



B BRENNTAG

Kenapure Dyes & Pigments

for Personal Care

Kenapure

Kenapure

Brenntag's product line

- Water-soluble dyes
- Oil-soluble dyes
- Organic pigments
- Inorganic pigments
- Surface-treated pigments
- Pearlescent pigments

The Kenapure product line stands for highest purity of colors, meeting legislative and statutory requirements. Brenntag offers a wide range of Dyes & Pigments for wide use in cosmetic products. This is only an indicative range of colors and pigments and does not capture the full range of available products. If you do not find your suitable color in the brochure, we encourage you to please contact your responsible Brenntag contact.

Shades depicted are for reference only.

Customers are advised to check samples for shade matching.

We request customers to re-check with their appropriate legislative authorities before using any of our products in their intended applications. Although, the information presented herein is believed to be reliable, Brenntag makes no representation or guarantee as to the accuracy, completeness or reliability of the information.

Water-soluble dyes

Kenapure name	Chemical type	Color indication	Common name	CI-Number	EC No.	Chemistry
FD&C Yellow 5	Acid Yellow 23		Tartrazine	19140	E102	azo
FD&C Yellow 6	Food Yellow 3		Sunset Yellow FCF	15985	E110	azo
D&C Yellow 10	Acid Yellow 3		Quinoline Yellow WS	47005	E105	quinoline
Sunset Yellow	Food Yellow 3		Sunset Yellow	15985	E110	azo
D&C Green 5	Acid Green 25		Alizarine Cyanine Green F	61570	/	anthraquinone
FD&C Green 3	Food Green 3		Food Green 3	42053	/	triarylmethane
FD&C Blue 1	Acid Blue 9		Brilliant Blue	42090	E133	triphenylmethane
Patent Blue V	Acid Blue 3		Patent Blue V	42051	E131	triphenylmethane
Acid Blue 80	Acid Blue 80		Acid Blue 80	61585	/	anthraquinone
Acid Violet 43	Acid Violet 43		Acid Violet 43	60730	/	anthraquinone
External D&C Violet 2	Acid Violet 43		Acid Violet 43	60730	/	anthraquinone
FD&C Red 40	Food Red 17		Allura Red	16035	E129	azo
FD&C Red 4	Food Red 1		Ponceau SX	14700	/	azo
FD&C Red 3	Acid Red 51		Erythrosine	45430	E127	xanthene
D&C Red 33	Acid Red 33		Fuchsia Red	17200	/	azo
D&C Red 28	Acid Red 92		Phloxine Red WS	45410	/	xanthene
D&C Red 22	Acid Red 87		Eosine Y	45380	/	xanthene
Ponceau 4R	Acid Red 18		Ponceau 4R	16255	E124	azo
Carmoisine	Acid Red 14		Carmoisine	14720	E122	azo
Amaranth	Acid Red 27		Food Red 9	16185	E123	azo
Acid Red 52	Acid Red 52		Acid Red 52	45100	/	xanthene
D&C Orange 4	Acid Orange 7		Orange II	15510	/	azo



Oil-soluble dyes

Kenapure name	Chemical type	Color indication	Common name	CI-Number	EC No.	Chemistry
D&C Yellow 11	Solvent Yellow 33		Quinoline Yellow SS	47000	/	quinoline
D&C Green 6	Solvent Green 3		Quinizarine Green SS	61565	/	anthraquinone
D&C Green 8	Solvent Green 7		Pyranine	59040	/	pyrene
D&C Red 17	Solvent Red 23		Red 4R	26100	/	disazo
D&C Red 27	Solvent Red 48		Phloxine Red SS	45410:1	/	xanthene
D&C Violet 2	Solvent Violet 13		Alizural Purple SS	60725	/	anthraquinone

