua	Add to 100	
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent / hydrocolloid
	Glycerine		Glycerin	2.0	Moisturizing agent
B	CERALUTION H RSPO-MB	1	Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicoamide PEG-15 Disulfate	4.0	Emulsifier / reduces crow's feet wrinkles / moisturizer
	NAFOL 1618 H RSPO-MB	1	Cetearyl Alcohol	2.0	Co-emulsifier / consistency regulator
	COSMACOL EMI	1	Di-C12-13 Alkyl Malate	3.0	Wrinkle reduction, moisturizing emollient
	COSMACOL ECL	1	Tri-C14-15 Alkyl Citrate	1.0	Medium spreading emollient
	ISOFOL 20 RSPO-MB	1	Octyldodecanol	7.5	Medium spreading emollient
	Bees wax	32	Cera Alba	1.00	Natural wax
	Shea butter	32	Butyruspermum Parkii (Shea) Butter	2.00	Natural butter
	Aloe Vera gel		Aloe Barbadensis Leaf Juice	0.5	Active care agent
C	Tocopherol	4	Tocopherol	0.3	Antioxidant
D	Demin. water		Aqua	10.0	
	Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
E	Demin. water with 3% Carbopol Ultrez 10	30	Carbomer	10.0	Thickening agent
F	Preservative			q. s.	Preservative
	NaOH (w = 0.2)		Sodium Hydroxide	q. s.	pH-adjustment (~ pH 6.0)
	Perfume "Mira Bai"	27	Parfum (EU) /Fragrance (US)	q. s.	

### Preparation:

- Heat phase (A) and (B) separately to 70°C
- Add phase (B) to (A) and homogenize
- Cool to 35°C and add phase (C), (D) and (E) to (AB) and homogenize
- Add phase (F) to (ABCDE) and homogenize

### Viscosity (Haake, RS 1, 1s<sup>-1</sup>):

~ 51,000 mPas, 25°C

### Storage stability in terms of appearance:

Stable at room temperature, 40°C and 50°C for at least 3 months

### Appearance:

viscous

### \*Supplier:

- 1 Sasol Chemicals
- 4 Alfa Aesar
- 5 CP Kelco
- 27 drom fragrances
- 30 Lubrizol Advanced Materials
- 32 Gustav Heess

# Cover me up CC lotion

No. 15842

No time in the morning, yet that important job interview online is lurking around the corner? Save time using a CC lotion - cream, serum, make-up all wrapped in one neat package. Apply this mixture of COSMACOL EBL and EMI for extra moisture and pore minimization and you are good to go. **New job here I come!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	Demin. water		Aqua	Add to 100	
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent / hydrocolloid
	Glycerine		Glycerin	5.0	Moisturizing agent
B	CERALUTION H RSPO-MB	1	Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicoamide PEG-15 Disulfate	3.0	Emulsifier / reduces crow's feet wrinkles / moisturizer
	NAFOL 16185 RSPO-MB	1	Cetearyl Alcohol	1.0	Co-emulsifier / consistency regulator
	ISOFOL 20 RSPO-MB	1	Octyldodecanol	3.0	Medium spreading emollient
	PARAFOL 12 RSPO-MB	1	Dodecane	5.0	Fast spreading emollient, replacement for cyclomethicone
	Cocoa butter	32	Theobroma Cacao Seed Butter	1.0	Natural butter
B1	COSMACOL EBL	1	C12-15 Alkyl Benzoate	5.0	Solubilizing agent
	COSMACOL EMI	1	Di-C12-13 Alkyl Malate	3.0	Wrinkle reduction, moisturizing emollient
	Soft Tex White C47-7756	58	CI 77891	6.0	Colour agent
	Soft Tex Black C33-5000	58	CI 77499	0.1	Colour agent
	Soft Tex Yellow C33-1700	58	CI 77492	1.25	Colour agent
	Soft Tex Red C33-2199	58	CI 77491	0.2	Colour agent
Soft Tex Brown C33-7715	58	CI 77491, CI 77492, CI 77499	0.3	Colour agent	
C	Demin. water		Aqua	10.0	
	Panthenol (w = 0.75)	64	Panthenol	1.0	Active care agent
D	Preservative			q. s.	Preservative
	Perfume		Parfum (EU) / Fragrance (US)	q. s.	

#### Preparation:

- Heat phase (A) and (B) separately to 70°C
- Homogenize phase (B1) and add (B1) to (B), homogenize
- Add phase (B/B1) to (A) and homogenize
- Cool to 35°C and add phase (C) to (AB) and homogenize
- Add phase (D) to (ABC) and homogenize
- Adjust the pH-value

**Viscosity (Haake, RheoStress 1, 1s<sup>-1</sup>):**  
~ 21,000 mPas, 25°C

**Storage stability in terms of appearance:**  
Stable at room temperature, 40°C and 50°C for at least 3 months

**Appearance:**  
viscous

#### \*Supplier:

- 1 Sasol Chemicals
- 5 CP Kelco
- 32 Gustav Heess
- 58 Nordmann, Rassmann
- 64 DSM



