

COSMETICS FORMULARY

02/2020

Sasol Performance Chemicals



SASOL



About Us

Sasol Performance Chemicals develops and markets a broad portfolio of organic and inorganic commodity and specialty chemicals and comprises three key business divisions: Organics, Advanced Materials and Wax. Our offices in 18 countries serve customers around the world with a multifaceted portfolio of state-of-the-art chemical products and solutions for a wide range of applications and industries.

Surfactants, surfactant intermediates, fatty alcohols, linear alkyl benzene (LAB), short-chain linear alpha olefins, mineral oil-based and synthetic paraffin waxes, high-purity and ultra-high-purity alumina as well as high-quality carbon solutions form the basis of our key product range.

As individual as the industrial applications they serve, the tailor-made solutions offered by our products create real business value for customers. Ongoing research activities result in a continuous stream of innovative product concepts that help our customers position themselves successfully in future markets.

Our products are used in countless applications in our daily lives to add value, security and comfort. Typical examples include detergents, cleaning agents, personal care, construction, paints, inks and coatings, metalworking and lubricants, hot-melt adhesives, bitumen modification and catalyst support for automotive catalysts and refineries as well as other specialty applications including oil and gas recovery, agriculture, plastic stabilization, and polymer production. Every day, our researchers explore ways to improve our products and develop innovations that improve the quality of people's lives.

Foreword

This collection of guideline formulation examples provides an overview of how the wide range of Sasol raw materials for cosmetics and personal care can be used to fulfil your performance and formulation requirements.

We hope to inspire new ideas by providing examples of formulation concepts and guideline formulations. You will find creams, lotions, sprays, foams and cleansers; also concepts for sunscreens (creams, lotions, foams and sprays), as well as high-foaming transparent cleansers with natural oils or active agents that are efficiently deposited on the skin.

We hope that we can offer a range of examples that will prove useful either for providing a starting point for further work or for inciting your imagination. For further questions and more examples or assistance please feel free to contact our global network of sales and technical staff.

Register of Formulation Categories

Categories

Page

Rinse-off



Hair	Transparent Shampoo with Vegetable-Derived Conditioners	6
	Transparent Anti-Dandruff Shampoo with Olive Oil	7
	Pump Foam Shampoo with Urea	8
	Transparent Shampoo with Natural Oil and UV-Filter	9
	Hair Conditioner without Silicones and Emulsifier	10
	Conditioning Hair Butter	11
Body	Transparent Liquid Hand Foam	12
	Sensitive Liquid Hand Soap	13
	Caring Shower Gel with Olive Oil	14
	Shower Cream with Sunflower Oil	15
	Shower Oil with High Amounts of Natural Oils	16
	Foaming Bath Additive for Kids	17
	Caring Pump Foam for Babies	18
	Transparent Caring Mild Shower Gel for Sensitive Skin	19
	Shower Gel for Men with Caring Emollients	20
	Shaving Foam	21
	Caring Facial Cleansing Foam	22
	Anti-Acne Facial Cleanser Foam	23

Leave-On



Face	Day Cream for Matured Skin	24	
	Night Cream with Shea Butter	25	
	Atopic Lotion	26	
	Eye Care Lotion	27	
	Aftershave Balsam	28	
	Hydro Energy Gel for Men	29	
	CC Cream with SPF 10 and Natural Oil	30	
	Lip Care with Natural Based and Caring Emollients (SPF 20 - EU)	31	
	Body	Winter Cream with High Amounts of Caring Oils	32
		Body Milk	33
Basic Milk with Jojoba Oil		34	
Soft and Caring Body Cream for Babies		35	
Hand Cream Light and Soft		36	
Tattoo Care Cream		37	
Caring Anti-Aging Milk (SPF 6)		38	
Anti-Wrinkle Cream (SPF 10)		39	
Conditioning Cream (Free of Emulsifier)		40	
All Purpose Cream		41	
Butter Cream		42	
Moisture Lotion		43	

Categories

Page

Leave-On



Sun	Sunscreen Lotion (SPF 30)	44
	Sunscreen Lotion (SPF 50)	45
	Sun Cream (SPF 30)	46
	Sunscreen Cream with ZnO (SPF 30 - US)	47
	Sunscreen Cream (SPF 50)	48
	Sunscreen Spray (SPF 30 - EU)	49
	Sunscreen Spray (SPF 50+)	50
	Transparent Sunscreen Pump Spray without Ethanol (SPF 30)	51
	Transparent Sunscreen Pump Spray without Ethanol (SPF 50)	52
	Transparent Sunscreen Spray (SPF 25 - EU)	53

Other Categories



Other Categories	Pre- and Aftersun Spray	54
	Aftersun Milk	55
	Cleansing Milk	56
	Cleansing and Caring Mask	57
	Concentrate for Wet Wipes with Caring Emollients	58
	Skin Lightening Cream	59
	Self Tanning Spray	60
	Antiperspirant Roll-On	61

Supplier List	62
INCI Name List	63
At Your Service	64

Transparent Shampoo with Vegetable-Derived Conditioners

Formulation No.: 14171

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/90 MC	1	MIPA Laureth Sulfate (and) Propylene Glycol	12.0	Base surfactant, high foaming power
	MARLOSOL PK 9040	1	Laureth-4	1.0	Nonionic surfactant, emulsifier
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed Oil	0.5	Natural oil
	PARAFOL 12 RSPO-MB	1	Dodecane	1.0	Secondary hair conditioning agent
	PARAFOL 22-95	1	Docosane	0.5	Secondary hair conditioning wax
	Glycerine		Glycerin	0.5	Moisturizing agent
	MARLOWET COE 329	1	PEG-7 Glyceryl Cocoate	1.0	Solubilizer and Co-emulsifier
B	NaCl		Sodium Chloride	1.5	
	Demin. water		Aqua	25.0	
C	U-Care Polymer JR 400	75	Polyquaternium-10	0.3	Quaternary conditioning agent
	Demin. water		Aqua	add to 100	
D	Preservative			q.s.	Preservative
	Perfume "Commage"	27	Parfum (EU) / Fragrance (US)	0.2	
E	Antil 127	3	PEG-120 Methyl Glucose Dioleate	q.s.	Thickening agent

*) Supplier list page 62

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
6. Add phase (E) to (ABCD) and homogenize

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

Appearance: liquid-viscous, transparent

Transparent Anti-Dandruff Shampoo with Olive Oil

Formulation No.: 13703

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/90 MC	1	MIPA Laureth Sulfate (and) Propylene Glycol	15.0	Base surfactant, high foaming power
	MARLOSOL PK 9040	1	Laureth-4	2.0	Nonionic surfactant, emulsifier
	Olive oil	32	Olea Europaea (Olive) Fruit Oil	1.0	Natural oil
	Octopirox	8	Piroctone Olamine	0.25	Anti-dandruff agent
	Glycerine		Glycerin	0.5	Moisturizing agent
	Plantacare 1200 UP	16	Lauryl Glucoside	0.5	Co-surfactant
B	Tego Betain F 50	3	Cocamidopropyl Betaine	5.0	Co-surfactant
	NaCl		Sodium Chloride	2.0	
	Demin. water		Aqua	25.0	
C	U-Care Polymer JR 400	75	Polyquaternium-10	0.3	Quaternary conditioning agent
	Demin. water		Aqua	add to 100	
D	Preservative			q.s.	Preservative
	Perfume "Commage"	27	Parfum (EU) / Fragrance (US)	0.3	
E	Antil 141 liquid	3	Propylene Glycol (and) PEG-55 Propylene Glycol Oleate	q.s.	Thickening agent

*) Supplier list page 62

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
6. Add phase (E) to (ABCD) and homogenize

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

Appearance: liquid-viscous, transparent

Pump Foam Shampoo with Urea

Formulation No.: 14835

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/70 C5	1	Sodium Laureth Sulfate	10.0	Base surfactant, high foaming power
	Demin. Water		Aqua	30.0	
B	Tego Betain F 50	3	Cocamidopropyl Betaine	5.0	Co-surfactant, foam booster
	COSMACOL ELI	18	C12-13 Alkyl Lactate	0.2	Moisturizing emollient
	COSMACOL OE	1	Dicaprylyl Ether	0.2	Very light, good spreading emollient
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	0.2	Conditioning and moisturizing emollient
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.1	
C	Urea		Urea	5.0	Moisturizing and caring emollient
	Demin. water		Aqua	20.0	
D	U-Care Polymer JR 400	75	Polyquaternium-10	0.1	Quaternary conditioning agent
	Demin. water		Aqua	add to 100	
E	Preservative			q.s.	

*) Supplier list page 62

Preparation (at room temperature):

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

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-viscous, transparent

Transparent Shampoo with Natural Oil and UV-Filter

Formulation No.: 13716

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/90 MC	1	MIPA Laureth Sulfate (and) Propylene Glycol	16.0	Base surfactant, high foaming power
	MARLOWET CG	1	PEG-18 Castor Oil Dioleate	4.5	Emulsifier for oils
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed Oil	0.8	Natural oil
	ISOFOL 12	1	Butyloctanol	0.5	Light and good spreading emollient, solvent
	Uvinul A Plus B	16	Ethylhexyl Methoxycinnamate (and) Diethylamino Hydroxybenzoyl Hexyl Benzoate	2.5	UVA/UVB-filter
	Perfume "Commage"	27	Parfum (EU) / Fragrance (US)	0.2	
B	Tego Betain F 50	3	Cocamidopropyl Betaine	5.0	Co-surfactant
	NaCl		Sodium Chloride	0.5	
	Demin. water		Aqua	20.0	
C	U-Care Polymer JR-400	75	Polyquaternium-10	0.2	Quaternary conditioning agent
	Demin. water		Aqua	20.0	
D	Demin. water		Aqua	add to 100	
E	Preservative			q.s.	Preservative
	Glucamate DOE-120 Syrup	30	PEG-120 Methyl Glucose Dioleate	q.s.	Thickening agent

*) Supplier list page 62

Preparation (at room temperature):

1. Homogenize phase (A), (B) and (C) 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
6. Add phase (E) to (ABCD) and homogenize

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

Appearance: liquid-viscous

Hair Conditioner without Silicones and Emulsifiers

Formulation No.: 15128

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Genamin CTAC 50	8	Cetrimonium Chloride	2.0	Quaternary conditioning agent
B	NAFOL 1618 H	1	Cetearyl Alcohol	4.0	Co-emulsifier, consistency regulator
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	1.0	Conditioning and moisturizing agent
	ISOFOL 24	1	Decyltetradecanol	1.0	Polar emollient, medium spreading emollient
	Genamin BTLF	8	Behentrimonium Chloride	0.5	Quaternary conditioning agent
C	Preservative			q.s.	

