



The power of smart ingredients

Silicones
for
personal
care

A superior combination of product supply regularity and competitive pricing

BRB Silicones, a business unit of BRB International B.V., is a producer of specialty silicones like emulsions, antifoams, water repellants, elastomers, lubricants, silanes, resins, dimethicone & cyclomethicone blends, dimethicone copolyols, crosspolymers and many more customised products. BRB Silicones also supplies a very broad range of core and specialty intermediates to all the silicone industry with a superior combination of product supply regularity and competitive pricing.

With an extensive experience in silicones, BRB is the largest independent producer in the world who has gained a unique supplier position in Personal Care:

- We offer a wide range of cost effective ingredients
- We have demonstrated over the years the ability to supply in all situations
- We have a much wider customisation flexibility than the other silicone majors
- We give you the possibility to eliminate most of your single sourcing issues

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Hair care

Guide formulation

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Daily care moisturising shampoo

Daily care moisturising shampoo works deep to strengthen the hair and conditions the surface for a healthy hair. Gentle for daily use. Daily care moisturising shampoo provides supreme conditioning effect to hair, cleansing and hydrating your hair without weighing it down.

Featuring

BRB 5446 : Provide superior wet and dry combing and conditioning effect. Enhance colour and heat protection.

No	Ingredients	INCI	Dosage (%)
A1	DI Water	Aqua	66.30
A2	Tetrasodium EDTA	Tetrasodium EDTA	0.10
A3	Synthalen W400 (3V Sigma)	Acrylates Copolymer	3.00
A4	SLES 70% (Zohar)	Sodium Laureth Sulfate	15.00
A5	10% Sodium Hydroxide	Sodium Hydroxide	q.s
B1	Amido Betaine C (Zohar)	Cocamidopropyl Betaine	10.00
B2	Corum 4022 (Corum)	Cocamide MEA	2.00
C1	Corum 9807 (Corum)	PEG-7 Glyceryl Cocoate	0.50
C2	BRB 5446	Silicone Quaternium-17 (and) Trideceth-7 (and) Trideceth-5	2.00
D1	Sakura 05137 (Sillage Aromatique)	Parfum	0.50
D2	Croduret 40 (Croda)	PEG-40 Hydrogenated Castor Oil	0.50
E1	DMDMH (Sharon Laboratories)	DMDM Hydantoin	0.10
E2	Citric acid	Citric Acid	q.s
E3	Sodium Chloride	Sodium Chloride	q.s

Approx. cost price indication of this formulation (raw materials): 0,71 Euro/kg.

Procedure

- 1) Add A1-A4 one by one into bulk. Mix well after each addition.
- 2) Adjust pH to 6.5 using A5.
- 3) Add B1 into bulk and mix well.
- 4) Add B2 into bulk and heat to 50°C. Mix well.
- 5) Cool to 40°C. Add C1 & C2. Mix well.
- 6) Premix phase D. Add premix into bulk and mix well.
- 7) Add E1 into bulk. Mix well.

Typical properties / additional information

Appearance : Clear viscous liquid
Viscosity at 25°C (spindle 3, speed 12) : 3,000-5,000 cPs
pH : 5.5-7.0
Sensory attributes : Soft & clean feel



Hair care

Guide formulation

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Total repair clear rinse off conditioner

Total repair clear rinse off conditioner is a moisturising conditioner that restores dry hair. Total repair clear rinse off conditioner provides soft feel, excellent wet and dry combing. It helps replenish the health of your damaged hair.

Featuring

BRB 5446 : Provide superior wet and dry combing and conditioning effect. Enhance colour and heat protection.

No	Ingredients	INCI	Dosage (%)
A1	DI Water	Aqua	91.10
A2	Glycerin	Glycerin	2.00
A3	Tylose HS 100000 (Shin-Etsu)	Hydroxyethylcellulose	1.00
B1	Genamin CTAC 50% (Clariant)	Sodium Laureth Sulfate	3.00
B2	BRB5446	Sodium Hydroxide	2.00
C1	Euxyl PE 9010 (Schülke & Mayr)	Cocamidopropyl Betaine	0.80
D1	Perfume	Parfum	q.s
D2	Croduret 40 (Croda)	PEG-40 Hydrogenated Castor Oil	q.s
E1	Citric Acid	Citric Acid	q.s

Approx. cost price indication of this formulation (raw materials): 0,47 Euro/kg.