Organic pigments

Kenapure name	Chemical type	Color indication	Common name	CI-Number	EC No.	Chemistry
FD&C Yellow 5 Al Lake	Tartrazine Lake		Tartrazine Lake	19140:1	E102	azo
Quinoline Lake	Quniline Lake		Quinoline Lake	47005:1	E104	quinoline
FD&C Yellow 6 Al Lake	Sunset Yellow Lake		Sunset Yellow Lake	15985	E110	azo
FD&C Blue 1 Al Lake	Brilliant Blue Lake		Brilliant Blue Lake	42090:2	E133	triphenylmethane
FD&C Red 40 Al Lake	Allura Red Lake		Allura Red Lake	16035:1	E129	azo
D&C Red 27 Al Lake	Phloxine Lake		Phloxine Lake	45410:2	/	xanthene
D&C Red 6 Ba Lake	Pigment Red 57 Ba Salt		D&C Red 6 Ba Lake	15850:2	/	Barium toner
D&C Red 33 Al Lake	Fuchsia Lake		Fuchsia Red Lake	17200:1	/	azo
Carmoisine Lake	Carmoisine Lake		Carmoisine Lake	14720:1	E122	azo

Inorganic pigments

Kenapure name	Chemical type	Color indication	Common name	CI-Number	EC No.	Chemistry
Black Iron Oxide	Pigment Black 11		Black Iron Oxide	77499	E172	inorganic
Brown Iron Oxide	Pigment Blend		Brown Iron Oxide	77491, 77492, 77499	E172	inorganic
Red Iron Oxide	Pigment Red 101		Red Iron Oxide	77491	E172	inorganic
Yellow Iron Oxide	Pigment Yellow 42		Yellow Iron Oxide	77492	E172	inorganic
Ultramarine Blue	Pigment Blue 29		Ultra Blue	77007	/	inorganic
Manganese Violet	Pigment Violet 16		Manganese Violet	77742	/	inorganic
Carbon Black Dispersion	Pigment Black 7		Carbon Black	77266	/	pure carbon



Surface Treated Pigments

Kenapure name	CI-Number	Type
Titanium Dioxide OTS	77891	Inorganic pigment/ surface treated with N-OCTADECYL-TRIETHOXSILANE
Titanium Dioxide FHS	77891	Inorganic pigment/ surface treated with (PERFLUROALKYL)ETHYL-TRIETHOXSILANE
Titanium Dioxide PGS	77891	Inorganic pigment/ surface treated with 2-[METHOXY(POLYETHYLENEOXY)6-9 PROPYL]TRIMETHOXSILANE
Black Iron Oxide OTS	77499	Inorganic pigment/ surface treated with N-OCTADECYL-TRIETHOXSILANE
Black Iron Oxide FHS	77499	Inorganic pigment/ surface treated with (PERFLUROALKYL)ETHYL-TRIETHOXSILANE
Red Iron Oxide OTS	77491	Inorganic pigment/ surface treated with N-OCTADECYL-TRIETHOXSILANE
Red Iron Oxide FHS	77491	Inorganic pigment/ surface treated with (PERFLUROALKYL)ETHYL-TRIETHOXSILANE
Red Iron Oxide PGS	77491	Inorganic pigment/ surface treated with 2-[METHOXY(POLYETHYLENEOXY)6-9 PROPYL]TRIMETHOXSILANE
Yellow Iron Oxide OTS	77492	Inorganic pigment/ surface treated with N-OCTADECYL-TRIETHOXSILANE
Yellow Iron Oxide FHS	77492	Inorganic pigment/ surface treated with (PERFLUROALKYL)ETHYL-TRIETHOXSILANE
Yellow Iron Oxide PGS	77492	Inorganic pigment/ surface treated with 2-[METHOXY(POLYETHYLENEOXY)6-9 PROPYL]TRIMETHOXSILANE



OTS Treatment (N-Octadecyl-Triethoxysilane)

Features	Application
Strong hydrophobicity	Powder foundation
Excellent dispersibility in various oil	Loose powder
Moist/creamy texture	Liquid/cream foundation
Waterproof	Air Cushion
Low viscosity dispersion	Mascara Lipstick / Lip-gloss Eye shadow Blusher