*) Supplier list page 62

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) to (AB) and homogenize
4. Adjust the pH-value

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

Appearance: viscous

Conditioning Hair Butter

Formulation No.: 21-17-5-2

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
B	Cetiol SB 45	16	Butyrospermum Parkii (Shea) Butter	3.0	Natural butter
	Dehyquart F 75 T	16	Distearoylethyl Hydroxyethylmonium Methosulfate + Cetearyl Alcohol	1.3	Quaternary compound / conditioning and stability agent
	NAFOL 1618	1	Cetearyl Alcohol	5.0	Consistency regulator
	TITANEL	2	Synthetic Wax	3.0	Consistency regulator
	SymDiol 68	6	1,2-Hexanediol + Caprylyl Glycol	0.5	Preservative
	Symsave H	6	Hydroxyacetophenone	0.5	Antioxidant
C	Varisoft PATC	3	Palmitamidopropyl-trimonium Chloride	1.0	Thickening and stabilizing agent
	Parfum "Hydra Expert E_1407994"	11	Parfum (EU) / Fragrance (US)	0.4	

*) Supplier list page 62

Preparation:

1. Heat phase (B) to 90 °C
2. Heat phase (A) to 80 °C
3. Add phase (B) to (A) and homogenize
4. Cool to 35 °C and add phase (C) to (AB) and homogenize

Storage stability in terms of appearance: Stable at 6 °C, room temperature and 40 °C for at least 3 months

Appearance: viscous

Transparent Liquid Hand Foam

Formulation No.: 15156

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/70 C5	1	Sodium Laureth Sulfate	6.0	Base surfactant, high foaming power
	Demin. Water			30.0	
B	D-Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
	Glycerine		Glycerin	1.0	Moisturizing agent
	COSMACOL ELI	18	C12-13 Alkyl Lactate	0.1	Thickening agent, moisturizing agent
	MARLOWET COE 329	1	PEG-7 Glyceryl Cocoate	0.1	Solubilizer and co-emulsifier
	Perfume "Commage"	27	Parfum (EU)/ Fragrance (US)	0.3	
	Preservative			q.s.	Preservative
	Lactic acid	9	Lactic Acid	0.1	Moisturizing agent
	Tego Betain F 50	3	Cocamidopropyl Betaine	4.9	Co-surfactant, foam booster
Demin. Water			add to 100		

*) Supplier list page 62

Preparation (at room temperature):

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

Foam quality: fine and dense

Storage stability in terms of appearance: at least 3 month stable at 8 °C, room temperature and 40 °C

Appearance: liquid, transparent

Sensitive Liquid Hand Soap

Formulation No.: 14435

Phase	Trademark	*)	INCI name	Weight [%]	Function	
A	MARLINAT 242/70 C5	1	Sodium Laureth Sulfate	11.5	Base surfactant, high foaming power	
	MARLOSOL PK 9040	1	Laureth-4	2.0	Nonionic surfactant, emulsifier	
	Aloe Vera Oil		Helianthus Annuus (Sunflower) Seed Oil, Aloe Barbadensis Leaf Extract	0.1	Moisturizing agent	
	ISOFOL 12	1	Butyloctanol	0.5	Light and good spreading emollient, solvent	
	Perfume "Fruity"			Parfum (EU)/ Fragrance (US)	0.1	
	Allantoin	64	Allantoin	0.1	Active care agent	
	B	Demin. Water		Aqua	30.0	
		C		Glycerine	Glycerin	0.5
	Tego Betain F 50		3	Cocamidopropyl Betaine	10.5	Co-surfactant, foam booster
	MARLOWET COE 329		1	PEG-7 Glyceryl Cocoate	0.2	Solubilizer and co-emulsifier
Pantacare 1200 UP		16	Lauryl Glucoside	0.5	Co-surfactant	
Preservative			q.s.	Preservative		
Demin. Water			add to 100			

*) Supplier list page 62

Preparation (at room temperature):

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

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

Appearance: liquid-viscous, transparent

Caring Shower Gel with Olive Oil

Formulation No.: 15093

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/90 MC	1	MIPA Laureth Sulfate (and) Propylene Glycol	12.0	Base surfactant, high foaming power
	MARLOSOL PK 9040	1	Laureth-4	3.5	Nonionic surfactant, emulsifier
	COSMACOL ELI	18	C12-13 Alkyl Lactate	0.4	Moisturizing emollient
	Olive oil	32	Olea Europaea (Olive) Fruit Oil	1.0	Natural oil
	Plantacare 1200 UP	16	Lauryl Glucoside	0.5	Co-surfactant
B	Tego Betain F 50	3	Cocamidopropyl Betaine	6.0	Co-surfactant
	NaCl		Sodium Chloride	0.5	
	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
	Perfume "Commage"	27	Parfum (EU)/Fragrance (US)	0.1	

*) Supplier list page 62

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

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

Appearance: liquid, transparent

Shower Cream with Sunflower Oil

Formulation No.: 15157

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Carbopol Ultrez 20 Polymer	30	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	1.0	Thickening agent
	Demin. water		Aqua	add to 100	
B	CERALUTION CPE	1	See page 63	2.5	Self-emulsifying concentrate, cold-processing possible
	Sunflower oil	32	Helianthus Annuus (Sunflower) Seed Oil	9.0	Natural oil
C	MARLINAT 242/28	1	Sodium Laureth Sulfate	37.5	Basic surfactant / high foaming power
	Tego Betain F50	3	Cocamidopropyl Betaine	3.0	Co-surfactant / foam booster
	Glycerine		Glycerin	1.0	Moisturizing agent
	Demin. water		Aqua	10.0	
	Panthenol (w = 0.75)	4	Panthenol	0.7	Active care agent
	Perfume "Care"	27	Parfum (EU)/Fragrance (US)	0.3	
	Preservative			q.s.	Preservative
	Lactic acid	9	Lactic Acid	0.1	Moisturizing agent
	Tocopherol	4	Tocopherol	0.1	Antioxidant
D	NaOH (w = 0.1)		Sodium Hydroxide	q.s.	pH adjustment

*) Supplier list page 62

Preparation (at room temperature):

1. Homogenize phase (A) and (B)
2. Add phase (C) to (B) and homogenize
3. Add phase (A) to (BC) and homogenize
4. Adjust the pH-value value by adding phase (D) to (ABC) and homogenize

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

Appearance: viscous

Shower Oil with High Amounts of Natural Oils

Formulation No.: 13687

Phase	Trademark	*)	INCI name	Weight [%]	Function
	MARLINAT 242/90 MC	1	MIPA Laureth Sulfate (and) Propylene Glycol	20.5	Base surfactant, high foaming power
	MARLOSOL PK 9040	1	Laureth-4	23.0	Nonionic surfactant, emulsifier
	Sunflower oil	32	Helianthus Annuus (Sunflower) Oil	40.0	Natural oil
	Castor oil	32	Ricinus Communis (Castor) Seed oil	10.0	Natural oil
	Olive oil	32	Olea Europaea (Olive) Fruit Oil	3.5	Natural oil
	COSMACOL N II-9	18	C12-13 Pareth-9	0.5	Solubilizer for fragrances and essential oils
	D-Panthenol (w = 0.75)	4	Panthenol	0.8	Active care agent
	Perfume "Commage"	27	Parfum (EU) / Fragrance (US)	1.5	
	Tocopherol	9	Tocopherol	q.s.	Antioxidant

*) Supplier list page 62

Preparation (at room temperature):

Homogenize the components in the above given order while stirring continuously.

Clear melting point: ~ 3 °C

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

Appearance: liquid (oil-like), yellow, transparent

Foaming Bath Additive for Kids

Formulation No.: 14150

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/70 C5	1	Sodium Laureth Sulfate	17.1	Base surfactant, high foaming power
	MARLOWET COE 329	1	PEG-7 Glyceryl Cocoate	0.5	Solubilizer and co-emulsifier
	COSMACOL ELI	18	C12-13 Alkyl Lactate	0.5	Thickening and moisturizing emollient
	Tego Betain F 50	3	Cocamidopropyl Betaine	7.9	Co-surfactant
	NaCl		Sodium Chloride	q.s.	Thickening agent
	Demin. water		Aqua	add to 100	
B	Preservative			q.s.	Preservative
	Perfume "Orange"	27	Parfum (EU) / Fragrance (US)	0.1	

*) Supplier list page 62

Preparation (at room temperature):

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

Viscosity (Haake, RheoStress 1, 10s⁻¹): ~ 7,500 mPas, 20 °C

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

Appearance: viscous

Caring Pump Foam for Babies

Formulation No.: 15094

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/90 MC	1	MIPA Laureth Sulfate (and) Propylene Glycol	12.0	Base surfactant, high foaming power
	MARLOSOL PK 9040	1	Laureth-4	2.0	Nonionic surfactant
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed Oil	1.0	Natural oil
	Almond oil	32	Prunus Amygdalus Dulcis (Sweet Almond) Oil	0.5	Natural oil
	Tegobetain 810	3	Capryl/Capramidopropyl Betaine	0.5	Co-surfactant
	COSMACOL ELI	18	C12-13 Alkyl Lactate	0.3	Moisturizing emollient
	Glycerine		Glycerin	0.5	Moisturizing agent
	Plantacare 1200 UP	16	Lauryl Glucoside	0.5	Co-surfactant
	Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
	Perfume "Commage"	27	Parfum (EU)/Fragrance (US)	0.1	
B	Tego Betain F 50	3	Cocamidopropyl Betaine	5.0	
	NaCl		Sodium Chloride	1.0	
	Demin. water		Aqua	25.0	
C	Demin. water		Aqua	add to 100	
D	Preservative			q.s.	Preservative

*) Supplier list page 62

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. Adjust the pH-value
5. Add phase (D) to (ABC) and homogenize

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, transparent

Transparent Caring Mild Shower Gel for Sensitive Skin

Formulation No.: 13224

Phase	Trademark	*)	INCI name	Weight [%]	Function	
A	MARLINAT 242/90 MC	1	MIPA Laureth Sulfate (and) Propylene Glycol	18.0	Base surfactant, high foaming power	
	MARLOWET CG	1	PEG-18 Castor Oil Dioleate	4.0	Emulsifier for oils	
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed Oil	2.0	Natural oil	
	Sweet Almond oil	32	Prunus Amygdalus Dulcis (Sweet Almond)	1.75	Natural oil	
	Calendula oil	32	Calendula Officinalis Flower Extract	1.0	Natural oil	
	Evening Primrose oil	32	Oenothera Biennis (Evening Primrose) Oil	0.75	Natural oil	
	MARLINAT 242/70 C5	1	Sodium Laureth Sulfate	4.0	Base surfactant	
	Glycerine		Glycerin	1.0	Moisturizing agent	
	B	Tego Betain F 50	3	Cocamidopropyl Betaine	4.0	Co-surfactant
		NaCl		Sodium Chloride	3.5	
	Demin. water		Aqua	25.0		
C	Demin. water		Aqua	add to 100		
D	Ronacare Bisabolol	9	Bisabolol	0.1	Active care agent	
	D-Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent	
	Preservative			q.s.	Preservative	
	Perfume "Commage"	27	Parfum (EU)/Fragrance (US)	0.3		
E	Antil 127	3	PEG-120 Methyl Glucose Dioleate	q.s.		

*) Supplier list page 62

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 and add phase (E) to (ABCD)

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

Appearance: liquid-viscous, transparent

Shower Gel for Men with Caring Emollients

Formulation No.: 15083

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/70 C5	1	Sodium Laureth Sulfate	12.0	Base surfactant, high foaming power
	Demin. water		Aqua	30.0	
B	Tego Betain F 50	3	Cocamidopropyl Betaine	9.5	Co-surfactant
	MARLOWET COE 329	1	PEG-7 Glyceryl Cocoate	0.3	Solubilizer and co-emulsifier
	COSMACOL OE	1	Dicaprylyl Ether	0.3	Rheology modifier, emollient
	COSMACOL ELI	18	C12-13 Alkyl Lactate	0.3	Moisturizing emollient
	ISOFOL 12	1	Butyloctanol	0.3	Light and good spreading emollient, solvent
	Panthenol (w = 0.75)	4	Panthenol	0.8	Active care agent
	Preservative			q.s.	Preservative
	Plantacare 1200 UP	16	Lauryl Glucoside	0.5	Co-surfactant
	Perfume "Sports Men"	78	Parfum (EU) / Fragrance (US)	0.1	
	Demin. water			add to 100	
C	NaCl		Sodium Chloride	q.s.	