Procedure

- 1) Add phase A into bulk and mix well.
- 2) Then add B1 into bulk followed by B2. Mix well after each addition.
- 3) Add C1 into bulk. Mix well.
- 4) Premix phase D. Add premix into bulk and mix well.
- 5) Add E1 into bulk and adjust pH to 4.0-5.0.

Typical properties / additional information

Appearance : Translucent liquid
Viscosity at 25°C (spindle 4, speed 20) : Approx. 3,000 cPs
pH : 4.0-5.0
Sensory attributes : Soft feel



Hair care

Guide formulation

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Hair treatment wax (rinse-off)

Hair treatment wax is an intensive rinse off conditioner for dry-weak hair. Hair treatment wax provides to leave hair deeply nourished, revitalized and silky smooth.

Featuring

BRB 1288 : Repairs damaged fibres, provide excellent conditioning effect to hair.
BRB DM 350 : Aid in spreadability. Provides conditioning and smoothing effect.

No	Ingredients	INCI	Dosage (%)
A1	Kalcol 6098	Cetyl alcohol	10.00
A2	Comperlan 100	Cocoamide MEA	8.00
A3	Argan Oil	Argan Oil	1.00
A4	BRB DM350	Dimethicone	2.00
A5	Timica Extra Bright 1500	Mica (and) Titanium Dioxide	1.00
B1	DI Water	Aqua	61.00
B2	Glycerine	Glycerine	3.00
B3	Tequart Cetac 29	Cetrimonium Chloride	10.00
B4	D-Panthenol	D-Panthenol	0.50
C1	BRB 1288	Amodimethicone (and) Trideceth-12 (and) Cetrimonium Chloride	2.00
D1	Parfume	Parfum	0.50
D2	Preservative	Preservative	1.00

Approx. cost price indication of this formulation (raw materials): 1,15 Euro/kg.

Procedure

- 1) Add A1-A5 into a beaker and heat to 80-85°C.
- 2) In a separate beaker, prepared phase B and heat to 80-85°C.
- 3) Add step 1 into step 2. Homogenise well.
- 4) Cool bulk to 45°C and add phase C, mixed well.
- 5) Add phase D and mixed well.

Typical properties / additional information

Appearance : White thick cream
Viscosity at 25°C : Approx. 80,000 cPs
Sensory Attributes : Smooth & silky



Hair care

Guide formulation

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Detangling & conditioning hair spray

Detangling & conditioning hair spray is a light weight, moisturising spray which helps to detangle your hair. Detangling & conditioning hair spray gently and instantly untangles hair while leaving hair soft and conditioning. It makes wet hair and dry hair combing easier.

Featuring

BRB 5446 : Provide superior wet and dry combing and conditioning effect.
Enhances colour and heat protection.

No	Ingredients	INCI	Dosage (%)
A1	DI Water	Aqua	91.90
A2	EDTA	Tetrasodium EDTA	0.10
A3	Propylene Glycol	Propylene Glycol	2.00
A4	Citric Acid	Citric Acid	q.s
B1	Genamin CTAC 50%	Cetrimonium Chloride	2.00
B2	BRB 5446	Silicone Quaternium-17 (and) Trideceth-7 (and) Trideceth-5	2.00
B3	D-panthenol	Panthenol	1.00
C1	Euxyl PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	1.00
D1	Perfume	Parfum	q.s
D2	Croduret 40	PEG-40 Hydrogenated Castor Oil	q.s
D3	Colorant		q.s
D4	Citric acid	Citric acid	q.s

Approx. cost price indication of this formulation (raw materials): 1,15 Euro/kg.