## Bring me balance cleansing foam

No. 13762

Washing dry and sensitive skin can often result in tightness and itching, leading to a usage of several products to overcome these negative side effects. COSMACOL OE and ELI esters are great options to bring extra care and moisturization into your cleanser while reducing their irritancy. This can help to minimize the amount of products being used and as a result limiting skin reactions helping your skin to come back into balance. **Hello simplicity!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	MARLINAT 242/90 MC	1	MIPA Laureth Sulfate (and) Propylene Glycol	10.0	Base surfactant, high foaming power
	RSPO-MB				
	MARLOSOL PK 9040	1	Laureth-4	1.5	Nonionic surfactant, emulsifier
	Jojoba oil	32	Simmondsia Chinensis Seed Oil	0.8	Natural oil
B	COSMACOL OE	1	Dicaprylyl Ether	0.3	Very light, good spreading emollient
	Plantacare 1200 UP	16	Lauryl Glucoside	0.3	Co-surfactant
	Glycerine		Glycerin	0.3	Moisturizing agent
	COSMACOL ELI	1	C12-13 Alkyl Lactate	0.3	Moisturizing emollient
	Perfume "Commage"	27	Parfum (EU) / Fragrance (US)	0.2	
B	Tego Betain F 50	3	Cocamidopropyl Betaine	5.0	Co-surfactant
	NaCl		Sodium Chloride	1.5	
	Demin. water		Aqua	25.0	
C	Demin. water		Aqua	Add to 100	
D	Preservative			q.s.	Preservative
	D-Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent

### Preparation (at room temperature):

1. Homogenize phase (A) and (B) separately
2. Add phase (B) to (A) and homogenize
3. Add phase (C) to (AB) and homogenize
4. When phase (ABC) is transparent add phase (D) and homogenize
5. Adjust the pH-value

### Foam quality:

fine and dense

### Storage stability

in terms of appearance:  
Stable at 8°C, room temperature and 40°C for at least 3 months

### Appearance:

liquid, slightly yellow, transparent

### \*Supplier:

- 1 Sasol Chemicals
- 3 Evonik Industries
- 4 Alfa Aesar
- 16 BASF
- 27 drom fragrances
- 32 Gustav Heess



## Bye bye acne cleanser

No. 16210

Acne and oily skin often impact your overall wellbeing. The sustainable multifunctional CARINEX SL-A helps to clean your skin gently while balancing the sebum production. COSMACOL ELI additionally contributes moisturization benefits and anti-acne properties. **Say goodbye to acne and hello to beautiful skin!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	Salicylic acid		Salicylic Acid	0.5	Anti-acne agent
	Glycerine		Glycerin	2.0	Moisturizing agent
	Propylene Glycol		Propylene Glycol	2.0	Solubilizing agent
B	<b>CARINEX SL-A (w = 0.6)</b>	1	<b>Glycolipids</b>	<b>6.6</b>	<b>Ultra-mild biosurfactant</b>
	<b>MARLINAT 242/70 C RSPO-MB</b>	1	<b>Sodium Laureth Sulfate</b>	<b>8.6</b>	<b>Surfactant, high foaming power</b>
	<b>COSMACOL ELI</b>	1	<b>C12-13 Alkyl Lactate</b>	<b>0.2</b>	<b>Moisturizing emollient</b>
	Tego Betain F 50	3	Cocamidopropyl Betaine	5.3	Co-surfactant
	D-Panthenol (w = 0.75)	4	Panthenol	0.5	Active care agent
	Disodium EDTA		Disodium EDTA	0.1	Chelating agent
	Tocopherol	4	Tocopherol	0.1	Antioxidant
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.1	
	Antil 200	3	PEG-200 Hydrogenated Glycerol Palmate (and) PEG-7 Glyceryl Cocoate	1.5	Thickening agent
	Preservative			q.s.	Preservative
	Demin. water		Aqua	Add to 100	
C	NaCl		Sodium Chloride	2.5	

### Preparation:

1. Homogenize phase (A)
2. Add phase (B) to (A) and homogenize
3. Adjust the pH-value to pH 4.5 – 5.5
4. Add phase (C) to (AB) and homogenize

### Storage stability in terms of appearance:

Stable at room temperature, 8°C and 40°C for at least 3 months

### Appearance:

liquid, transparent

### \*Supplier:

- 1 Sasol Chemicals
- 3 Evonik Industries
- 4 Alfa Aesar
- 27 drom fragrances

## Care for me micellar water

No. 16135

Having one product for several purposes is the ideal scenario for multifunctionality. Micellar water is a great option in this case, functioning as make-up remover, cleanser and toner. Additionally, the combination of CARINEX SL-A and SL-L cleans your skin gently without any irritation and COSMACOL EMI brings in the extra moisturization kick. One small powerful package to replace three products in your bathroom.