*) Supplier list page 62

Preparation (at room temperature):

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

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

Appearance: viscous, transparent

Shaving Foam

Formulation No.: 15011

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/70 C5	1	Sodium Laureth Sulfate	5.0	Base surfactant, high foaming power
	Demin. water		Aqua	20.0	
B	Glycerine		Glycerin	2.0	Moisturizing agent
	Triethanolamine pure, cosmetic	1	Triethanolamine	5.0	Neutralizing agent
	Coconut fatty acid		Coconut Acid	5.0	Surfactant
	MARLIPAL 24/120	1	Laureth-12	1.0	Co-emulsifier
	Perfume "Care"	27	Parfum (EU)/Fragrance (US)	0.1	
	Demin. water		Aqua	add to 100	
C	Sodium sulfate		Sodium Sulfate	0.7	Preservative
	Preservative			q.s.	

*) Supplier list page 62

Preparation (at room temperature):

1. Heat phase (A)
2. Add phase (B) to (A) and homogenize
3. Add phase (C) to (AB) and homogenize
4. 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

Caring Facial Cleansing Foam

Formulation No.: 13762

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	MARLINAT 242/90 MC	1	MIPA Laureth Sulfate (and) Propylene Glycol	10.0	Base surfactant, high foaming power
	MARLOSOL PK 9040	1	Laureth-4	1.5	Nonionic surfactant, emulsifier
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed Oil	0.8	Natural oil
	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	18	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

*) Supplier list page 62

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, transparent

Anti-Acne Facial Cleanser Foam

Formulation No.: 14410

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	COSMACOL OE	1	Dicaprylyl Ether	3.5	Very light, good spreading emollient
	Salicylic acid		Salicylic Acid	1.0	Anti-acne agent
	Ethanol		Ethanol	1.5	Solubilizing agent
B	MARLINAT 242/90 MC	1	MIPA Laureth Sulfate (and) Propylene Glycol	10.0	Base surfactant, high foaming power
	MARLOSOL PK 9040	1	Laureth-4	1.5	Nonionic surfactant, emulsifier
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	0.3	Conditioning and moisturizing emollient
	COSMACOL ELI	18	C12-13 Alkyl Lactate	0.3	Moisturizing emollient
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	0.3	Solubilizing emollient
	Perfume "Commage"	27	Parfum (EU) / Fragrance (US)	0.1	
C	NaCl		Sodium Chloride	1.0	
	Tego Betain F50	3	Cocamidopropyl Betaine	5.0	Co-surfactant
	Demin. water		Aqua	25.0	
D	Demin. water		Aqua	add to 100	
E	Preservative			q.s.	Preservative
	D-Panthenol (w = 0.75)	4	Panthenol	0.7	Active care agent

*) Supplier list page 62

Preparation (at room temperature):

1. Homogenize phase (A), (B) and (C) separately
2. Add phase (A) to (B) 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 and add phase (E) to (ABCD) and homogenize

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, transparent

Day Cream for Matured Skin

Formulation No.: 13751

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	5.0	Moisturizing agent
	Keltrol CGT	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
	Aristoflex AVC	8	Ammonium Acryloyldimethyltaurate/VP Copolymer	0.5	Gelling agent and thickener
	CERALUTION H RSPO-MB	1	See page 63	4.0	Emulsifier, reduces crow feet wrinkles, moisturizer
	NAFOL 1618 H	1	Cetearyl Alcohol	2.5	Co-emulsifier, consistency regulator
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.5	Wrinkle reduction, moisturizing emollient
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	2.0	Mild keratolytic, skin smoothing emollient
	COSMACOL OE	1	Dicaprylyl Ether	1.0	Very light, good spreading emollient
	ISOFOL 20 Native	1	Octyldodecanol	2.5	Medium spreading emollient
	Argan oil	32	Argania Spinosa (Argan) Kernel Oil	3.0	Natural oil
	Beeswax	32	Cera Alba	1.0	Consistency regulator
	Eusolex 2292	9	Ethylhexyl Methoxycinnamate	3.0	UVB-filter
C	Tocopherol	9	Tocopherol	q.s.	Antioxidant
D	Demin. water		Aqua	10.0	
	D-Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
	Citric acid (w = 0.20)			0.25	
E	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.05	
	Preservative			q.s.	

*) Supplier list page 62

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) to (AB) and homogenize
4. Add phase (D) to (ABC) and homogenize
5. Add phase (E) to (ABCD) and homogenize
6. Adjust the pH-value to ~4

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 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

Appearance: viscous-creamy

Night Cream with Shea Butter

Formulation No.: 14151

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	5.0	Moisturizing agent
	Keltrol CGT	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
	Aristoflex AVC	8	Ammonium Acryloyldimethyltaurate/VP Copolymer	0.8	Gelling agent and thickener
	CERALUTION H RSPO-MB	1	See page 63	3.0	Emulsifier, reduces crow feet wrinkles, moisturizer
	NAFOL 1618 H	1	Cetearyl Alcohol	2.0	Co-emulsifier, consistency regulator
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	6.0	Wrinkle reduction, moisturizing emollient
	COSMACOL OE	1	Dicaprylyl Ether	3.0	Very light, good spreading emollient
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	3.0	Mild keratolytic, skin smoothing emollient
	PARAFOL 14 RSPO-MB	1	Tetradecane	4.0	Emollient, replacement for Isoalkanes
	ISOFOL 20 Native	1	Octyldodecanol	3.0	Medium spreading emollient
	MERKUR 773	2	Petrolatum	0.5	Emollient
	Shea butter		Buryspermum Parkii (Shea Butter)	2.0	Natural butter
	Bisabolol	9	Bisabolol	0.3	Active care agent
	Softisan 100	31	Hydrogenated Coco-Glycerides	1.0	Hard fat, consistency regulator
C	Demin. water		Aqua	10.0	
	D-Panthenol (w = 0.75)	4	Panthenol	1.5	Active care agent
D	Preservative			q.s.	
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.05	

*) Supplier list page 62

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) to (AB) and homogenize
4. Add phase (D) to (ABC) and homogenize
5. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 80,000 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-creamy

Atopic Lotion

Formulation No.: 21-18-16-4

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Carephos N	7	Sodium Polyphosphate	0.5	Complexation, Dispersing, Antimicrobial Effect
	Magnesium Sulfate		Magnesium Sulfate	1.0	Stabilizing agent
	Symsave H	6	Hydroxyacetophenone	0.5	Antioxidant
	Demin. water		Aqua	add to 100	
B	COSMACOL ELI	18	C12-13 Alkyl Lactate	5.0	Moisturizing emollient, sebum regulating
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	5.0	Wrinkle reduction, moisturizing emollient
	Cosphaderm Magnolia Extract 98	12	Magnolia Officinalis Bark Extract	0.75	Skin conditioning agent, Antioxidant
	Dermofeel PGPR	13	Polyglyceryl-3 Polyricinoleate	5.0	W/O emulsifier
	ISOFOL 24	1	Octadecane	5.0	Medium spreading and conditioning emollient
	Evening Primrose Oil	32	Oenothera Biennis (Evening Primrose) Oil	10.0	Natural oil
	TITANEL	2	Synthetic Wax	5.0	Consistency regulator

*) Supplier list page 62

Preparation:

1. Heat phase (A) and (B) separately to 80 °C
2. Add phase (A) to (B) and homogenize
3. Cool to 35 °C and homogenize
4. Adjust the pH-value

Viscosity (Brookfield, DV3T): ~ 39,000 mPas, 25 °C

Storage stability in terms of appearance: Stable at 6 °C, room temperature and 40 °C for at least 3 months

Eye Care Lotion

Formulation No.: 15129

Phase	Trademark	*)	INCI name	Weight [%]	Function	
A	Demin. water		Aqua	add to 100		
	Glycerine		Glycerin	4.0	Moisturizing agent	
	Disodium EDTA		Disodium EDTA	0.1	Chelating agent	
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid	
B	CERALUTION H RSPO-MB	1	See page 63	3.0	Emulsifier, reduces crow feet wrinkles, moisturizing agent	
	NAFOL 1822 C	1	Behenyl Alcohol	1.5	Co-emulsifier, consistency regulator	
	MARLOWET COE 329	18	PEG-7 Glyceryl Cocoate	2.5	Solubilizer and Co-emulsifier	
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.5	Wrinkle reduction, moisturizing emollient	
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	1.0	Mild keratolytic, skin smoothing emollient	
	ISOFOL 16 Native	1	Hexyldecanol	3.0	Medium spreading emollient	
	Eusolex 9020	9	Butyl Methoxydi-benzoylmethane	1.0	UVA-filter	
	Eusolex OCR	9	Octocrylene	5.0	UVB-filter	
	Eusolex OS	9	Ethylhexyl Salicylate	5.0	UVB-filter	
	Pomegranate Seed oil	32	Punica Granatum (Pomegranate) Seed Oil	1.0	Natural oil	
	Beeswax	32	Cera Alba	1.0	Natural wax	
	Tocopherol acetate	4	Tocopheryl Acetate	q.s.	Active care agent	
	C	Tocopherol	4	Tocopherol	q.s.	Antioxidant
		Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.05	
	D	Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
Demin. water			Aqua	10.0		
E	1,2 Propandiol		Propylene Glycol	1.0	Humectant	
	Phenoxyethanol		Phenoxyethanol	0.5		
	Hydrolite 5	6	Pentylene Glycol	2.0	Emulsion stabilizer	

*) Supplier list page 62

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), (D) and (E) to (AB) and homogenize
4. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 14,000 mPas, 25 °C

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

Appearance: liquid -viscous

Information:

Calculated SPF: 10.3

UVA-PF/SPF [>0.33]: 0.42

Critical Wavelength: 373 nm

Aftershave Balsam

Formulation No.: 15112

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	5.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.5	Thickening agent, hydrocolloid
	Allantoin		Allantoin	0.2	Active care agent
	CERALUTION H RSPO-MB	1	See page 63	2.5	Emulsifier, reduces crow feet wrinkles, moisturizer
B	NAFOL 1618 H	1	Cetearyl Alcohol	1.0	Co-emulsifier, consistency regulator
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	1.5	Mild keratolytic, skin smoothing emollient
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	4.0	Wrinkle reduction, moisturizing emollient
	COSMACOL ELI	18	C12-13 Alkyl Lactate	1.0	Moisturizing emollient, sebum regulating
	PARAFOL 12 RSPO-MB	1	Dodecane	1.0	Fast spreading emollient, replacement for Cyclomethicone
	Softisan 100	31	Hydrogenated Coco-Glycerides	1.5	Hard fat / consistency regulator
	Bisabolol	4	Bisabolol	0.2	Active care agent
	Tocopherol	4	Tocopherol	q.s.	Antioxidant
D	Demin. water		Aqua	10.0	
	D-Panthenol (w = 0.75)	4	Panthenol	1.5	Active care agent
	Demin. Water with 50% Sodiumlactate	9	Sodium Lactate	2.0	Buffer
	Lactic acid	9	Lactic Acid	0.2	Buffer
E	Preservative			q.s.	
	Perfume "Sportsmen"	78	Parfum (EU) / Fragrance (US)	0.05	

*) Supplier list page 62

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) to (AB) and homogenize
4. Add phase (D) and (E) to (ABC) and homogenize
5. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 15,000 mPas, 25 °C