Procedure

- 1) Add phase A1-A3 into bulk and mix well.
- 2) Adjust pH to 4.0-5.0 with A4.
- 3) Add phase B one by one into bulk. Mix well after each addition.
- 4) Add phase C into bulk and mix well.
- 5) Premix D1 & D2 well. Add premix into bulk and mix well.
- 6) Add D3 & D4 into bulk. Mix well.

Typical properties / additional information

Appearance : Clear coloured liquid
Viscosity at 25°C : NA
pH : 4.0-5.0
Sensory attributes : Light feel



Hair care

Guide formulation

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Heat protecting styling spray (leave-in)

Heat protecting styling spray is a specifically solution for thermal protection. Heat protecting styling spray protects against thermal damage, preserves moisture and strengths and prevents from colour fading.

Featuring

BRB 5446 : Repairs damaged fibres, leaving hair easily to be managed.

RB 1288 : Provides superior conditioning as well as heat and colour protection.

No	Ingredients	INCI	Dosage (%)
A1	DI Water	Aqua	70.50
A2	Alcohol denat.	Alcohol denat.	20.00
A3	Palmera G995E	Glycerin	2.00
A4	Propylene glycol	Propylene glycol	2.00
A5	Natura-Tec Aminosens Keratin Sol 25%	Aqua, Hydrolyzed Keratin	2.00
A6	BRB 1288	Amodimethicone (and) Trideceth-12 (and) Cetrimonium chloride	1.50
A7	BRB 5446	Silicone Quaternium-17 (and) Trideceth-7 (and) Trideceth-5	2.00

Approx. cost price indication of this formulation (raw materials): 0,83 Euro/kg.

Procedure

- 1) Add one by one all the ingredients of phase A to water whilst stirring until obtaining a homogeneous phase.
- 2) Check final pH.

Typical properties / additional information

Appearance : White-off translucent solution

Viscosity at 24°C : Water thin

pH : 5.5

Attributes : Heat protection, smoothness, hair fiber strength. Soft, silky feel



Hair care

Guide formulation

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Standard hair conditioner (rinse off)

Standard hair conditioner is a moisturising conditioner that restores dry hair. Standard hair conditioner leaves dry hair supremely smooth, soft feel and manageable with daily use. It helps replenish the health of your damaged hair.

Featuring

BRB 1298 : Provide superior wet & dry combing, conditioning effect. Improve hair volume and shine.

BRB DM 100 : Aid in spreadability. Provides emolliency to hair.

No	Ingredients	INCI	Dosage (%)
A1	Lanette O	Cetearyl Alcohol	7.00
A2	Tegosoft M	Isopropyl Myristate	0.50
A3	Prolipid 161	Behenyl Alcohol (and) Cetearyl Alcohol (and) Hydroxyethyl Cetearamidopropyltrimonium Chloride	0.20
A4	BRB DM 100	Dimethicone	2.00
B1	Aqua	Aqua	71.10
B2	EDTA	Disodium EDTA	0.10
B3	N-Hance CCG 45	Guar Hydroxypropyltrimonium Chloride	0.20
B4	Citric Acid	Citric Acid	0.20
B5	Glycerin	Glycerin	3.00
B6	Genamin KDMP	Behentrimonium Chloride	3.00
C1	DI Water	Aqua	10.00
C2	Celquat SC-230M	Polyquaternium-10	0.10
C3	Condicare PQ-7	Polyquaternium-7	1.00
D1	BRB 1298	Amodimethicone (and) Trideceth -7 (and) Trideceth -5 (and) Propylene Glycol (and) Trideceth-12	1.50
E1	Parfume	Parfum	0.10
E2	Preservative	Preservative	q.s

Approx. cost price indication of this formulation (raw materials): 0,69 Euro/kg.

Procedure

- 1) Heat and mix A1-A4 to 80-83°C.
- 2) In a separate beaker, add B2 into B1. Add B3 into the bulk and neutralise with citric acid.
- 3) Add B5 and B6 and heat to 80°C.
- 4) Add phase A into phase B and homogenise well. Cool bulk to 40°C.
- 5) Prepare phase C and add into emulsion, mixed well.
- 6) Add phase D and phase E and mix well.