**Multifunctionality at its best!**



Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
	CARINEX SL-A (w = 0.6)	1	Glycolipids	3.3	Ultra-mild biosurfactant
	CARINEX SL-L (w = 0.56)	1	Glycolipids	2.7	Ultra-mild biosurfactant
	COSMACOL EMI	1	Di-C12-13 Alkyl Malate	0.2	Moisturizing emollient, wrinkle reduction
	D-Panthenol (w = 0.75)	4	Panthenol	0.5	Active care agent
	Glycerine		Glycerin	3.0	Moisturizing agent
	Disodium EDTA		Disodium EDTA	0.1	Chelating agent
	Nicotinamide		Niacinamide	0.1	Active care agent
	Tocopherol	4	Tocopherol	0.1	Antioxidant
	Perfume "Raspberry"	27	Parfum (EU) / Fragrance (US)	0.1	
	Preservative			q.s.	Preservative
	Demin. water		Aqua	Add to 100	

#### Preparation:

Homogenize the components in the above given order while stirring continuously

#### Storage stability in terms of appearance:

Stable at room temperature, 8°C and 40°C for at least 3 months

#### Appearance:

liquid, transparent

#### \*Supplier:

- 1 Sasol Chemicals
- 4 Alfa Aesar
- 27 drom fragrances



## Oh so mild shower gel

No. 16155

Ever wondered if a shower gel could be more than just that? What if adding an ultra-mild surfactant such as CARINEX SL-A will help to maintain your skin moisturization while being super gentle in the process? A new generation of shower gels is here, mild yet mighty. **Get ready for change!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	MARLINAT 242/70 C	1	Sodium Laureth Sulfate	14.2	Base surfactant, high foaming power
	RSPO-MB				
	Demin. water		Aqua	30.0	
B	CARINEX SL-A (w = 0.6)	1	Glycolipids	8.3	Ultra-mild biosurfactant
	COSMACOL OE	1	Dicaprylyl Ether	0.5	Very light, good spreading emollient
	Tego Betain F 50	3	Cocamidopropyl Betaine	13.1	Co-surfactant
	Glycerine		Glycerin	0.5	Moisturizing agent
	D-Panthenol (w = 0.75)	4	Panthenol	0.5	Active care agent
	Plantacare 1200 UP	16	Lauryl Glucoside	1.0	Co-surfactant
	Rewoteric AM C MB	3	Sodium Cocoamphoacetate	1.0	Amphoteric surfactant
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.3	
	Preservative			q.s.	Preservative
	Demin. water		Aqua	Add to 100	
C	NaCl		Sodium Chloride	2.5	Thickening agent

### Preparation:

1. Homogenize phase (A)
2. Add phase (B) to (A) and homogenize
3. Adjust the pH-value to pH 6
4. Add phase (C) to (AB) and homogenize

**Viscosity (Haake, RheoStress 1, 1s<sup>-1</sup>):**  
~ 3400 mPas

**Storage stability in terms of appearance:**  
Stable at room temperature, 8°C and 40°C for at least 3 months

**Appearance:**  
liquid, transparent

### \*Supplier:

- 1 Sasol Chemicals
- 3 Evonik Industries
- 4 Alfa Aesar
- 16 BASF
- 27 drom fragrances



## Wash me clean hand foam

No. 16120

If there is one thing we learned in recent years it's the importance of washing ones hands. Nevertheless, that often causes dry skin and cracking. CARINEX SL-A is a wonderful solution to maintain your cleaning routine while caring for your hands. Adding COSMACOL OE as well brings further relief to dry skin and might even help to reduce the frequency to use hand cream. **Uniting clean hands with the care they are longing for.**



Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	MARLINAT 242/70 C	1	Sodium Laureth Sulfate	6.2	Surfactant, high foaming power
	RSPO-MB				
	Demin. water		Aqua	30.0	
B	CARINEX SL-A (w = 0.6)	1	Glycolipids	8.3	Ultra-mild biosurfactant
	COSMACOL OE	1	Dicaprylyl Ether	0.4	Very light, good spreading emollient
	Tego Betain F 50	3	Cocamidopropyl Betaine	8.5	Co-surfactant
	Glycerine		Glycerin	0.5	Moisturizing agent
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.2	
	Preservative			q.s.	Preservative
	Demin. water		Aqua	Add to 100	
C	NaCl		Sodium Chloride	1.1	

#### Preparation:

1. Homogenize phase (A)
2. Add phase (B) to (A) and homogenize
3. Adjust the pH-value to pH 6
4. Add phase (C) to (AB) and homogenize