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

Appearance: liquid-viscous, milky

Hydro Energy Gel for Men

Formulation No.: 15119

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Aristoflex AVC	8	Ammonium Acryloyldimethyltaurate / VP Copolymer	0.4	Gelling agent and thickener
	Glycerine		Glycerin	4.0	Moisturizing agent
	Demin. water		Aqua	28.7	
	Disodium EDTA		Disodium EDTA	0.1	Chelating agent
B	COSMACOL ELI	18	C12-13 Alkyl Lactate	2.0	Moisturizing emollient, sebum regulating
	COSMACOL OE	1	Dicaprylyl Ether	3.0	Very light, good spreading emollient
	PARAFOL 12 RSPO-MB	1	Dodecane	1.0	Fast spreading emollient, replacement for cyclomethicone
	Shea butter	32	Butyrospermum Parkii (Shea) Butter	1.0	Natural butter
C	Menthol		Menthol	0.15	Cooling agent
	Ethanol (96%)		Alcohol denat.	20.0	Cooling agent
D	Carbopol Ultrez 20 Polymer	30	Acrylates / C10-30 Alkyl Acrylate Crosspolymer	0.5	Thickening and stabilizing agent
	Demin. water		Aqua	add to 100	
E	Preservative			q.s.	
F	Sodium Hydroxide 10 % in water		Sodium Hydroxide	q.s.	pH adjustment

*) Supplier list page 62

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) to (AB) and homogenize
4. Add phase (D) and (E) and homogenize
5. Adjust the pH-value by adding phase (F)

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 78,000 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

CC Cream with SPF 10 and Natural Oil

Formulation No.: 14372

Phase	Trademark	*)	INCI name	Weight [%]	Function	
A	Demin. water		Aqua	add to 100		
	Glycerin		Glycerin	3.0	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	
	Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent	
B	CERALUTION H RSPO-MB	1	See page 63	3.5	Emulsifier, reduces crow feet wrinkles, moisturizer	
	NAFOL 1618 H	1	Cetearyl Alcohol	2.0	Co-emulsifier, consistency regulator	
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.5	Wrinkle reduction, moisturizing emollient	
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	0.5	Mild keratolytic, skin smoothing emollient	
	Softisan 100	31	Hydrogenated Coco-Glycerides	1.5	Hard fat, consistency regulator	
	Eusolex 9020	9	Butyl Methoxydibenzoylmethane	2.0	UVA-filter	
	Eusolex HMS	9	Homosalate	5.0	UVB-filter	
	Eusolex OCR	9	Octocrylene	5.0	UVB-filter	
	Softisan 649	31	Bis-Diglyceryl Polyacyladipate-2	2.0	Protective oil component with high affinity to skin	
	PARAFOL 14 RSPO-MB	1	Tetradecane	2.0	Emollient, replacement for Isoalkanes	
	Ganex V-220	60	VP/Eicosene Copolymer	1.5	Film former, water resistance improver	
	Tocopheryl acetate	4	Tocopheryl Acetate	q.s.	Active care agent	
	C	Soft Tex Yellow C33-7720/ Brown C33-7715	58	C.I. 77492; C.I. 77491; C.I. 77492; C.I. 77499	0.25/0.75	Color agent
		SunPURO Titanium Dioxide	58	C.I. 77891	2.0	Color agent
		Rona Flair Balance Red/ Gold/Blue	9	MICA (and) Titanium Dioxide (and) Tin Oxide	1.0/0.25/0.1	Color agent
Titan (IV) oxide		9	Titanium Dioxide	2.5	Color agent	
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	9.0	Solubilizing emollient	
D	Preservative			q.s.		
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.05		

*) Supplier list page 62

Preparation:

1. Heat phase (A) and (B) separately to 70 °C
2. Homogenize phase (C) and add (C) to (B), homogenize
3. Add phase (BC) to phase (A) and homogenize
4. Cool to 40 °C and add phase (D) to (ABC) and homogenize
5. Adjust the pH-value

Information:

Calculated SPF: 11.8
 UVA-PF/SPF >0.33]: 0.61
 Critical Wavelength: 376 nm

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 53,000 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-creamy

Lip Care with Natural Based and Caring Emollients (SPF 20 - EU)

Formulation No.: 15114

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	SASOLWAX 3971	2	Microcrystalline Wax	20.0	Structure and hardness, consistency regulator
	Cocoa butter	32	Theobroma Cacao (Cocoa) Seed Butter	10.0	Natural butter
	Shea butter	32	Butyrospermum Parkii (Shea Butter)	10.0	Natural butter
	NAFOL 1618 S	1	Cetearyl Alcohol	15.0	Co-emulsifier, consistency regulator
	Beeswax	32	Cera Alba	2.0	Natural wax
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	2.5	Mild keratolytic, skin smoothing emollient
B	Eusolex 9020	9	Butyl Methoxydibenzoylmethane	5.0	UVA-filter
	ISOFOL 20 Native	1	Octyldodecanol	15.0	Natural oil
	Castor oil	32	Castor (Ricinus Communis) Seed Oil	4.0	Active care agent
	Tocopheryl acetate	4	Tocopheryl Acetate	q.s.	Improves photo protection, active care agent
	Eusolex OCR	9	Octocrylene	10.0	UVB-filter
	Eusolex OS	9	Ethylhexyl Salicylate	5.0	UVB-filter
	Tocopherol	4	Tocopherol	q.s.	Antioxidant
	Perfume "Vanilla"		Parfum (EU) / Fragrance (US)	0.4	

*) Supplier list page 62

Preparation:

1. Heat phase (A) to 70 °C and homogenize
2. Add phase (B) and homogenize
3. Cool to 35 °C - 40 °C and adjust the pH-value

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

Information:

Calculated SPF: 22.2 UVA-PF/SPF >0.33]: 0.69 Critical Wavelength: 376 nm

Winter Cream with High Amounts of Caring Oils

Formulation No.: 13634

Phase	Trademark	*)	INCI name	Weight [%]	Function	
A	Demin. water		Aqua	add to 100		
	Glycerine		Glycerin	5.0	Moisturizing agent	
	Keltrol CGT	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid	
B	Aristoflex AVC	8	Ammonium Acryloyldimethylsulfate/ VP Copolymer	0.5	Gelling agent and thickener	
	CERALUTION H RSP0-MB	1	See page 63	4.0	Emulsifier, reduces crow feet wrinkles, moisturizer	
	NAFOL 1618 H	1	Cetearyl Alcohol	1.5	Co-emulsifier, consistency regulator	
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.5	Wrinkle reduction, moisturizing emollient	
	ISOFOL 18T	1	Octyldecanol	3.0	Medium spreading emollient	
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	1.5	Mild keratolytic, skin smoothing emollient	
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	3.0	Solubilizing agent	
	Calendula oil	32	Calendula Officinalis Flower Extract	1.0	Natural oil	
	Sunflower oil	32	Helianthus Annuus (Sunflower) Seed Oil	4.0	Natural oil	
	Almond oil	32	Prunus Amygdalus Dulcis (Sweet Almond) Oil	2.0	Natural oil	
	Avocado oil	32	Persea gratissima (Avocado) oil	1.0	Natural oil	
	C	Tocopherol	4	Tocopherol	q.s.	Antioxidant
		Preservative			q.s.	
		Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.05	

*) Supplier list page 62

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) to (AB) and homogenize
4. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 40,000 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

Body Milk

Formulation No.: 14441

Phase	Trademark	*)	INCI name	Weight [%]	Function	
A	Demin. water		Aqua	add to 100		
	Glycerine		Glycerin	4.0	Moisturizing agent	
	Keltrol CG T	5	Xanthan Gum	0.5	Thickening agent / hydrocolloid	
B	CERALUTION H RSP0-MB	1	See page 63	4.0	Emulsifier / reduces crow feet wrinkles / moisturizer	
	NAFOL 1618 H	1	Cetearyl Alcohol	2.0	Co-emulsifier, consistency regulator	
	Almond oil	32	Prunus Amygdalus Dulcis (Sweet Almond) Oil	2.0	Natural oil	
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	2.0	Mild keratolytic, skin smoothing emollient	
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	3.0	Wrinkle reduction, moisturizing emollient	
	COSMACOL OE	1	Dicaprylyl Ether	3.0	Very light, good spreading emollient	
	ISOFOL 24	1	Decyltetradecanol	5.0	Polar emollient, medium spreading	
	Cacao butter		Theobroma Cacao (Cocoa) Seed Butter	1.0	Natural butter	
	C	Perfume "Fruity"		Parfum (EU)/Fragrance (US)	0.05	
		Ethanol		Ethanol	5.0	Cooling agent
		Hydrolite 5		Pentylene Glycol	2.0	Emulsion stabilizer
	D	Preservative			q.s.	Preservative

*) Supplier list page 62

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) to (D) and homogenize
4. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 17,000 mPas, 25 °C

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

Appearance: liquid

Basic Milk with Jojoba Oil

Formulation No.: 15002

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	CERALUTION CPE	1	See page 63	4.0	Self-emulsifying concentrate / cold-processing possible / for sprays, wipes, lotions, creams
B	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	1.0	Wrinkle reduction, moisturizing emollient
	COSMACOL ELI	18	C12-13 Alkyl Lactate	1.5	Moisturizing emollient, sebum regulating
	ISOFOL 20 Native	1	Octyldodecanol	6.5	Medium spreading emollient
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed Oil	1.0	Natural oil
C	Demin. water		Aqua	add to 100	
	Keltrol CGT	5	Xanthan Gum	0.5	Thickening agent, hydrocolloid
	Glycerine		Glycerin	2.0	Moisturizing agent
D	Preservative			q.s.	

*) Supplier list page 62

Preparation:

1. Add phase B to A at room temperature and homogenize. Please make sure that phase B is added slowly, otherwise local and irreversible phase inversion can occur
2. Add phase C, after the Keltrol is well swelled, to AB and homogenize
3. Add phase D to phase ABC and homogenize

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 4,400 mPas, 25 °C

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

Appearance: liquid

Soft and Caring Body Cream for Babies

Formulation No.: 13017

Phase	Trademark	*)	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 Acryloyl-dimethyltaurate/ VP Copolymer	0.5	Gelling agent and thickener
B	CERALUTION H RSP0-MB	1	See page 63	4.0	Emulsifier, reduces crow feet wrinkles, moisturizer
	NAFOL 1618 H	1	Cetearyl Alcohol	2.0	Co-emulsifier, consistency regulator
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.0	Wrinkle reduction, moisturizing agent
	COSMACOL OE	1	Dicaprylyl Ether	3.0	Very light, good spreading emollient
	ISOFOL 20 Native	1	Octyldodecanol	5.0	Medium spreading emollient
	ISOFOL 16 Native	1	Hexyldecanol	2.0	Medium spreading emollient
	Calendula oil		Calendula Officinalis Flower Extract	1.0	Natural oil
	Almond oil	32	Prunus Amygdalus Dulcis (Sweet Almond) Oil	1.0	Natural oil
	Sunflower oil	32	Helianthus Annuus (Sunflower) Seed Oil	2.0	Natural butter
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	2.0	Mild keratolytic, skin smoothing emollient
	Cocoa butter	32	Theobroma Cacao (Cocoa) Seed Butter	1.0	Natural butter
	Tocopheryl acetate	4	Tocopheryl Acetate	q.s.	Active care agent
C	Panthenol (w = 0.75)	4	Panthenol	2.0	Active care agent
	Demin. water		Aqua	10.0	
D	Preservative			q.s.	
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.1	

*) Supplier list page 62

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) to (AB) and homogenize
4. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 48,000 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

Hand Cream Light and Soft

Formulation No.: 13674

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	5.0	Moisturizing agent
	Keltrol CGT	5	Xanthan Gum	0.4	Thickening agent, hydrocolloid
	Aristoflex AVC	8	AmmoniumAcryloyldimethyltaurate / VP Copolymer	0.4	Gelling agent and thickener
B	GALENOL 1618 AE	1	Cetearyl Alcohol (and) Ceteareth-20	6.0	Nonionic self-emulsifying mixture for O/W-emulsions
	ISOFOL 20 Native	1	Octyldodecanol	5.0	Medium spreading emollient
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	5.0	Wrinkle reduction, moisturizing emollient
	COSMACOL OE	1	Dicaprylyl Ether	6.0	Very light, good spreading emollient
	Beeswax	32	Cera Alba	1.0	Natural wax, consistency regulator
C	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.05	
	Preservative			q.s.	