Typical properties / additional information

Appearance : White emulsion

Viscosity at 24°C : Approx. 20,000 cPs

pH : 4.0-5.0

Attributes : Soft & smooth



Hair care

Guide formulation

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Daily moisturising shampoo

Daily moisturising shampoo works deep to strengthen the hair and conditions the surface for a healthy hair. Daily moisturising shampoo provides moisture balance while cleansing and invigorating hair and scalp for all types of hair.

Featuring

BRB 1288 : Repairs damaged fibres, provides excellent conditioning effect to hair.

BRB 5446 : Provides superior wet and dry combing and conditioning effect. Enhanced colour and heat protection.

No	Ingredients	INCI	Dosage (%)
A1	DI Water	Aqua	58.20
A2	Disodium EDTA	Disodium EDTA	0.10
A3	N-Hance CCG 45	Guar Hydroxypropyltrimonium Chloride	0.20
A4	Citric Acid	Citric Acid	0.20
B1	Dehyton PK 45	Cocoamidopropyl Betaine	6.00
B2	TexaponN 70/SG	Sodium Laureth Sulphate	20.00
B3	Ninol Comf-N	Cocamide MEA	0.80
B4	Galsoft Milcoside 200	Lauryl Glucoside	0.80
B5	Tego Alkanol L 4	Laureth-4	0.50
C1	DI Water	Aqua	10.00
C2	Celquat SC-230M	Polyquaternium-10	0.10
C3	Gafquat 755N-O	Polyquaternium-7	0.50
D1	Euperlan PK 771	Sodium Laureth Sulfate (and) Glycol Distearate (and) Cocamide MEA (and) Laureth-10	0.50
E1	BRB 1288	Amomodimethicone (and) Trideceth -12 (and) Cetrimonium Chloride	0.80
E2	BRB 5446	Silicone Quaternium-17 (and) Trideceth-7 (and) Trideceth-5	0.50
F1	Sodium Chloride	Sodium Chloride	0.10
F2	Parfume	Parfum	0.50
F3	Fiberhance BM.Sol	Hydroxypropyl Gluconamide (and) Hydroxypropyl Ammonium Gluconate	0.50
F4	Rokansal KS-4	Propylene Glycol (and) Benzyl Alcohol (and) Methylchloroisothiazolinone (and) Methylisothiazolinone	0.10

Approx. cost price indication of this formulation (raw materials): 0,70 Euro/kg

Procedure

- 1) Add A2 into water and dissolve well.
- 2) Add A3 into Step 1, mix well and neutralise with citric acid.
- 3) Add B1 & B2, mix well and start to heat.
- 4) Add B3 & B4 & B5 one by one into bulk and heat to 80 °C. Cool bulk to 40°C.
- 5) Prepare phase C and mix into bulk. Add phase D and phase E into bulk.
- 6) Adjust viscosity with F1. Add F2 & F3 & F4 one by one into bulk. Mix well after each addition.

Typical properties / additional information

Appearance : White
Viscosity at 24° : 12,000 - 15,000 cPs
pH : 5.0-5.5
Attributes : Soft & smooth



Hair care

Guide formulation

11

Gummy hair gel

Gummy hair gel is specially formulated to create soft sleek look, shiny appearance.

Gummy hair gel provides a well-defined hair structure and provide light hold and a trace of shine.

Featuring

BRB 526 : Provides smoothing and elasticity for gel film structure. Enhanced shine effect.

No	Ingredients	INCI	Dosage (%)
A1	DI Water	Aqua	19.50
A2	Carbomer 996	Carbomer	0.90
B1	DI Water	Aqua	5.00
B2	Disodium EDTA	Disodium EDTA	0.10
C1	TEA 99%	Triethanolamine	0.80
D1	AQUASTYLE SH-100	Acrylates Copolymer (and) Aqua	5.00
D2	TEA 99%	Triethanolamine	q.s
D3	PVP K-90 SOL.	PVP	4.00
D4	Glycerin	Glycerin	1.00
E1	BRB 526	PEG-12 Dimethicone	0.80
F1	Findet ARH- 52	PEG-40 Hydrogenated Castor Oil	0.50
F2	Parfume	Parfum	0.50
G1	Microcare BPI	Benzyl Alcohol (and) 2-Bromo-2-Nitropropane-1,3-Diol (and) Iodopropynyl Butylcarbamate	0.20
G2	Dye (0.1%)	Dye	q.s.