#### Storage stability in terms of appearance:

Stable at room temperature, 8°C and 40°C for at least 3 months

#### Appearance:

liquid, transparent

#### Foam quality:

fine and dense

#### \*Supplier:

- 1 Sasol Chemicals
- 3 Evonik Industries
- 27 drom fragrances

## Stormy days all-in-one cream

No. 16246

One facial cream, one eye gel, one body lotion, one hand cream, one foot cream, let alone all the serums, masks etc. If you are longing for simplicity in your life it is time for a one-size-fits all solution. Combining COSMACOL EMI, OE and ECL in this all-in-one cream for an extra luxurious skin feel with high care level and no tack gives you just what you are looking for. **Stormy days here we come!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function	
A	Demin. water		Aqua	Add to 100		
	Glycerine		Glycerin	6.0	Moisturizing agent	
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid	
	Aristoflex AVC	8	Ammonium Acryloyldimethyltaurate / VP Copolymer	0.3	Gelling agent and thickener	
B	<b>CERALUTION H RSPO-MB</b>	1	<b>Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicoamide PEG-15 Disulfate</b>	<b>4.0</b>	<b>Emulsifier, reduces crow's feet wrinkles, moisturizer</b>	
	<b>NAFOL 1618 H RSPO-MB</b>	1	<b>Cetearyl Alcohol</b>	<b>2.0</b>	<b>Co-emulsifier, consistency regulator</b>	
	<b>COSMACOL EMI</b>	1	<b>Di-C12-13 Alkyl Malate</b>	<b>3.0</b>	<b>Wrinkle reduction, moisturizing emollient</b>	
	<b>COSMACOL OE</b>	1	<b>Dicaprylyl Ether</b>	<b>3.0</b>	<b>Very light, good spreading emollient</b>	
	<b>COSMACOL ECL</b>	1	<b>Tri-C14-15 Alkyl Citrate</b>	<b>1.5</b>	<b>Mild keratolytic, skin smoothing emollient</b>	
	Evening primrose oil	32	Oenothera Biennis Oil	2.0	Natural oil	
	Calendula oil	32	Calendula Officinalis Flower Oil	3.0	Natural oil	
	Jojoba oil	32	Simmondsia Chinensis Seed Oil	3.0	Natural oil	
	Bees wax	32	Cera Alba	1.5	Natural wax	
	Mango butter	32	Mangifera Indica Seed Butter	2.0	Natural butter	
	Tocopherol acetate	4	Tocopherol Acetate	0.3	Active care agent	
	C	Tocopherol	4	Tocopherol	0.1	Antioxidant
	D	Demin. water		Aqua	10.0	
Panthenol (w = 0.75)		4	Panthenol	2.0	Active care agent	
E	Preservative			q.s.		

#### Preparation:

- Heat phase (A) and (B) separately to 70°C
- Add phase (B) to (A) and homogenize
- Cool to 35°C and add phase (C), (D) and (E) and homogenize

**Viscosity (Haake, RheoStress 1, 1s<sup>-1</sup>):**  
~ 38.000 mPas, 25°C

**Storage stability in terms of appearance:**  
Stable at room temperature, 40°C and 50°C for at least 3 months

#### \*Supplier:

- Sasol Chemicals
- Alfa Aesar
- CP Kelco
- Clariant International
- Gustav Heess



## Cover me in velvet hand cream

No. 15661

Your hands are your most versatile assets. But who says, hand cream is only for hands? Why not use the product that works so well for your most versatile asset for one that does the hardest job each day, your feet? CERALUTION H functions as a highly efficient, flexible emulsifier whereas COSMACOL OE and ECL bring in that soft skin feel you like so much while repairing your hand (and feet). **Time for an upgrade!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	Demin. water		Aqua	Add to 100	
	Glycerine		Glycerin	4.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
	Rapithix A 100	60	Sodium Polyacrylate	0.3	Thickening agent
B	<b>CERALUTION H RSPO-MB</b>	1	<b>Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicoamide PEG-15 Disulfate</b>	<b>4.0</b>	<b>Emulsifier, reduces crow's feet wrinkles, moisturizer</b>
	<b>NAFOL 1618 H RSPO-MB</b>	1	<b>Cetearyl Alcohol</b>	<b>2.5</b>	<b>Co-emulsifier, consistency regulator</b>
	<b>COSMACOL EBL</b>	1	<b>C12-15 Alkyl Benzoate</b>	<b>3.0</b>	<b>Solubilizing emollient</b>
	<b>COSMACOL ECL</b>	1	<b>Tri-C14-15 Alkyl Citrate</b>	<b>2.0</b>	<b>Mild keratolytic, skin smoothing emollient</b>
	<b>COSMACOL OE</b>	1	<b>Dicaprylyl Ether</b>	<b>3.0</b>	<b>Very light, good spreading emollient</b>
	<b>ISOFOL 20 RSPO-MB</b>	1	<b>Octyldodecanol</b>	<b>3.0</b>	<b>Medium spreading emollient</b>
	Almond oil	32	Prunus Amygdalus Dulcis Oil	1.0	Natural oil
	Mango butter	32	Mangifera Indica Seed Butter	0.5	Natural butter
	Uvinul A Plus B	16	Ethylhexyl Methoxycinnamate (and) Diethylamino Hydroxybenzoyl Hexyl Benzoate	7.0	UVA/UVB-filter
	Tocopherol acetate	4	Tocopherol acetate	0.5	Active care agent
C	Demin. water		Aqua	10.0	
	Ascorbic Acid		Ascorbic Acid		Active care agent
	Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
D	Preservative			q.s.	
	NaOH (w = 0.2)		Sodium Hydroxide	q.s.	pH-adjustment (pH 5-6)
	Perfume „Fruity“	27	Parfum (EU) / Fragrance (US)	0.1	

### Preparation:

- Heat phase (A) and (B) separately to 70°C
- Add phase (B) to (A) and homogenize
- Cool to 35°C and add phase (C) and (D) and homogenize

**Viscosity (Haake, RheoStress 1, 1s<sup>-1</sup>):**  
~ 42.000 mPas, 25°C

**Storage stability in terms of appearance:**  
Stable at room temperature, 40°C and 50°C for at least 3 months

### \*Supplier:

- 1 Sasol Chemicals
- 4 Alfa Aesar
- 5 CP Kelco
- 16 BASF
- 27 drom fragrances
- 32 Gustav Heess
- 60 ISP