*) Supplier list page 62

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) to (AB) and homogenize
4. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 55,000 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

Tattoo Care Cream

Formulation No.: 21-19-32-3

Phase	Trademark	*)	INCI name	Weight [%]	Function	
A	Demin. water		Aqua	add to 100		
	Hydrolite 5 green	6	Pentylene Glycol	5.0	Emulsion stabilizer	
	Arginin L	6	Arginine	0.1	Moisturizing agent	
B	ISOFOL 20	1	Octyldodecanol	5.0	Medium spreading emollient	
	Prebiulin C90	24	Cellulose Gum (and) Xanthan Gum (and) Inulin (and) Cellulose (and) Glucose (and) Fructose	1.0	Emulsion stabilizer	
C	Symbio muls GC MB	13	Glyceryl Stearate Citrate (and) Cetearyl Alcohol (and) Glyceryl Caprylate	3.0	O/W-emulsifier blend	
	Eumulgin SG	16	Sodium Stearoyl Glutamate	1.0	O/W-emulsifier	
	NAFOL 1618	1	Cetearyl Alcohol	1.0	Co-emulsifier, consistency regulator	
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	5.0	Solubilizing emollient	
	TITANEL	2	Synthetic Wax	2.0	Consistency regulator	
	Sphingokine NP	3	Caproyl Phytosphingosine	0.2	Multilayer skin activator	
	Tocopherol acetate		Tocopheryl Acetate	1.0	Antioxidant	
	SLM 2026	25	Water/Aqua, Caprylic/Capric Triglyceride, Hydrogenated Phosphatidylcholine, Pentylene Glycol, Glycerin, Butyrospermum Parkii (Shea) Butter, Squalane, Ceramide NP	5.0	Skin cell renovator	
	D	Perfume "Hydra Expert E_1407994"	11	Parfum (EU) / Fragrance (US)	0.4	

*) Supplier list page 62

Preparation:

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

Storage stability in terms of appearance: Stable at 6 °C, room temperature and 40 °C for at least 3 months

Appearance: viscous

Caring Anti-Aging Milk (SPF 6)

Formulation No.: 15130

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	6.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.5	Thickening agent, hydrocolloid
B	CERALUTION H RSPO-MB	1	See page 63	3.0	Emulsifier, reduces crow feet wrinkles, moisturizer
	NAFOL 1822 B	1	Behenyl Alcohol	1.5	Consistency regulator, increases viscosity
	COSMACOL OE	1	Dicaprylyl Ether	5.0	Very light, good spreading emollient
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.5	Wrinkle reduction, moisturizing emollient
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	1.5	Mild keratolytic, skin smoothing emollient
	COSMACOL ELI	18	C12-13 Alkyl Lactate	1.5	Moisturizing emollient, sebum regulating
	PARAFOL 12 RSPO-MB	1	Dodecane	4.0	Fast spreading emollient, Cyclomethicone replacer
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed Oil	1.0	Natural oil
	Eusolex 2292	9	Ethylhexyl Methoxycinnamate	2.5	UVB-filter
	Eusolex 9020	9	Butyl Methoxydibenzoylmethane	1.0	UVA-filter
	Beeswax	32	Cera Alba	1.0	Natural wax, consistency regulator
	Ganex V-220	60	VP / Eicosene Copolymer	0.5	Film former, water resistance improver
	Tocopheryl acetate	4	Tocopheryl Acetate	q.s.	Active care agent
C	Tocopherol	4	Tocopherol	q.s.	Antioxidant
D	Panthenol (w=0.75)	4	Panthenol	1.0	Active care agent
	Demin. water		Aqua	10.0	
E	Preservative			q.s.	Preservative
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.05	

*) Supplier list page 62

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), (D) and (E) to (AB) and homogenize
4. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 18,000 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

Anti-Wrinkle Cream (SPF 10)

Formulation No.: 13589

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	5.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
	Aristoflex AVC	8	Ammonium Acryloyldimethyltaurate/ VP Copolymer	0.8	Gelling agent and thickener
	Disodium EDTA		Disodium EDTA	0.1	Chelating agent
B	CERALUTION H RSPO-MB	1	See page 63	4.0	Emulsifier, reduces crow feet wrinkles, moisturizer
	NAFOL 1618 H	1	Cetearyl Alcohol	1.5	Co-emulsifier, consistency regulator
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	6.0	Wrinkle reduction, moisturizing agent
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	1.0	Mild keratolytic, skin smoothing emollient
	ISOFOL 20 Native	1	Octyldodecanol	6.0	Medium spreading emollient
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed oil	0.5	Natural oil
	Softisan 649	31	Bis-Diglyceryl Polyacyladipate-2	1.0	Oil component with affinity to skin
	Softisan 100	31	Hydrogenated Coco-Glycerides	1.0	Hard fat, consistency regulator
	Eusolex 9020	9	Butyl Methoxydibenzoylmethane	2.0	UVA-filter
	Eusolex 2292	9	Ethylhexyl Methoxycinnamate	5.0	UVB-filter
	Tocopheryl acetate	4	Tocopheryl Acetate	q.s.	Active care agent
C	Demin. water		Aqua	10.0	
	D-Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
D	Preservative			q.s.	
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.05	

*) Supplier list page 62

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) to (AB) and homogenize
4. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 71,500 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

Conditioning Cream (Free of Emulsifier)

Formulation No.: 15007

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	5.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
	Rapithix A100	84	Sodium Polyacrylate	1.0	Thickening and stabilizing agent
B	NACOL 16-98	1	Cetyl Alcohol	5.0	Consistency regulator
	Almond oil	32	Prunus Amygdalus Dulcis (Almond) Oil	1.0	Natural oil
	Shea butter	32	Butyrospermum Parkii (Shea) Butter	2.5	Natural butter
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.5	Wrinkle reduction, moisturizing emollient
	PARAFOL 12 RSPO-MB	1	Dodecane	1.5	Fast spreading emollient, replacement for Cyclomethicone
	PARAFOL 22-95	1	Docosane	1.5	Replacement for Dimethicone
	Aloe vera gel		Aloe Barbadensis Leaf Juice	0.3	Active care agent
	C	Panthenol (w=0.75)	4	Panthenol	1.0
D	Demin. water		Aqua	10.0	
	Perfume "Raspberry"		Parfum (EU) / Fragrance (US)	0.05	
	Preservative			q.s.	

*) Supplier list page 62

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) to (AB), homogenize
4. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 100,000 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

All Purpose Cream

Formulation No.: 21-18-16-8

Phase	Trademark	*)	INCI name	Weight [%]	Function	
A	Cosphaderm LA-T	12	Levulinic Acid + Glycerin + Sodium Levulinate + Aqua	3.0	Caring agent, antimicrobial	
	Glycerine		Glycerin	8.0	Moisturizing agent	
	Magnesium Sulfate		Magnesium Sulfate	0.7	Stablizing agent	
	Panthenol (w = 0.75)	4	Panthenol	0.75	Active care agent	
	Demin. water		Aqua	add to 100		
B	Citric Acid		Citric acid	0.35	Buffer – pH adjustment	
	COSMACOL ELI	18	C12-13 Alkyl Lactate	1.0	Moisturizing emollient, sebum regulating	
	Dehymuls PGPH	16	Polyglyceryl-2 Dipolyhydroxystearate	2.0	Emulsifier	
	ISOFOL 20 Native	1	Octyldodecanol	2.0	Medium spreading emollient	
	Isolan GI 34	3	Polyglyceryl-4 Isostearate	1.8	Emulsifier	
	MERKUR 500	2	Petrolatum	5.0	Emollient	
	Paraffinum Liquidum		Paraffinum Liquidum	7.0	Emollient	
	TITANEL	2	Synthetic Wax	3.0	Consistency regulator	
	C	Parfum "Hydra Expert E_1407994"	11	Parfum (EU) / Fragrance (US)	0.35	

*) Supplier list page 62

Preparation:

1. Heat phase (A) to 90 °C
2. Heat phase (B) to 80 °C
3. Add phase (A) to (B) and homogenize
4. Cool to 35 °C and add phase (C) to (AB) and homogenize

Viscosity (Brookfield, DV3T): ~ 325,000 mPas, 25 °C

Storage stability in terms of appearance: Stable at 6 °C, room temperature and 40 °C for at least 3 months

Butter Cream

Formulation No.: 21-17-3-4

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Glycerine		Glycerin	5.0	Moisturizing agent
	Microcare SBS	10	Aqua + Sodium Benzoate + Sodium Salicylate	1.5	Preservative
	Demin. water		Aqua	add to 100	
B	CERALUTION H RSPO-MB	1	See page 63	3.0	Emulsifier/ reduces crow feet wrinkles/ moisturizer
	NAFOL 1618	1	Cetearyl Alcohol	1.0	Co-emulsifier/consistency regulator
	COSMACOL ELI	18	C12-13 Alkyl Lactate	2.0	Moisturizing emollient, sebum regulating
	TITANEL	2	Synthetic Wax	4.0	Consistency regulator
C	BRB DM 55	19	Dimethicone	5.0	Emollient
	Sepimax ZEN	70	Polyacrylate Crosspolymer-6	1.0	Thickening agent
	Xiameter PMX-1503 Fluid	75	Dimethicone + Dimethiconol	5.0	Emollient
D	Parfum "Hydra Expert E_1407994"	11	Parfum (EU) / Fragrance (US)	0.5	

*) Supplier list page 62

Preparation:

1. Heat phase (A) to 80 °C
2. Heat phase (B) to 90 °C
3. Add phase (B) to (A) and homogenize
4. Cool to 35 °C and add phase (C) and (D) to (AB) and homogenize
5. Adjust the pH-value

Viscosity (Brookfield, DV3T): ~ 190,000 mPas, 25 °C

Storage stability in terms of appearance: Stable at 6 °C, room temperature and 40 °C for at least 3 months

Moisturizing Lotion

Formulation No.: 15131

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	4.0	Moisturizing agent
	Keltrol CGT	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
	Aristoflex AVC	8	Ammonium Acryloyldimethyltaurate/ VP Copolymer	0.3	Gelling agent and thickener
	Disodium EDTA		Disodium EDTA	0.1	Chelating agent
B	CERALUTION H RSPO-MB	1	See page 63	4.0	Emulsifier, reduces crow feet wrinkles, moisturizer
	NAFOL 1822 C	1	Behenyl Alcohol	2.0	Co-emulsifier, consistency regulator
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	3.0	Wrinkle reduction, moisturizing emollient
	ISOFOL 20 Native	1	Octyldodecanol	3.0	Medium spreading emollient
	Avocado oil	32	Persea gratissima (Avocado) oil	2.0	Natural oil
	Shea butter	32	Butyruspermum Parkii (Shea Butter)	1.0	Natural butter
	PARAFOL 22-95	1	Docosane	2.0	Replacement for Dimethicone
	PARAFOL 12 RSPO-MB	1	Dodecane	2.0	Fast spreading emollient, replacement for Cyclomethicone
	TITANEL	2	Synthetic Wax	2.0	Consistency regulator
C	Perfume "Mira Bai"	27	Parfum (EU) / Fragrance (US)	0.05	
	Ethanol		Ethanol	5.0	Cooling agent
	Preservative			q.s.	