Approx. cost price indication of this formulation (raw materials): 0,83 Euro/kg.

Procedure

- 1) Add A2 in water and mixed with high speed. Disperse well.
- 2) Prepare phase B and mixed with phase A. Neutralise with C1.
- 3) Add D1 into bulk and neutralize with D2. Mix well.
- 4) Add D3-D4 one by one into bulk. Mix well.
- 5) In a separate beaker, prepare Phase F.
- 6) Add phase E and phase F into bulk and mixed well.
- 7) Add G1-G2 one by one into bulk. Mix well after each addition.

Typical properties / additional information

Appearance : Coloured gel
Viscosity at 24°C : 30,000 – 60,000 cPs
pH : 6.8-7.2
Attributes : Soft & smooth



Hair care

Guide formulation

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Detangling conditioner

Detangling conditioner provides excellent wet combing and detangling properties for even the curliest hair. It will give hair a silky feel, improves its style-holding and enhance its shine.

Featuring

BRB 1288 : Provides excellent conditioning effect to hair.

BRB DM 350 : It improves wet and dry combing and imparts a soft feel to the hair as well as improving shine.

No	Ingredients	INCI	Dosage (%)
A1	DI Water	Aqua	79.40
A2	Tetrasodium EDTA	Tetrasodium EDTA	0.10
A3	Glycerin	Glycerin	3.00
A4	WeKcelo HEC 30000	Hydroxyethyl Cellulose	0.30
A5	Quartamin AB	Behentrimonium Chloride	2.00
B1	Lanette O	Cetearyl Alcohol	3.50
B2	Crodamol™ SS	Cetyl Esters	1.00
B3	Behenyl Incroquat TMS-50	Behentrimonium Methosulfate (and) Cetyl Alcohol (and) Butylene Glycol	2.00
B4	Neossance Hemisqualene	C13-15 Alkane	1.00
B5	Helianthus Annuus Seed Oil	Helianthus Annuus (Sunflower) Seed Oil	2.00
B6	SCB Macadamia Oil	Macadamia Ternifolia Seed Oil	1.00
B7	Floralipids® Moringa Butter	Moringa Oil/Hydrogenated Moringa Oil Esters	1.00
C1	BRB 1288	Amodimethicone (and) Trideceth-12 (and) Cetrimonium chloride	1.00
C2	BRB 9719	Dimethicone (and) Laureth -4 (and) Laureth -23 (and) Salicylic Acid	1.00
C3	Vitamin E acetate	Tocopheryl Acetate	0.50
C4	D-Panthenol	Panthenol	0.50
D1	Microcare BPI	Bronopol (and) Iodopropynyl Butylcarbamate	0.20
D2	Parfume	Parfum	0.50

Approx. cost price indication of this formulation (raw materials): 1,26 Euro/kg.

Procedure

- 1) Heat and mix A1-A5 to 83-85°C.
- 2) In a separate beaker, heat B1-B7 to 83-85°C.
- 3) Add step 2 into step 1. Homogenise well. Cool bulk to 40°C.
- 4) Add C1-C4 into bulk one by one. Mix well after each addition.
- 5) Add D phase.

Typical properties / additional information

Appearance : White cream
Viscosity at 25°C : 12,500 – 15,000 cPs
pH : 4.0-5.0



Hair care

Guide formulation

13

Miracle oils hair beautifying cream

Miracle oils hair beautifying cream provides immediate shine, long lasting fiber nutrition, antifrizz and smoothing effect.

Featuring

BRB 5834 : Provides conditioning and shininess to hair.