## Happy feet urea foot cream

No. 15903

Cracks and dry skin on your feet can be rather painful. Adding urea in combination with several COSMACOL esters, such as ELI, EMI and OE repairs your skin while also moisturizing it long-term. **And while you are at it, why not give your hands a drop of that magic potion as well?**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	Demin. water		Aqua	Add to 100	
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent / hydrocolloid
	Glycerine		Glycerin	4.0	Moisturizing agent
	Aristoflex AVC	8	Ammonium Acryloyldimethyltaurate / VP Copolymer	0.6	Gelling agent and thickener
B	COSMACOL OE	1	Dicaprylyl Ether	4.0	Very light, good spreading emollient
	COSMACOL ECL	1	Tri-C14-15 Alkyl Citrate	1.0	Mild keratolytic, skin smoothing emollient
	COSMACOL ELI	1	C12-13 Alkyl Lactate	2.0	Moisturizing emollient, sebum regulating
	COSMACOL EMI	1	Di-C12-13 Alkyl Malate	3.0	Wrinkle reduction, moisturizing emollient
	CERALUTION H RSPO-MB	1	Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicoamide PEG-15 Disulfate	4.0	Emulsifier / reduces crow's feet wrinkles / moisturizer
	NAFOL 1618 H RSPO-MB	1	Cetearyl Alcohol	2.0	Co-emulsifier / consistency regulator
	PARAFOL 12 RSPO-MB	1	Dodecane	2.0	Fast spreading emollient, replacement for Cyclomethicone
	PARAFOL 22-95	1	Docosane	2.0	Replacement for Dimethicone
	Shea butter	32	Butyrospermum Parkii Butter	0.5	Natural butter
	Tocopheryl acetate	9	Tocopheryl acetate	0.5	Active care agent
C	Demin. water		Aqua	15.0	
	Panthenol (w = 0.75)	64	Panthenol	1.5	Active care agent
	Urea		Urea	5.0	Moisturizing agent
	Sodium lactate (w = 0.5)		Sodium Lactate	4.0	Moisturizing agent / buffer agent
D	Preservative			q. s.	Preservative

### Preparation:

- Heat phase (A) and (B) separately to 70°C
- Add phase (B) to (A) and homogenize
- Cool to 35°C and add phase (C) to (AB) and homogenize
- Add phase (D) to (ABC) and homogenize
- Adjust the pH-value

### Viscosity (Haake, RheoStress 1, 1s<sup>1</sup>):

~ 26,500 mPas, 25°C

### Storage stability in terms of appearance:

Stable at room temperature, 40°C and 50°C for at least 3 months

**Appearance:**  
viscous

### \*Supplier:

- 1 Sasol Chemicals
- 5 CP Kelco
- 8 Clariant
- 9 Merck
- 32 Gustav Heess
- 64 DSM

## Healthy feet anti sore rub stick

No. 16101

Blisters, wounds, dry patches - you name it. It all causes you to slow down. Time to let a combination of COSMACOL EMI and OE work their magic through gently soothing your wounds, bringing moisturization where needed and hence balancing your skin. **Hello healthy feet!**



Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	NAFOL 1618 S RSPO-MB	1	Cetearyl Alcohol	22.0	Consistency regulator
	NACOL 18-98	1	Stearyl Alcohol	18.0	Consistency regulator
	ISOFOL 20 RSPO-MB	1	Octyldodecanol	24.0	Medium spreading emollient
B	COSMACOL OE	1	Dicaprylyl Ether	10.0	Very light, good spreading emollient
	COSMACOL EMI	1	Di-C12-13 Alkyl Malate	5.7	Wrinkle reduction, moisturizing emollient
	Sunflower oil	32	Helianthus Annuus (Sunflower) Seed Oil	15.0	Natural oil
	Almond oil	32	Prunus Amygdalus Dulcis Oil	5.0	Natural oil
	Tocopherol	4	Tocopherol	0.25	Antioxidant
	Perfume "Cocos"	27	Parfum (EU) / Fragrance (US)	q.s.	