FHS Treatment (Perfluoroalkyl)Ethyl-Triethoxysilane

Features	Application
Strong hydrophobicity and lipophobicity	Powder foundation
Provide long lasting effect /long wearing	Liquid foundation
Smooth/spreadability	Eye shadow
Waterproof and sebumproof	Water resistant makeup

PGS Treatment 2-[Methoxy(Polyethyleneoxy)6-9 Propyl]Trimethoxysilane

Features	Application
Hydrophilicity	Cosmetic emulsions
Uniform dispersion in water	Liquid eyeliners
Improved wetting in aqueous system	Oil-in-water foundation
High pigment loading	Mascara
Less sedimentation in water	Water-based concealers





Pearlescent Pigments

Kenapure Name	Color indication	Particle size (in microns)	INCI Name	Reflection	Shine	Coverage
Pearl effect pigments						
Silver Pearl		10 - 60	Mica, CI 77891, Tin Oxide	■	■	
Silver Fine Pearl		below 15	Mica, CI 77891, Tin Oxide			■
Golden Pearl		10 - 60	Mica, CI 77891, CI 77491, Tin Oxide	■	■	
Golden Shining		10 - 100	Mica, CI 77891, CI 77491, Tin Oxide	■	■	
Silver Grey Sparkle		50 - 200	CI 77891, Tin Oxide, Synthetic Fluorophlogopite	■	■	

Interference pigments

Interference Satin Gold		30 - 100	CI 77891, Tin Oxide, Synthetic Fluorophlogopite, Silica	■	■	
Interference Royal Gold		25 - 100	CI 77891, Tin Oxide, Synthetic Fluorophlogopite	■	■	
Interference Green		25 - 100	CI 77891, Tin Oxide, Synthetic Fluorophlogopite	■	■	
Interference Blue		10 - 40	CI 77891, Tin Oxide, Synthetic Fluorophlogopite, Silica	■	■	
Interference Pink		30 - 100	CI 77891, Tin Oxide, Synthetic Fluorophlogopite, Silica	■	■	

Satin effect pigments

Silver Satin		5 - 25	Mica, CI 77891, Tin Oxide		■	■
Golden Satin		5 - 25	Mica, CI 77891, CI 77491, Tin Oxide		■	■
Royal Red Satin		10 - 60	Synthetic Fluorophlogopite, CI 77491	■	■	
Copper Satin		10 - 60	CI 77491, Synthetic Fluorophlogopite	■	■	
Grey Satin		10 - 60	CI 77891, Tin Oxide, Synthetic Fluorophlogopite	■	■	

Application:

Kenapure Pearlescent Pigments can be used for all types of cosmetic products including cosmetics intended for use in the area of the eye.



Bouncy blush

Try our **Bouncy blush** formulation for a natural look - day or night. This compact powder has a wonderful cream to powder finish, creating an even, long lasting glow on the skin.

Elkem's MIRASIL™ CETYL DM and MIRASIL™ CAPRYLYL TSO are great pigment dispersants. They reduce the tackiness, improve softness, enhance spreading, and create excellent shine while MIRASIL™ BALANCE is the effective emulsifier, pigment dispersant, and spreading agent. MIRASIL™ DM® 5 is a highly volatile, light emollient that provides a light and silky touch to the skin. **Kenapure Red Iron Oxide FHS** adds the finishing touch to the formulation - an ideal reddish blush tone.