*) Supplier list page 62

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) to (AB) and homogenize
4. Adjust the pH-value

Viscosity (Haake,RheoStress 1, 1s⁻¹): ~ 27.000 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

Sunscreen Lotion (SPF 30)

Formulation No.: 13628

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	5.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
	CERALUTION H RSPO-MB	1	See page 63	4.0	Emulsifier, reduces crow feet wrinkles, moisturizer
B	NAFOL 1618 H	1	Cetearyl Alcohol	1.0	Co-emulsifier, consistency regulator
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.0	Wrinkle reduction, moisturizing emollient
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	3.0	Solubilizing agent
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	1.0	Mild keratolytic, skin smoothing emollient
	ISOFOL 20 Native	1	Octyldodecanol	1.0	Medium spreading emollient
	Eusolex 9020	9	Butyl Methoxydibenzoyl-methane	5.0	UVA-filter
	Eusolex 2292	9	Ethylhexyl Methoxycinnamate	3.0	UVB-filter
	Eusolex OCR	9	Octocrylene	4.0	UVB-filter
	Tocopheryl acetate	4	Tocopheryl Acetate	q.s.	Active care agent
C	Tinosorb A2B	16	Tris-Biphenyl Triazine (and) Aqua (and) Decyl Glucoside (and) Butylene Glycol (and) Disodium Phosphate (and) Xanthan Gum	4.0	UVA/UVB-filter
	Demin. water		Aqua	30.0	
D	Allianz OPT	84	Acrylates/C12-22 Alkylmethacrylate Copolymer	1.0	Film former providing water resistance
	Preservative			q.s.	
	Perfume "Orange"	27	Parfum (EU)/Fragrance (US)	0.05	

*) Supplier list page 62

Preparation:

1. Heat phase (A) and (B) separately to 70 °C
2. Add phase (B) to (A) and homogenize
3. Heat phase (C) to 50 °C
4. Cool phase (AB) to 50 °C and add phase (C) and (D) under stirring
5. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 20,000 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-creamy

Information:

Calculated SPF: 34.1
UVA-PF/SPF (>0.33): 0.39

UVA/UVB: 0.82
Critical Wavelength: 376 nm

Star Rating: ****
UVA-PF: 13.3

Sunscreen Lotion (SPF 50)

Formulation No.: 14274

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Eusolex T-AVO	9	Titanium Dioxide (and) Silica	8.0	Inorganic UVA/UVB-filter
B	Glycerine		Glycerin	1.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
C	CERALUTION H RSPO-MB	1	See page 63	3.0	Emulsifier, reduces crow feet wrinkles, moisturizer
	NAFOL 1618 H	1	Cetearyl Alcohol	0.5	Co-emulsifier, consistency regulator
	COSMACOL ELI	18	C12-13 Alkyl Lactate	2.0	Moisturizing emollient, sebum regulating
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	7.5	Solubilizing emollient
	Eusolex 9020	9	Butyl Methoxydibenzoyl-methane	5.0	UVA-filter
	Eusolex 4360	9	Benzophenone-3	10.0	UVA/UVB-filter
	Eusolex OCR	9	Octocrylene	8.0	UVB-filter
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed Oil	1.0	Natural oil
D	Tocopherol	4	Tocopherol	q.s.	Antioxidant
E	Allianz OPT	84	Acrylates/C12-22 Alkylmethacrylate Copolymer	1.0	Film former providing water resistance
	Preservative			q.s.	
	Perfume "Orange"	27	Microcrystalline Cellulose (and) Cellulose Gum	0.1	

*) Supplier list page 62

Preparation:

1. Homogenize phase (A) until the TiO₂ is well dispersed
2. Add phase (B) to (A)
3. Heat phase (AB) and (C) separately to 70 °C
4. Add phase (C) to (AB) and homogenize
5. Cool to 35 °C and add phase (D) and (E) to (ABC) and homogenize
6. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 29,000 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-creamy

Information:

Calculated SPF: 52.4
UVA-PF/SPF (>0.33): 0.35

UVA/UVB Ratio: 0.78
Critical Wavelength: 374 nm

Star Rating: ***
UVA-PF: 18.2

Sun Cream SPF 30

Formulation No.: 21-18-16-2

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Carephos N	7	Sodium Polyphosphate	0.5	Complexation, Dispersing, Antimicrobial Effect
	Magnesium Sulfate		Magnesium Sulfate	1.0	Stabilizing agent
	Symsave H	6	Hydroxyacetophenone	0.5	Anti-oxidant and soothing agent
	Demin. water		Aqua	add to 100	
B	COSMACOL ELI	18	C12-13 Alkyl Lactate	5.0	Moisturizing emollient, sebum regulating
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	10.0	Solubilizing emollient
	Cosphaderm Magnolia Extract 98	12	Magnolia Officinalis Bark Extract	0.75	Skin conditioning agent, Antioxidant
	Dermofeel PGPR	13	Polyglyceryl-3 Polyricinoleate	5.0	W/O emulsifier
	Neo Heliopan 303	6	Octocrylene	10.0	UVB-filter
	Parsol 1789	64	Butyl Methoxydibenzoyl-methane	5.0	UVA-filter
	TITANEL	2	Synthetic Wax	5.0	Consistency regulator
	Uvinul T 150	16	Ethylhexyl Triazone	4.0	UVB-filter

*) Supplier list page 62

Preparation:

1. Heat phase (A) to 80 °C
2. Heat phase (B) to 90 °C
3. Add slowly phase (A) to (B) and homogenize
4. Cool to 35 °C and homogenize

Viscosity (Brookfield, DV3T): ~ 27,000 mPas, 25 °C

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

Information:

Calculated SPF: 34.1 UVA/UVB Ratio: 0.72 Star Rating: ***
 UVA-PF/SPF [>0.33]: 0.35 Critical Wavelength: 375 nm UVA-PF: 11.9

Sunscreen Cream with ZnO (SPF 30 - US)

Formulation No.: 13639

Phase	Trademark	*)	INCI name	Weight [%]	Function	
A	Demin. water		Aqua	add to 100		
	Glycerine		Glycerin	5.0	Moisturizing agent	
	Keltrol CG T	5	Xanthan Gum	0.5	Thickening agent, hydrocolloid	
B	CERALUTION H RSPO-MB	1	See page 63	3.5	Emulsifier, reduces crow feet wrinkles, moisturizer	
	NAFOL 1618 H	1	Cetearyl Alcohol	1.5	Co-emulsifier, consistency regulator	
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	2.0	Mild keratolytic, skin smoothing emollient	
	Eusolex 9020	9	Butyl Methoxy-dibenzoylmethane	3.0	UVA-filter	
	Eusolex OCR	9	Octocrylene	10.0	UVB-filter	
	Eusolex 4360	9	Benzophenone-3	6.0	UVA/UVB-filter	
	Arlacel P135	61	PEG-30 Dipolyhydroxystearate	0.2	Emulsifier	
	Tocopheryl Acetate	4	Tocopheryl Acetate	q.s.	Active care agent	
	Ganex V-220	60	VP/ Eicosene Copolymer	1.5	Film former, water resistance improver	
	C	Z-Cote HP 1	16	Zinc Oxide (and) Dimethicone	10.0	Inorganic UVA/UVB-filter
		COSMACOL EBL	18	C12-15 Alkyl Benzoate	8.0	Solubilizing emollient
		COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.0	Wrinkle reduction, moisturizing emollient
	D	Preservative			q.s.	
Demin. water with 20% Citric Acid			Citric Acid	q.s.	pH adjustment 6.0	
Perfume "Orange"		27	Parfum (EU)/ Fragrance (US)	0.05		

*) Supplier list page 62

Preparation:

1. Heat phase (A), and (B) separately to 70 °C
2. Homogenize phase (C)
3. Add phase (C) to (B) and homogenize
4. Add phase (BC) to (A) and homogenize
5. Cool to 35 °C and add phase (D) to (ABC) and homogenize
6. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 39,000 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-creamy

Information:

Calculated SPF: 32.8 UVA/UVB Ratio: 0.78 Star Rating: ***
 UVA-PF/SPF [>0.33]: 0.45 Critical Wavelength: 375 nm

Sunscreen Cream (SPF 50)

Formulation No.: 14346

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Aristoflex AVC	8	Ammonium Acryloyldimethyltaurate/ VP Copolymer	0.3	Gelling agent and thickener
	Glycerine		Glycerin	1.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
B	CERALUTION H RSPO-MB	1	See page 63	4.0	Emulsifier, reduces crow feet wrinkles, moisturizer
	NAFOL 1618 H	1	Cetearyl Alcohol	1.0	Co-emulsifier, consistency regulator
	COSMACOL ELI	18	C12-13 Alkyl Lactate	1.0	Moisturizing emollient, sebum regulating
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	4.0	Solubilizing emollient
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	0.5	Mild keratolytic, skin smoothing emollient
	Eusolex 9020	9	Butyl Methoxydibenzoylmethane	5.0	UVA-filter
	Uvinul A Plus B	16	Ethylhexyl Methoxycinnamate (and) Diethylamino Hydroxybenzoyl Hexyl Benzoate	15.5	UVA/UVB-filter
	Eusolex OCR	9	Octocrylene	7.5	UVB-filter
	Lexfilm Sun	83	Polyester-7 (and) Neopentyl Glycol Diheptanoate	1.0	Film former, water resistance improver
C	Eusolex T-AVO	9	Titanium Dioxide (and) Silica	7.5	Inorganic UVA/UVB-filter
D	Tocopherol		Tocopherol	q.s.	Antioxidant
	Perfume "Orange"	27	Parfum (EU) / Fragrance (US)	0.1	
	Preservative			q.s.	