### Preparation:

1. Heat phase (A) to 60°C
2. Add phase (B) to (A) and homogenize

### Storage stability in terms of appearance:

Stable at room temperature and 40°C for at least 3 months

**Appearance:**  
solid

### \*Supplier:

- 1 Sasol Chemicals
- 4 Alfa Aesar
- 27 drom fragrances
- 32 Gustav Heess

## Block the heat sun stick (SPF 50)

No. 16247

Ever wanted to freshen up your sun protection on the go? Using a sunscreen stick with SPF 50 does the job. May it be skiing, tanning in the sun or simply exploring, COSMACOL EMI is a great sebum regulator and also leaves a pleasant, non-tacky skin feel bringing your sunscreen on the go to the next level. **Adventures here we come!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	NAFOL 1618 H RSPO-MB	1	Cetearyl Alcohol	5.0	Consistency regulator
	NACOL 22-98	1	Behenyl Alcohol	20.0	Consistency regulator
	Shea butter	32	Butyrospermum Parkii Butter	5.0	Natural butter
	Beeswax	32	Cera Alba	5.0	Natural wax
	Cocoa butter	32	Theobroma Cacao Seed Butter	12.5	Natural butter
	Ganex V-220	60	VP/ Eicosene Copolymer	1.0	Film former, water resistance improver
	Eusolex 9020	9	Butyl Methoxydibenzoyl-methane	5.0	UVA-filter
	Tinosorb S	16	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	9.0	UVA / UVB-filter
	Uvinul T 150	16	Ethylhexyl Triazone	5.0	UVB-filter
B	ISOFOL 20 RSPO-MB	1	Octyldodecanol	10.0	Medium spreading emollient
	COSMACOL EBL	1	C12-15 Alkyl Benzoate	6.0	Solubilizing emollient
	COSMACOL EMI	1	Di-C12-13 Alkyl Malate	2.0	Wrinkle reduction, moisturizing emollient
	Eusolex OS	9	Ethylhexyl Salicylate	5.0	UVB-filter
	Castor oil	32	Ricinus Communis Seed Oil	9.0	Natural oil
	Tocopheryl acetate	4	Tocopheryl Acetate	0.5	Active care agent

### Preparation:

1. Heat phase (A) to 70°C
2. Add phase (B) to (A) and homogenize

### Storage stability in terms of appearance:

Stable at room temperature and 40°C for at least 3 months

**Appearance:**  
solid

### Information:

SPF (ISO 24444): 53.2  
UVA-PF (ISO 24443): 18.1  
Star Rating: \*\*\*

UVA-PF/SPF [ $>0.33$ ]: 0.34  
Critical Wavelength: 373 nm

### \*Supplier:

- 1 Sasol Chemicals
- 4 Alfa Aesar
- 9 Merck
- 16 BASF SE
- 32 Gustav Heess
- 60 ISP



## Sunny days kids sunscreen (SPF 30)

No. 16001

Summer, beaches and ocean - protecting the sensitive skin of your child is key during this fun season. Often organic filters used in these types of sunscreens are prone to leave some white streaks on the skin and take long to absorb. Using a combination of our multifunctional ingredients, CERALUTION H RSPO-MB and COSMACOL OE, helps to overcome these side effects while increasing the UV-filter efficacy and making the sunscreen easier to spread. **Enjoy the summer!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	Demin. water		Aqua	Add to 100	
	Eusolex T-Avo	9	Titanium dioxide (and) Silica	13.75	UVA / UVB-filter
A1	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent / hydrocolloid
	Glycerine		Glycerin	3.0	Moisturizing agent
B	CERALUTION H RSPO-MB	1	Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicoamide PEG-15 Disulfate	4.0	Emulsifier / reduces crow's feet wrinkles / moisturizer
	NAFOL 1618 H RSPO-MB	1	Cetearyl Alcohol	1.0	Co-emulsifier / consistency regulator
	COSMACOL ELI	1	C12-13 Alkyl Lactate	1.0	Moisturizing emollient, sebum regulating
	COSMACOL EMI	1	Di-C12-13 Alkyl Malate	2.0	Wrinkle reduction, moisturizing emollient
	COSMACOL OE	1	Dicaprylyl Ether	2.0	Very light, good spreading emollient
	ISOFOL 20 RSPO-MB	1	Octyldodecanol	2.0	Medium spreading emollient
	Oxyxyn ST liquid	9	Diethylhexyl Syringylidenemalonate (and) Caprylic/ Capric Triglyceride	0.5	Stabilizer
B1	COSMACOL EBL	1	C12-15 Alkyl Benzoate	8.0	Solubilizing emollient
	Z-Cote HP1	16	Zinc Oxide (and) Dimethicone	10.0	UVA / UVB-filter
C	Tocopherol	4	Tocopherol	0.1	Antioxidant
	Allianz OPT	84	Acrylates/C12-22 Alkyl-methacrylate Copolymer	1.0	Film former provide water resistance for long-lasting sun formulas
D	Preservative			q. s.	Preservative
	Perfume "Orange"	27	Parfum (EU) / Fragrance (US)	q. s.	

### Preparation:

1. Homogenize phase (A1)
2. Add phase (A1) to (A) and homogenize
3. Heat phase (A) and (B) separately to 70°C
4. Homogenize phase (B1)
5. Add phase (B1) to (B) and homogenize
6. Add phase (B) to (A) and homogenize
7. Cool to 35°C and add phase (C) and (D) and homogenize

**Viscosity (Haake, RheoStress 1, 1s<sup>-1</sup>):**  
~ 44,000 mPas, 25°C

### Storage stability in terms of appearance:

Stable at room temperature, 40°C and 50°C for at least 3 months

**Appearance:**  
viscous

### Information:

SPF (ISO 24444): 31.0  
UVA-PF (ISO 24443): 10.2  
Star rating: \*\*\*  
UVA-PF/SPF [ $>0.33$ ]: 0.33  
Critical wavelength: 380 nm

### \*Supplier:

- 1 Sasol Chemicals
- 4 Alfa Aesar
- 5 CP Kelco
- 9 Merck KGa
- 16 BASF
- 27 drom fragrances
- 84 Ashland