Bouncy blush

Phase	Trade Name	INCI	% W/W	Supplier	Function
A	MIRASIL™ CETYL DM*	Cetyl Dimethicone	5.00	Elkem	Emollient
	CosVivet Carnauba Wax*	Copernicia Cerifera Cera	5.00	Brenntag	Viscosity control
	Sunflower Wax	Helianthus Annuus (Sunflower) Seed Wax	4.00	On request	Viscosity control
	CosVivet Synthetic Beeswax vegan*	Synthetic Beeswax	3.00	Brenntag	Viscosity control
	Cetyl Alcohol*	Cetyl Alcohol	2.50	Brenntag	Stabilizer
	MIRASIL™ CAPRYLYL TSO*	Caprylyl Methicone	5.00	Elkem	Emollient / Pigment dispersant
	MIRASIL™ BALANCE*	Cetyl PEG/PPG-10/1 Dimethicone	2.50	Elkem	Emulsifier
	MIRASIL™ DM 5*	Dimethicone	8.00	Elkem	Imparts softness and lubricity.
B	Mica 2281*	Mica	15.00	Brenntag Specialties Inc.	Pigment
	PDM-1000*	Synthetic Fluorphlogopite	7.00	TOPY	Pigment/ Sensory enhancer
	Kenapure Red Iron Oxide FHS*	Iron Oxides (CI 77491), (Perfluoroalkyl) Ethyl-Triethoxysilane	0.10	Brenntag	Pigment
	Kronos 1171*	Titanium Dioxide	3.00	Kronos	Pigment
C	Water	Aqua (Water)	35.10		Solvent
	Iscaguard® EHG*	Ethylhexylglycerin	1.00	ISCA	Preservative
	Sodium Chloride*	Sodium Chloride	0.50	Brenntag	Binding agent
	DUB DIOL*	Methylpropanediol	1.00	Stearinerie Dubois	Emollient/ Pigment dispersant
	Silica, Lauroyl Lysine	Silica, Lauroyl Lysine	1.50	On request	Sensory enhancer (smoothness/fine touch)
	Xanthan Gum*	Xanthan Gum	0.30	Brenntag	Thickener
	MAS 102*	Magnesium Aluminium Silicate	0.50	Brenntag Specialties Inc.	Improves adhesion/ Binding agent

*Available from Brenntag

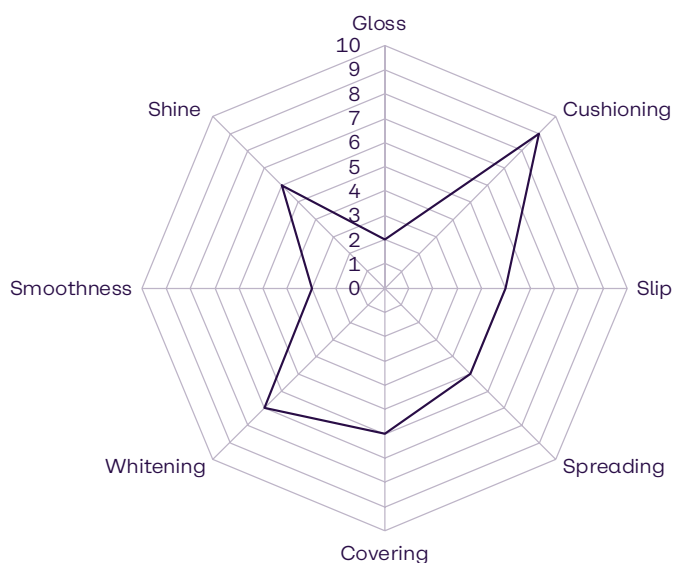
Procedure:

1. Prepare and heat phase C to 80°C for 1 hour
2. Heat phase A to 80°C
3. Add phase B to phase A under high stirring for 10 min.
4. Add phase C to phase A+B under high stirring for 10 min.
5. Cool down to 75°C and pour into mold

Stability:

Stable 1 month at 50°C, 3 months at 4°C, 40°C and 25°C

Bouncy blush





Longlasting lip cream

Our shiny **Longlasting lip cream** provides a beautifully intense long-lasting color to lips thanks to **Kenapure Titanium Dioxide OTS**, **Kenapure Red Iron Oxide OTS**, and **Kenapure FD&C Blue 1 Al Lake**. CosVivet Waxes add consistency to the formulation, while MIRASIL™ DM5 and MIRASIL™ CETYL DM disperse the pigment color, reduce transfer resistance, provide a soft and silky feel, reduce tackiness, improve spreading and create excellent shine. This lip cream gives lips a longlasting lustrous look!