*) Supplier list page 62

Preparation:

1. Heat phase (A) and (B) separately to 70 °C
2. Add phase (C) to (B) until the TiO₂ is well dispersed
3. Add phase (BC) to (A) and homogenize
4. Cool to 35 °C and add phase (D) to (ABC) and homogenize
5. Adjust the pH-value pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 55,000 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-creamy

Information:

Calculated SPF: 50.5

UVA-PF/SPF >0.33]: 0.34

UVA/UVB Ratio: 0.80

Critical Wavelength: 375 nm

Star Rating: ***

UVA-PF: 16.9

Sunscreen Spray (SPF 30 – EU)

Formulation No.: 13648

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	10.0	
	Glycerine		Glycerin	5.0	Moisturizing agent, anti-freeze
	Keltrol CG T	5	Xanthan Gum	0.2	Thickening agent, hydrocolloid
B	CERALUTION ES RSPO-MB	1	See page 63	3.0	Emulsifier and dispersant
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	5.0	Solubilizing emollient
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.5	Wrinkle reduction, moisturizing emollient
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	1.5	Mild keratolytic, skin smoothing emollient
	Almond oil	32	Prunus Amygdalus Dulcis (Sweet Almond) Oil	0.5	Natural oil
	Eusolex 9020	9	Butyl Methoxydibenzoylmethane	5.0	UVA-filter
	Eusolex OCR	9	Octocrylene	10.0	UVB-filter
	Tinosorb S	16	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	2.0	UVA/UVB-filter
	Eusolex 2292	9	Ethylhexyl Methoxycinnamate	5.0	UVB-filter
	Lexfilm Sun	83	Polyester-7 (and) Neopentyl Glycol Diheptanoate	1.5	Film former, 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.	
	Perfume "Orange"	27	Parfum (EU) / Fragrance (US)	0.05	

*) Supplier list page 62

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), (D) and (E) to (AB) and homogenize
4. 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:

Calculated SPF: 35.1

UVA-PF/SPF >0.33]: 0.45

Star Rating: ***

Critical Wavelength: 374 nm

Sunscreen Spray (SPF 50+)

Formulation No.: 14316

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	15.0	
	Glycerine		Glycerin	1.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.2	Thickening agent, hydrocolloid
B	CERALUTION ES RSPO-MB	1	See page 63	3.0	Emulsifier and dispersant
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	5.0	Solubilizing emollient
	COSMACOL ELI	18	C12-13 Alkyl Lactate	2.0	Moisturizing emollient, sebum regulating
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	1.0	Mild keratolytic, skin smoothing emollient
	Eusolex 9020	9	Butyl Methoxy-dibenzoylmethane	5.0	UVA-filter
	Eusolex OCR	9	Octocrylene	7.5	UVB-filter
	Tinosorb S	16	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	7.5	UVA/UVB-filter
	Eusolex 2292	9	Ethylhexyl Methoxycinnamate	7.5	UVB-filter
	Uvinul T 150	16	Ethylhexyl Triazone	2.0	UVB-filter
	Lexfilm Sun	83	Polyester-7 (and) Neopentyl Glycol Diheptanoate	1.0	Film former, 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.	
	Perfume "Orange"	27	Parfum (EU) / Fragrance (US)	0.05	

*) Supplier list page 62

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), (D), and (E) and homogenize
4. 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:

Calculated SPF: 61.0
UVA-PF/SPF [>0.33]: 0.34

UVA/UVB Ratio: 0.76
Critical Wavelength: 372 nm

Star Rating: ***
UVA-PF: 20.6

Transparent Sunscreen Pump Spray without Ethanol (SPF 30)

Formulation No.: 14158

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Eusolex OCR	9	Octocrylene	10.0	UVB-filter
	Eusolex HMS	9	Homosalate	10.0	UVB-filter
	Eusolex 9020	9	Butyl Methoxydi-benzoylmethane	5.0	UVA-filter
	Tinosorb S	16	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	3.5	UVA/UVB-filter
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	10.0	Wrinkle reduction, moisturizing emollient
	Lexfilm Sun	83	Polyester-7 (and) Neopentyl Glycol Diheptanoate	1.0	Film former, water resistance improver
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	20.0	Solubilizing emollient
B	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	19.5	Keratolytic, moisturizer and sebum regulating emollient
	ISOFOL 18T	1	Octyldecanol	20.0	Medium spreading emollient
	D-Panthenol (w=0.98)	4	Panthenol	0.75	Active care agent
	Tocopherol	4	Tocopherol	q.s.	Antioxidant
	Perfume "Orange"	27	Parfum (EU) / Fragrance (US)	0.05	

*) Supplier list page 62

Preparation:

1. Heat phase (A) to 50 °C and homogenize
2. Cool to room temperature
3. Add the components of phase (B) to (A) and homogenize

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: liquid, yellow

Information:

Calculated SPF: 35.6
UVA-PF/SPF [>0.33]: 0.60

Star Rating: ****
Critical Wavelength: 375 nm

Transparent Sunscreen Pump Spray without Ethanol (SPF 50)

Formulation No.: 15074

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Tinosorb S	16	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	3.0	UVA/UVB-filter
	Eusolex 9020	9	Butyl Methoxydibenzoyl-methane	3.0	UVA-filter
	Uvinul A Plus B	16	Ethylhexyl Methoxycinnamate (and) Diethylamino Hydroxybenzoyl Hexyl Benzoate	15.5	UVA/UVB-filter
	Eusolex OCR	9	Octocrylene	10.0	UVB-filter
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	33.0	Solubilizing emollient
B	Lexfilm Sun	83	Polyester-7 (and) Neopentyl Glycol Diheptanoate	1.0	Film former, water resistance improver
	COSMACOL ELI	18	C12-13 Alkyl Lactate	10.0	Moisturizing emollient, sebum regulating
	ISOFOL 16 Native	1	Hexyldecanol	26.4	Medium spreading emollient
	D-Panthenol (w = 0.98)	4	Panthenol	0.75	Active care agent
	Tocopherol	4	Tocopherol	q.s.	Antioxidant
	Perfume "Orange"	27	Parfum (EU) / Fragrance (US)	0.1	

*) Supplier list page 62

Preparation:

1. Heat phase (A) to 50 °C and homogenize
2. Cool to room temperature
3. Add the components of phase (B) to (A) and homogenize

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: liquid, yellow

Information:

Calculated SPF: 52.8

UVA-PF/SPF [>0.33]: 0.38

Star Rating: ***

Critical Wavelength: 373 nm

Transparent Sunscreen Spray (SPF 25 – EU)

Formulation No.: 13631

Phase	Trademark	*)	INCI name	Weight [%]	Function
	Ethanol (96%)		Alcohol denat.	add to 100	Cooling agent, solubilizer
	COSMACOL ELI	18	C12-13 Alkyl Lactate	2.0	Moisturizing emollient, sebum regulating
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	5.0	Wrinkle reduction, moisturizing emollient
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	15.0	Solubilizing emollient
	COSMACOL OE	1	Dicaprylyl Ether	12.0	Very light, good spreading emollient
	Uvinul A Plus B	16	Ethylhexyl Methoxycinnamate (and) Diethylamino Hydroxybenzoyl Hexyl Benzoate	15.5	UVA/UVB-filter
	Lexfilm Sun	83	Polyester-7 (and) Neopentyl Glycol Diheptanoate	1.0	Film former, water resistance improver
	Tocopheryl acetate	4	Tocopheryl Acetate	q.s.	Active care agent
	Perfume "Orange"	27	Parfum (EU) / Fragrance (US)	0.05	

*) Supplier list page 62

Preparation:

Homogenize the components in the above given order while stirring continuously

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: liquid, yellow

Information:

Calculated SPF: 26.6

UVA-PF/SPF [>0.33]: 0.36

UVA/UVB Ratio: 0.7

Critical Wavelength: 372 nm

Star Rating: ***

Pre- and After Sun Spray

Formulation No.: 14276

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	10.0	
	Glycerine		Glycerin	3.0	Moisturizing agent
	Allantoin	64	Allantoin	0.3	Moisturizing agent
	Tanisotol	14	Inositol	0.05	Prolongs skin tanning
	Keltrol CG T	5	Xanthan Gum	0.2	Thickening agent, hydrocolloid
B	CERALUTION ES RSPO-MB	1	See page 63	1.5	Emulsifier and dispersant
	COSMACOL OE	1	Dicaprylyl Ether	2.5	Very light, good spreading emollient
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	5.0	Wrinkle reduction, moisturizing emollient
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	2.0	Mild keratolytic, skin smoothing emollient
	ISOFOL 20 Native	1	Ocotyldodecanol	5.0	Medium spreading emollient
	Shea butter	32	Butyrospermum Parkii (Shea) Butter	1.5	Natural butter
	Carotene oil	22	Helianthus Anuus Oil (and) Beta-Carotene	0.5	Natural oil
	Avocado oil	32	Persea Gratissima (Avocado) Oil	2.5	Natural oil
	Ronacare Bisabolol	9	Bisabolol	0.2	Active care agent
	Tocopherol acetate	4	Tocopherol Acetate	q.s.	Active care agent
C	Demin. water		Aqua	add to 100	
	Demin. water with 4% Avicel PC 611	62	Microcrystalline Cellulose (and) Cellulose Gum	15.0	Thickening and stabilizing agent
	D-Panthenol (w = 0.75)	4	Panthenol	1.5	Active care agent
D	Preservative			q.s.	

*) Supplier list page 62

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) to (AB) and homogenize
4. 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

Aftersun Milk

Formulation No.: 15111

Phase	Trademark	*)	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, hydrocolloid	
B	CERALUTION H RSPO-MB	1	See page 63	2.5	Emulsifier, reduces crow feet wrinkles, moisturizer	
	NAFOL 1618 H	1	Cetearyl Alcohol	0.5	Co-emulsifier, consistency regulator	
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	3.0	Wrinkle reduction, moisturizing emollient	
	COSMACOL OE	1	Dicaprylyl Ether	5.0	Very light, good spreading emollient	
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed Oil	2.0	Natural oil	
	ISOFOL 16 Native	1	Hexyldecanol	5.0	Medium spreading emollient	
	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
		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.		
	NaOH (w=0.10)		Sodium Hydroxide	q.s.		

*) Supplier list page 62

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), (D), and (E) and homogenize
4. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 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

Cleansing Milk

Formulation No.: 15121

Phase	Trademark	*)	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
	D-Panthenol (w = 0.75)	4	Panthenol	1.0	Active care agent
	Allantoin	9	Allantoin	0.3	Active care agent
B	CERALUTION H RSPO-MB	1	See page 63	1.5	Emulsifier, reduces crow feet wrinkles, moisturizer
	NAFOL 1618 H	1	Cetearyl Alcohol	1.0	Co-emulsifier, consistency regulator
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	3.0	Moisturizing emollient, sebum regulating
	ISOFOL 20 Native	1	Octyldodecanol	5.0	Medium spreading emollient
	PARAFOL 12 RSPO-MB	1	Dodecane	3.5	Fast spreading emollient, replacement for cyclomethicone
	Olive oil	32	Olea Europaea (Olive) Fruit Oil	5.0	Natural oil
	Softisan 100	31	Hydrogenated Coco-Glycerides	1.0	Hard fat, consistency regulator
		Carbopol Ultrez 21 Polymer (w = 0.03)	30	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	5.0
D	Preservative			q.s.	
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.05	
	NaOH (w = 0.10)		Sodium Hydroxide	0.7	Neutralizing agent

*) Supplier list page 62

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) to (AB) and homogenize
4. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 13,000 mPas, 25 °C

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

Appearance: liquid

Cleansing and Caring Mask

Formulation No.: 15123

Phase	Trademark	*)	INCI name	Weight [%]	Function	
A	Demin. water		Aqua	add to 100		
	Glycerine		Glycerin	8.0	Moisturizing agent	
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid	
	Allantoin	9	Allantoin	0.2	Active care agent	
B	CERALUTION H RSPO-MB	1	See page 63	4.0	Emulsifier, reduces crow feet wrinkles, moisturizer	
	NAFOL 1618 H	1	Cetearyl Alcohol	2.0	Co-emulsifier, consistency regulator	
	COSMACOL OE	1	Dicaprylyl Ether	4.0	Very light, good spreading emollient	
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.0	Wrinkle reduction, moisturizing emollient	
	COSMACOL ECL	18	Tri-C14-15 Alkyl Citrate	2.0	Mild keratolytic, skin smoothing emollient	
	COSMACOL ELI	18	C12-13 Alkyl Lactate	2.0	Moisturizing emollient, sebum regulating	
	COSMACOL ECI	18	Tri-C12-13 Alkyl Citrate	3.0	Good spreading emollient	
	ISOFOL 20 Native	1	Octyldodecanol	6.0	Medium spreading emollient	
	Jojoba oil	32	Simmondsia Chinensis (Jojoba) Seed Oil	1.0	Natural oil	
	Mango butter	32	Mangifera Indica (Mango) Seed Butter	2.0	Natural butter	
	Tocopheryl acetate	4	Tocopheryl Acetate	q.s.	Active care agent	
	C	Demin. water		Aqua	10.0	
		Panthenol (w = 0.75)	4	Panthenol	0.5	Active care agent
	D	Demin. water		Aqua	25.0	
Carbopol Ultrez 20 Polymer		30	Acrylates / C10-30 Alkyl Acrylate Crosspolymer	0.3	Thickening and stabilizing agent	
E	NaOH (w = 0.1)		Sodium Hydroxide	0.6	Neutralizing agent	
	Preservative			q.s.		
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.1		