## Brighter days sunscreen spray (SPF 50+)

No. 15169

There is nothing more frustrating than the first rays of sunshine and last year's runny sunscreen spray. Using CERALUTION ES helps to prevent phase separations like that, being a great dispersant for UV-Filters while functioning as an emulsifier with outstanding skin feel. **Bring back the joy into those first bright days!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	Demin. water		Aqua	15.0	
	Glycerine		Glycerin	1.0	Moisturizing agent
B	Keltrol CG T	5	Xanthan Gum	0.2	Thickening agent / hydrocolloid
	CERALUTION ES RSPO-MB	1	Cetareth-25 (and) Disodium Ethylene Dico-camide PEG-15 Disulfate	3.0	Emulsifier and dispersant
	COSMACOL EBL	1	C12-15 Alkyl Benzoate	5.0	Solubilizing emollient
	PARAFOL 14 RSPO-MB	1	Tetradecane	2.0	Good spreading emollient, replacement for Isohexadecane
	PARAFOL 22-95	1	Docosane	1.0	Replacement for Dimethicone
	Eusolex 9020	9	Butyl Methoxydibenzoyl-methane	5.0	UVA-filter
	Eusolex OCR	9	Octocrylene	7.5	UVB-filter
	Uvinul T 150	16	Ethylhexyl Triazone	2.0	UVB-filter
	Tinosorb S	16	Bis-Ethylhexylphenol Methoxyphenyl Triazine	7.5	UVA / UVB-filter
	Eusolex 2292	9	Ethylhexyl Methoxycinnamate	7.5	UVB-filter
	Lexfilm Sun	83	Polyester-7 (and) Neopen-tyl Glycol Diheptanoate	1.0	Film foamer, water resistance improver
C	Tocopherol	4	Tocopherol	q.s.	Antioxidant
D	Demin. water		Aqua	Add to 100	
	Demin. water with 4% Avicel PC 611	62	Microcrystalline Cellulose (and) Cellulose Gum	12.5	Thickening and stabilizing agent
E	Preservative			q.s.	Preservative
	Perfume		Parfum (EU) / Fragrance (US)	q.s.	

### Preparation:

- Heat phase (A) and (B) separately to 70°C
- Add phase (B) to (A) and homogenize
- Cool to 35°C and add phase (C), (D) and (E) to (AB) and homogenize
- Adjust the pH-value

### Spray pattern:

fine dispensed droplets

### Storage stability in terms of appearance:

Stable at room temperature, 40°C and 50°C for at least 3 months

### Appearance:

milky

### Information:

SPF (ISO 24444): 61.0  
UVA-PF (ISO 24443): 20.6  
Star rating: \*\*\*  
UVA-PF/SPF [ $>0.33$ ]: 0.34  
Critical wavelength: 372 nm

### \*Supplier:

- 1 Sasol Chemicals
- 4 Alfa Aesar
- 5 CP Kelco
- 9 Merck
- 16 BASF
- 62 FMC Corporation
- 83 INOLEX



## Summer lovin' sunscreen spray (SPF 30)

No. 15170

Clear sunscreens often contain ethanol. Yet, when facing sensitive skin that might not always be your best choice. Start loving summer again with a lightweight, clear product without ethanol. Using COSMACOL EMI for extra moisturization brings the care in sun care to a new level and lets you enjoy your beach vacation with a smile. **Hello summer!**



Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	COSMACOL EBL	1	C12-15 Alkyl Benzoate	30.0	Solubilizing emollient
	COSMACOL EMI	1	Di-C12-13 Alkyl Malate	10.0	Medium spreading emollient
	Tinosorb S	16	Bis-Ethylhexylphenol Methoxyphenyl Triazine	3.5	UVA / UVB-filter
	Eusolex 9020	9	Butyl Methoxydibenzoyl-methane	5.0	UVA-filter
	Eusolex HMS	9	Homosalate	10.0	UVB-filter
	Eusolex OCR	9	Octocrylene	10.0	UVB-filter
	Lexfilm Sun	83	Polyester-7 (and) Neopentyl Glycol Diheptanoate	1.0	Film foamer, water resistance improver
B	COSMACOL EMI	1	Di-C12-13 Alkyl Malate	19.5	Medium spreading emollient
	PARAFOL 14 RSPO-MB	1	Tetradecane	10.0	Good spreading emollient, replacement for Isohexadecane
	Panthenol (w = 0.75)	4	Panthenol	0.75	Active care agent
	Perfume		Parfum (EU) / Fragrance (US)	q.s.	
	Tocopherol	4	Tocopherol	q.s.	Antioxidant

### Preparation:

1. Heat phase (A) to 50°C
2. Add phase (B) to (A) and homogenize

### Storage stability in terms of appearance:

Stable at room temperature, 8°C and 40°C for at least 3 months

### Appearance:

liquid, transparent

### Information:

SPF (ISO 24444): 35.6

UVA-PF (ISO 24443): 21.5

Star rating: \*\*\*\*

UVA-PF/SPF [ $>0.33$ ]: 0.60

Critical wavelength: 375 nm

### \*Supplier:

- 1 Sasol Chemicals
- 4 Alfa Aesar
- 9 Merck
- 16 BASF
- 83 INOLEX

# Sunset aftersun milk

No. 15111

Re-vitalize your skin after a day at the beach. COSMACOL EMI provides moisture and combined with natural oils helps soothe the skin to only keep the pleasant memories of your day without being overshadowed by sunburn.