Longlasting lip cream

Phase	Trade Name	INCI	% W/W	Supplier	Function
A	Octyldodecanol	Octyldodecanol	51.50	Brenntag	Emollient / Pigment dispersant
	Kenapure Titanium Dioxide OTS*	CI 77891 (Titanium Dioxide)	7.00	Brenntag	Pigment
	Kenapure Red Iron Oxide OTS*	CI 77491 (Iron Oxide)	5.00	Brenntag	Pigment
	Kenapure FD&C Blue 1 Al Lake*	CI 42090:2	0.50	Brenntag	Colorant / Pigment
	MIRASIL™ CETYL DM*	Cetyl Dimethicone	6.00	Elkem	Emollient
	MIRASIL™ DM5*	Dimethicone	15.00	Elkem	Emollient/ Imparts softness and lubricity.
	CosVivet MC Wax*	Cera Microcristallina	5.00	Brenntag	Viscosity control
	CosVivet Carnauba Wax*	Copernicia Cerifera Cera	7.00	Brenntag	Viscosity control
	MIRASIL™ STEARYL DM*	Stearyl Dimethicone	3.00	Elkem	Structurizing agent / Provides melting effect

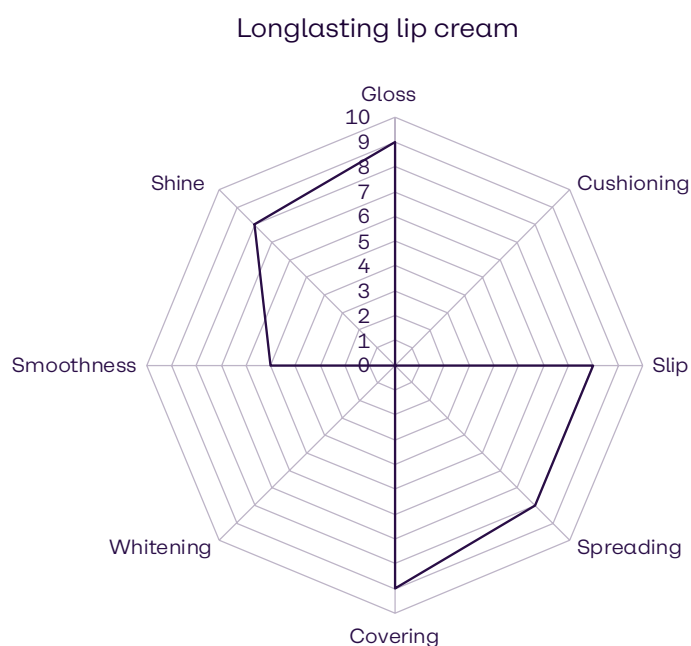
*Available from Brenntag

Procedure:

1. Heat phase A to 80°C
2. Cool down to 75°C
3. Pour into packaging

Stability:

Stable for 1 month at 50°C, 3 months at 4°C, 40°C and 25°C





Pure moisture kick

Anti-aging leave-on conditioner

Our **Pure moisture kick** is a natural 2-phase conditioner spray. The hair is nourished by a COSMOS-certified emollient combination. OXISMOOTH® CP is a light, great spreading emollient and OXISMOOTH® CO improves wet combing without a greasy feel. CosVivet HA LOW moisturizes the hair without weighing it down. The combination of **Kenapure D&C Red 33** and **Kenapure FD&C Yellow 5** gives this formulation a beautiful pink color, inspired by Viva Magenta, the color of the year 2023, and the use of **Kenapure Interference Royal Gold** creates a nice golden interface between the two phases. Enjoy the use of this natural leave-on conditioner which imparts a cashmere soft feeling to the hair.