*) Supplier list page 62

Preparation:

1. Heat phase (A) and (B) separately to 70 °C
2. Add phase (B) to (A) and homogenize
3. Add phase (C) to (AB) and homogenize
4. Cool to 35 °C and add phase (D) and (E) to (ABC) and homogenize
5. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 60,000 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

Concentrate for Wet Wipes with Caring Emollients

Formulation No.: 15039

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	CERALUTION CPE	1	See below page 63	20.0	Self-emulsifying concentrate, cold-processing possible
B	PARAFOL 14 RSPO-MB	1	Tetradecane	10.0	Good spreading emollient
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	15.0	Wrinkle reduction, moisturizing agent, velvety skin feel
	ISOFOL 20 Native	1	Octyldodecanol	20.0	Medium spreading emollient
	Calendula oil	32	Calendula Officinalis Flower Extract	10.0	Natural oil
C	Demin. water		Aqua	24.0	
D	Preservative			q.s.	Preservative

*) Supplier list page 62

Preparation:

1. Add phase (B) to phase (A) at room temperature with turbulent stirring until the median particle size is < 0.40 µm. Please make sure that phase (B) is added slowly, otherwise local and irreversible phase inversion can occur
2. Add phase (C) and homogenize
3. Add phase (D) and homogenize

Viscosity (Haake, RheoStress 1, 1s⁻¹): ~ 29,600 mPas, 25 °C

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

Appearance: liquid-viscous

Processing to Get a Low Viscous Emulsion for Wet Wipes

Phase	Trademark	Weight [%]
ABCD	CERALUTION CPE concentrate	5.0
E	Demin. water	add to 100
F	Preservative, optional water soluble additives	q.s.
	Perfume	q.s.

Preparation:

4. Add phase (E) to phase (ABCD) at room temperature while homogenization
5. Add phase (F) and homogenize

Skin Lightening Cream

Formulation No.: 13660

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	2.0	Moisturizing agent
	Keltrol CG T	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
B	CERALUTION H RSPO-MB	1	See page 63	3.0	Emulsifier, reduces crow feet wrinkles, moisturizer
	NAFOL 1618 H	1	Cetearyl Alcohol	1.5	Co-emulsifier, consistency regulator
	COSMACOL EBL	18	C12-15 Alkyl Benzoate	4.0	Solubilizing emollient
	COSMACOL OE	1	Dicaprylyl Ether	3.0	Very light, good spreading emollient
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.5	Wrinkle reduction, moisturizing emollient
	ISOFOL 20 Native	1	Octyldodecanol	7.5	Medium spreading emollient
	Olive oil	32	Olea Europaea (Olive) Fruit Oil	3.0	Natural oil
	Tocopheryl acetate	4	Tocopheryl Acetate	q.s.	Active care agent
C	1.3 Butandiole	9	Butylene Glycol	2.0	Moisturizing agent
	Melfade PF	64	Water (and) Arctostaphylos Uva Ursi (Bearberry) Extract (and) Glycerin (and) Magnesium Ascorbyl Phosphate	3.0	Active care agent
	D-Panthenol (w = 0.75)	4	Panthenol	1.5	Active care agent
D	Carbopol Ultrez 21 Polymer (w = 0.03)	30	Acrylates/ C10-30 Alkyl Acrylate Crosspolymer	15.0	Thickening agent
E	Dry Flo PC	41	Aluminum Starch Octenylsuccinate	0.5	Skin feel
	NaOH (w = 0.1)		Sodium Hydroxide	1.1	Neutralizing agent
	Preservative			q.s.	
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.05	

*) Supplier list page 62

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) to (AB) and homogenize
4. Add phase (D) and (E) to (ABC) and homogenize
5. Adjust the pH-value

Viscosity (Haake, RheoStress 1, 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

Appearance: viscous

Self Tanning Spray

Formulation No.: 15122

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	CERALUTION CPE	1	See page 63	7.5	Self-emulsifying concentrate, cold-processing possible
B	Witarix MCT 60/40	31	Caprylic/Capric Triglyceride	5.0	MCT oil
	COSMACOL EMI	18	Di-C12-13 Alkyl Malate	2.0	Moisturizing emollient, sebum regulator
	COSMACOL ELI	18	C12-13 Alkyl Lactate	2.0	Moisturizing emollient, sebum regulating
	COSMACOL OE	1	Dicaprylyl Ether	2.0	Good spreading emollient
	ISOFOL 16 Native	1	Hexyldecanol	2.0	Medium spreading emollient
	PARAFOL 14 RSPO-MB	1	Tetradecane	4.0	Good spreading emollient, replacement for Isohexadecane
C	Demin. water		Aqua	25.0	
	Demin. water with 4% Avicel PC 611	62	Microcrystalline Cellulose (and) Cellulose Gum	15.0	Thickening and stabilizing agent
	Erythulose	64	Erythulose	1.5	Active care agent
	Dihydroxyacetone	9	Dihydroxyacetone	3.5	Active care agent
	Disodium EDTA		Disodium EDTA	0.2	Chelating agent
	Keltrol CG SF	5	Xanthan Gum	0.3	Thickening agent, hydrocolloid
	D	Preservative			q.s.
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.1	
	Citric Acid		Citric acid	q.s.	pH-adjustment 4.0

*) Supplier list page 62

Preparation:

1. Add phase (B) to (A) with turbulent stirring until the median particle size analysis is < 0.40 µm. Please make sure that phase (B) is added slowly, otherwise local and irreversible phase inversion can occur.
2. Add phase (C) to (AB) and homogenize
3. Add phase (D) and (E) to (ABC) and homogenize
4. 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: liquid

Antiperspirant Roll-On

Formulation No.: 13973

Phase	Trademark	*)	INCI name	Weight [%]	Function
A	Demin. water		Aqua	add to 100	
	Glycerine		Glycerin	4.0	Moisturizing agent, anti-freeze
	Structure XL	41	Hydroxypropyl Starch Phosphate Ester	3.0	Thickening and stabilizing agent
	Keltrol CG	5	Xanthan Gum	0.2	Thickening agent, hydrocolloid
B	GALENOL 1618 AE	1	Cetearyl Alcohol (and) Cetearth-20	1.0	Nonionic self-emulsifying mixture for O/W emulsions
	ISOCARB 12	1	Butyloctanoic acid	2.0	Body odour control
	COSMACOL OE	1	Dicaprylyl Ether	2.0	Good spreading emollient
	PARAFOL 14 RSPO-MB	1	Tetradecane	2.0	Good spreading emollient, replacement for Isohexadecane
	MARLOSOL ST 9150 P	1	PPG-15 Stearyl Ether	2.0	Polar emollient, skin conditioner
	C	Demin. water		Aqua	5.0
	Locron P	8	Aluminium Chlorohydrat	5.0	Antiperspirant agent
D	Preservative			q.s.	
	Perfume "Care"	27	Parfum (EU) / Fragrance (US)	0.1	

*) Supplier list page 62

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), (D) and (E) and homogenize
4. Adjust the pH-value

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

Appearance: liquid

Supplier List

1	Sasol Germany GmbH
2	Sasol Wax GmbH
3	Evonik Industries AG
4	Alfa Aesar
5	CP Kelco
6	Symrise AG
7	ICL
8	Clariant International Ltd.
9	Merck KgaA
10	Thor Chemie
11	Mane
12	Cosphatec GmbH
13	Evonik Dr. Straetmans GmbH
14	Provital Group
16	BASF SE
18	Sasol Italy S.p.A.
19	BRB International BV

22	J.H. Müller GmbH
27	drom fragrances GmbH & Co. KG
30	Lubrizol Advanced Materials
31	IOE Oleo GmbH
32	Gustav Heess
41	AkzoNobel Personal Care
58	Nordmann, Rassmann GmbH
60	ISP
61	Uniqema GmbH & Co. KG
62	FMC Corporation
64	DSM N.V.
70	SEPPIC
75	The Dow Chemical Company
78	Fragrance Resources GmbH
83	INOLEX
84	Ashland

INCI Name List

CERALUTION H RSPO-MB

INCI name:

Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicotamide PEG-15 Disulfate

CERALUTION ES RSPO-MB

INCI name:

Cetareth-25 (and) Disodium Ethylene Dicotamide PEG-15 Disulfate

CERALUTION CPE

INCI name:

Aqua (and) Caprylic/Capric Triglyceride (and) Glycerin (and) Cetareth-25 (and) Disodium Ethylene Dicotamide PEG-15 Disulfate (and) Acacia Senegal Gum (and) Xanthan Gum (and) Citric Acid (and) Benzyl Alcohol (and) Ethylhexylglycerin (and) Tocopherol

Source reference

Cover: Sasol Germany GmbH, Corbis/Marcus Oleniuk, Dreamstime/Andreea Stafan, p. 4: Dreamstime/Quentin Bargate, Dreamstime/Og Vision, p.5: Fotolia/Dmitrijs Dmitrijevs, Dreamstime/Andreea Ardelean

Sasol is a registered trademark of Sasol Ltd. Product trademarks displayed in this document are the property of the Sasol Group of companies, except where it is clear from the context that not. Users of this document are not permitted to use these trademarks without the prior written consent of their proprietor. All rights not expressly granted are reserved. Reference to trademarks used by other companies is neither a recommendation, nor should it give the impression that products of other companies cannot be used.

The information contained in this document is based on

Sasol's knowledge and experience at the time of its creation. We reserve the right to make any changes to this document or the products described therein, as a result of technological progress or developments. This information implies no liability or other legal responsibility on our part, including with regard to existing third-party patent rights. In particular, no guarantee or warranty of properties in the legal sense is implied. The customer is not exempted from the obligation to conduct careful inspection and testing of incoming products. All our business transactions are governed exclusively by our General Business Terms (<https://www.sasolgermany.de/de/agb/>).



SASOL

At Your Service

Sasol Performance Chemicals

Anckelmannsplatz 1, 20537 Hamburg, Germany
cosmetics@de.sasol.com Telephone +49 2365 49 19178

Organics Division

Italy

sasol.italy@it.sasol.com
Telephone +39 025 8453 1

Spain/Portugal

oliver.groegor@de.sasol.com
Telephone +34 934 676 902

United Kingdom

info.uk@sasol.com
Telephone +44 1564 78 3060

Benelux

valentina.modugno@it.sasol.com
Telephone +39 02 58453 228

France

jean-francois.petit@fr.sasol.com
Telephone +33 1 44 01 05 37

Poland/Baltic States

janusz.duda@pl.sasol.com
Telephone +48 22 860 6146

Slovakia

sales@sk.sasol.com
Telephone + 421 2 544 30 219

North America

info@us.sasol.com
Telephone +1 281 588 3870

South America

sasollatinamerica@us.sasol.com
Telephone +55 11 4612 8199

Middle East and India

abbas.haroon@sasol.com
Telephone +97 14 8086 300

Pacific Region

jackson.ding@cn.sasol.com
Telephone +852 3971 5988

P. R. China

liangbo.lu@cn.sasol.com
Telephone +86 21 221 80 500

Japan

yoshihiro.ito@jp.sasol.com
Telephone +81 (3) 3248 6711

Russia

anna.kogut@de.sasol.com
Telephone +7 495 221 5142 750

Wax Division

olaf.kretschmer@de.sasol.com
Telephone +49 40 78115 490

www.sasol.com