**Time to relax!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	Demin. water		Aqua	Add to 100	
	Glycerine		Glycerin	5.0	Moisturizing agent
	Disodium EDTA		Disodium EDTA	0.1	Chelating agent
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydro-colloid
B	<b>CERALUTION H RSPO-MB</b>	1	<b>Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicoamide PEG-15 Disulfate</b>	2.5	<b>Emulsifier, reduces crow's feet wrinkles, moisturizer</b>
	<b>NAFOL 1618 H RSPO-MB</b>	1	<b>Cetearyl Alcohol</b>	0.5	<b>Co-emulsifier, consistency regulator</b>
	<b>COSMACOL EMI</b>	1	<b>Di-C12-13 Alkyl Malate</b>	3.0	<b>Wrinkle reduction, moisturizing emollient</b>
	<b>COSMACOL OE</b>	1	<b>Dicaprylyl Ether</b>	5.0	<b>Very light, good spreading emollient</b>
	Jojoba oil	32	Simmondsia Chinensis Seed Oil	2.0	Natural oil
	<b>ISOFOL 16 RSPO-MB</b>	1	<b>Hexyldecanol</b>	5.0	<b>Medium spreading emollient</b>
	Tocopheryl Acetate	4	Tocopheryl Acetate	q.s.	Active care agent
C	Carbopol Ultrez 21 Polymer (w = 0.03)	30	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	5.0	Thickening and stabilizing agent
D	Demin. water		Aqua	20.0	
	D-Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
	Aloe Vera gel		Aloe Barbadensis Leaf Juice	0.2	Active care agent
	NaOH (w = 0.1)		Sodium Hydroxide	0.3	Neutralizing agent
E	Ethanol (96%)		Alcohol denat.	6.0	Cooling agent, solubilizer
	Menthol		Menthol	0.1	Cooling agent
	Frescolat ML	6	Menthyl Lactate	0.5	Long lasting cooling agent
	Hydrolite 5	6	Pentylene Glycol	2.0	Emulsion stabilizer
	Preservative			q.s.	

#### Preparation:

- Heat phase (A) and (B) separately to 70°C
- Add phase (B) to (A) and homogenize
- Cool to 35°C and add phase (C), (D) and (E) and homogenize
- Adjust the pH-value

#### Viscosity (Haake, RS1, 1s<sup>-1</sup>):

~ 7,000 mPas, 25°C

#### Storage stability in terms of appearance:

Stable at room temperature, 40°C and 50°C for at least 3 months

**Appearance:**  
milky

#### \*Supplier:

- Sasol Chemicals
- Alfa Aesar
- CP Kelco
- Symrise
- Lubrizol Advanced Materials
- Gustav Heess





## Fresh feel deo cream

No. 16243

Feeling fresh all day is a desire we all can relate to. But, how about being more sustainable in the process? Using this deodorant cream helps you achieve both. COSMACOL ELI and OE help to soothe your skin while also keeping your odour in check. CERALUTION H additionally delivers multifunctional benefits in doubling as emulsifier and boosting your skin feel. **Feel fresh!**

Phase	Trade name	Supplier*	INCI name	Weight [%]	Function
A	Demin. water		Aqua	Add to 100	
	Structure XL	41	Hydroxypropyl Starch Phosphate Ester	5.0	Thickening agent
	Glycerine		Glycerin	4.0	Moisturizing agent
B	CERALUTION H RSPO-MB	1	Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicosamide PEG-15 Disulfate	3.0	Emulsifier / reduces crow's feet wrinkles / moisturizer
	NAFOL 1618 H RSPO-MB	1	Cetearyl Alcohol	1.5	Co-emulsifier / consistency regulator
	ISOCARB 12	1	Butyloctanoic acid	2.0	Medium spreading, pleasant and non-sticky emollient, biomimetic performance booster
	MARLOSOL ST 9150 P	1	PPG-15 Stearyl Ether	2.0	Polar emollient, skin conditioner
	PARAFOL 14 RSPO-MB	1	Tetradecane	2.0	Good spreading emollient, replacement for Isohexadecane
	COSMACOL ELI	1	C12-13 Alkyl Lactate	2.0	Moisturizing emollient, body odour control
	COSMACOL OE	1	Dicaprylyl Ether	2.0	Good spreading emollient
	Perfume "Fruity"	27	Parfum (EU) / Fragrance (US)	3.0	
C	Preservative			q.s	

### Preparation:

1. Heat phase (A) and (B) separately to 70°C
2. Add phase (B) to (A) and homogenize
3. Cool to 35°C and add phase (C) and homogenize
4. Adjust the pH-value to pH 4.0 - 5.0

### Viscosity (Haake, RS1, 1s-1):

~ 56.000 mPas, 25°C

### Storage stability in terms of appearance:

Stable at room temperature, 40°C and 50°C for at least 3 months

### \*Supplier:

- 1 Sasol Chemicals
- 27 drom fragrances
- 41 AkzoNobel Personal Care

# At your service

## Sasol Chemicals

Essential Care Chemicals -  
Personal Care, Health & Wellness

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