Pure moisture kick

Phase	Trade Name	INCI	% W/W	Supplier	Function
A	Water	Aqua (Water)	ad 100		Solvent
	Dissolvine® GL-47-S*	Tetrasodium Glutamate Diacetate	0.10	Nouryon	Chelating agent
	Kenapure D&C Red 33*	CI 17200	0.032	Brenntag	Colorant
	Kenapure FD&C Yellow 5*	CI 19140	0.004	Brenntag	Colorant
	CosVivet HA LOW*	Sodium Hyaluronate	0.10	Brenntag	Active
	Iscaguard® NK12*	Aqua, Sodium Benzoate, Potassium Sorbate	1.00	ISCA	Preservative
B	Citric Acid*	Citric Acid	qs	Brenntag	pH adjuster
C	OXISMOOTH® CP*	Isoamyl Caprylate/Caprate	15.00	Oxiten	Emollient
	Argan Oil*	Argania Spinosa Kernel oil	1.00	Brenntag	Emollient
	OXISMOOTH® CO*	Isoamyl Cocoate	4.00	Oxiten	Emollient
	Parfum	Parfum (Fragrance)	0.70	On request	Fragrance
	Kenapure Interference Royal Gold*	CI 77891, CI 77961, Synthetic Fluorphlogopite	0.03	Brenntag	Pearlizing agent

*Available from Brenntag

Procedure:

1. Prepare phase A and adjust pH-value to 5.0 with phase B.
2. Prepare phase C and add to phase A+B.

Properties:

Appearance: transparent bi-phasic clear/pink liquid

pH-value: 4.5 - 5.0

Stability:

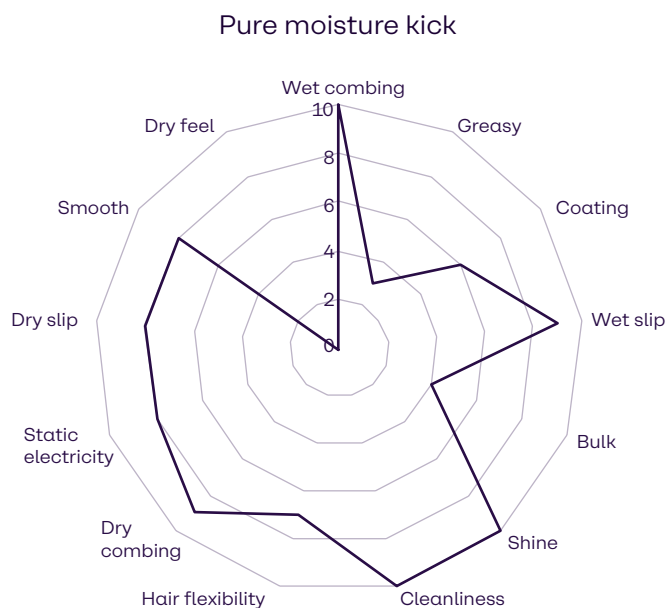
Stable for 1 month at 50°C, 3 months at 4°C, 40°C and 25°C.

Natural Index (according to ISO 16128)

cNO: 98.89%

Characteristics:

- Reduction of 39.71% of the combing force on wet hair and 88.75% on dry hair





Make-up mousse

This latest **Make-up mousse** formulation is a perfect all-in-one combination of primer, powder, concealer and make-up! It mattifies the skin, blurs fine lines and pores, reduces redness, covers skin imperfections and creates a natural even finish for a soft, velvety skin and beautiful look. Furthermore, it is ideal for all skin types and adapts to your individual skin tone. Use a little mousse for a light natural effect or use more to achieve a darker finish. **Kenapure Titanium Dioxide FHS** and **Kenapure Brown** impart a magnificent color tone to the formulation, making it blend into the skin naturally. Includes PURESIL™ EP 02 for a soft focus effect, to mask skin imperfections and as a sensory enhancer. PURESIL™ TMS IDD 50 has long-lasting benefits and gives a non-greasy and non-tacky feel to this mousse. The velvety touch and matte finish are created by Elkem ´s sustainable silicone solution, PURESIL™ ORG 02, while CosVivet MC Wax and MIRASIL™ STEARYL DM give this mousse the perfect structure. Ideal and innovative formulation for a great natural, healthy look!

Make-up mousse

Phase	Trade Name	INCI	% W/W	Supplier	Function
A	MIRASIL™ D-DML LV*	Dimethicone, Dimethiconol	5.00	Elkem	Emollient/Lubricating agent
	MIRASIL™ STEARYL DM*	Stearyl Dimethicone	5.00	Elkem	Structurant agent/ Lubricity agent/ Pigment dispersant
	MIRASIL™ CAPRYLYL TSO*	Caprylyl Methicone	2.45	Elkem	Emollient/Pigment dispersant
	CosVivet MC Wax*	Cera Microcristallina	1.50	Brenntag	Structurant agent
B	Kenapure Titanium Dioxide FHS*	CI 77891, (Perfluoroalkyl) Ethyl-triethoxysilane	7.00	Brenntag	Pigment
	Kenapure Brown*	CI 77491, CI 77492, CI 77499	1.50	Brenntag	Pigment
C	PDM-1000*	Synthetic Fluorphlogopite	6.00	TOPY	Sensory modifier/ Filling agent
	Tapioca Starch	Tapioca Starch	0.50	On request	Sensory enhancer
D	Iscaguard® PEHG*	Phenoxyethanol, Ethylhexylglycerine	0.50	ISCA	Preservative
E	PURESIL™ ORG02*	C13-15 Alkane, Dimethicone/ Vinyl Dimethicone Crosspolymer, Silica	60.00	Elkem	Sensory modifier (velvet touch)/ Mattifying agent
	PURESIL™ EP 02*	Dimethicone/Vinyl Dimethicone Crosspolymer, Silica	5.00	Elkem	Texturizer (smooth and elastic touch)
	PURESIL™ TMS IDD 50*	Trimethylsiloxysilicate, Isododecane	4.00	Elkem	Long lasting agent/ No-transfer effect
	LIGAMED MF-2-V-MB*	Magnesium Stearate	1.20	Peter Greven	Improved adhesion/ Binding agent
	Tocopherol	Tocopherol	0.05	On request	Antioxidant
	Parfum	Parfum (Fragrance)	0.30	On request	Fragrance

*Available from Brenntag

Procedure:

1. Mix phase A and heat to 90 °C.
2. Mix ingredients of phase B.
3. Add ingredients of phase C to phase B and stir until homogeneous.
4. Add phase BC to phase A and then mix vigorously to obtain a homogeneous paste.
5. Cool down phase ABC to 40 °C and mix with phase D until homogeneously.
6. Add the ingredients of phase E step by step and mix until homogeneous.

Properties:

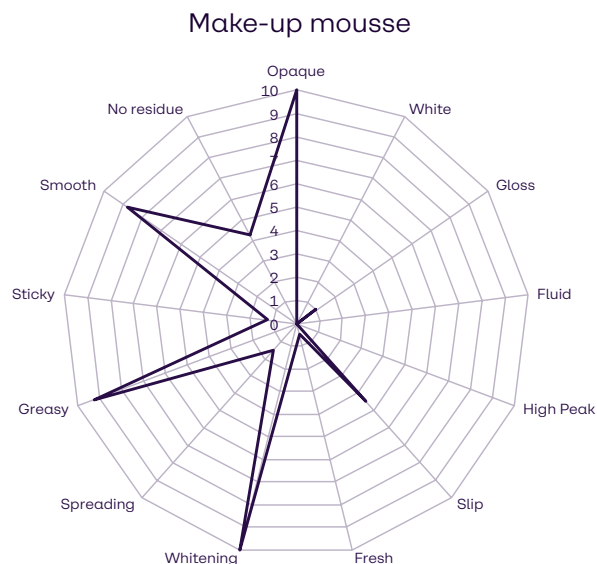
Appearance: brown smooth make-up mousse

Stability:

Stable over 3 months at 23°C, 40°C and 4°C.

Natural Index (according to ISO 16128)

cNO: 56.04%





Golden shining hand cream

Our rich **Golden shining hand cream** envelops and absorbs quickly into the hands, leaving a little sparkle to the skin and providing a touch of elegance to beautifully manicured hands. This gel cream is rich in Coconut Oil for soft skin, includes soothing Aloe Vera and PURASAL® MOIST XS for instant hydration that lasts up to 24 hours. Aevum Vita 595 is the perfect thickener which provides a great texture to the formulation, while **Kenapure Golden Shining** pearlescent pigments add the WOW! effect to this formulation.

Golden shining hand cream

Phase	Trade Name	INCI	% W/W	Supplier	Function
A	Aqua	Aqua (Water)	ad 100		Solvent
	Glycerin*	Glycerin	4.00	Brenntag	Humectant
	Aleo Vera Juice Powder 200X	Aloe Barbadensis Leaf Juice	0.10	On request	Humectant
B	Glyceryl Stearate SE*	Glyceryl Stearate SE	5.00	Brenntag	Emulsifier
	Coconut Oil	Cocos Nucifera Oil	7.80	On request	Emollient
C	Aevum Vita 595*	Polyacrylamide, C13-14 Isoparaffin, Laureth-7, Aqua	4.00	ISCA	Thickener
D	Tocopherol	Tocopherol	0.20	On request	Antioxidant
	Iscaguard® EHG*	Ethylhexylglycerin	1.00	ISCA	Antimicrobial active
	PURASAL® MOIST XS*	Sodium Gluconate, Sodium Lactate	0.50	Corbion	Humectant
	Parfum	Parfum (Fragrance)	0.30	On request	Fragrance
	Kenapure Golden Shining*	CI 77019, CI 77891, CI 77491, CI 77861	0.09	Brenntag	Pigment

*Available from Brenntag

Procedure:

1. Prepare phase A and phase B separately.
2. Heat both phases to 70 °C until fully melted.
3. Emulsify B in A at 70°C. Then add the ingredient under phase C.
4. Cool down the phase ABC to 40°C.
5. Add the ingredients of phase D step by step and mix until homogeneous.
6. Adjust the pH-value to 5.0.

Properties:

Appearance: light beige cream

pH-value: ~5.0

Viscosity (Brookfield, RVT, Sp.TC, 4rpm) @23°C:
79200 mPa.s

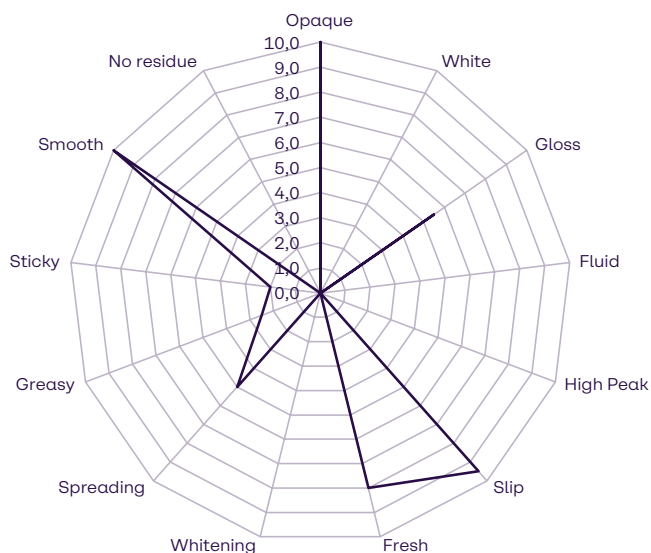
Stability:

Stable over 3 months at 23°C, 4°C, 40°C and 1 month at -18°C and 50°C.

Natural Index (according to ISO 16128)

cNO: 96.80%

Golden shining hand cream





Contact

Brenntag GmbH

Messeallee 11

45131 Essen

Germany

personalcare@brenntag-emea.com

brenntag.com

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