No	Ingredients	INCI	Dosage (%)
A1	DI Water	Aqua	83.50
A2	Geogard ECT	Benzyl Alcohol (and) Salicylic Acid (and) Glycerin (and) Sorbic Acid	1.00
A3	WeylCare ATBS	Ammonium Polyacryloyldimethyl Taurate	1.50
A4	Genecare OSMS BA	Betaine	2.00
B1	BRB 5834	Phenyl Trimethicone (and) Laureth-4 (and) Silicone Quaternium-17 (and) Laureth-23	2.00
B2	Lipex Shealight	Shea butter ethyl esters (petitioned)	2.00
B3	Organic virgin deodorised argan oil	Argania Spinosa (Argan) Oil	2.00
B4	Jjoba Oil.	Simmondsia chinensis(jjoba) seed oil	2.00
B5	Blanova Almond Oil Organic	Prunus Amygdalus Dulcis Oil	2.00
B6	Blanova Olive Oil Extra Virgin Organic	Olea Europaea (Olive) Fruit Oil	2.00

Procedure

- 1) Add A2 in water and mixed with high speed. Disperse well.
- 2) Prepare phase B and mixed with phase A. Neutralise with C1.
- 3) Add D1 into bulk and neutralize with D2. Mix well.
- 4) Add D3-D4 one by one into bulk. Mix well.
- 5) In a separate beaker, prepare phase F.
- 6) Add phase E and phase F into bulk and mixed well.
- 7) Add G1-G2 one by one into bulk. Mix well after each addition.

Typical properties / additional information

Appearance : Coloured gel
Viscosity at 24°C : 30,000 – 60,000 cPs
pH : 6.8-7.2
Attributes : Soft & smooth



Hair care

Guide formulation

14

Silky cuticle coat

Silky cuticle coat is a full silicone based hair serum. Silky cuticle coat helps to repair split end. It leaves hair silky and smooth.

Featuring

BRB 1834 : Provides silkiness and smoothness to hair.

BRB CM 50 : Provides light and non-greasy after feel.

No	Ingredients	INCI	Dosage (%)
A1	BRB 1834	Cyclopentasiloxane (and) Dimethiconol	60.00
A2	BRB CM 50	Cyclopentasiloxane	40.00

Procedure

1) Add A1 & A2 into bulk and mix well.

Typical properties / additional information

Appearance : Clear liquid
Viscosity at 24°C : Approx. 800 cPs
pH : NA
Attributes : Soft, silky feel



Skin care

Guide formulation

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Aqua boost cream

Aqua boost cream is a water-in-silicone emulsion which provides extra hydration to your skin. By rubbing Aqua boost cream onto your skin, it provides cooling sensation and refresh your skin.

Featuring

BRB 423 : Act as water-in-silicone emulsifier.

BRB 2835 : Provide excellent lubricity, emolliency and shine.

BRB DM 10 : Aid in spreadability. Provide emolliency to skin.

BRB CM 50 : Provide light and dry skin feel.

BRB SG 106 : Provide excellent velvet and intense after feel. Also help to build up viscosity.

No	Ingredients	INCI	Dosage (%)
A1	BRB 423	Cetyl PEG/PPG-10/1 Dimethicone	1.50
A2	BRB 2835	Cetyl Methicone	1.00
A3	BRB DM 10	Dimethicone	3.00
A4	BRB CM 50	Cyclopentasiloxane	5.50
A5	BRB SG 106	Cyclopentasiloxane (and) Dimethicone/ Vinyl Dimethicone Crosspolymer	2.00
B1	DI Water	Aqua	84.00
B2	Sodium Chloride	Sodium Chloride	1.00
B3	Propylene Glycol	Propylene Glycol	2.00
C1	Preservative	Simmondsia chinensis(jojoba) seed oil	0.80

Approx. cost price indication of this formulation (raw materials): 1,32 Euro/kg.

Procedure

- 1) Add phase A into bulk and mix well.
- 2) In a separate beaker, add phase B. Mix well.
- 3) Add step 2 slowly into step 1. Homogenise well.
- 4) Add C1 into bulk and mix well.

Typical properties / additional information

Appearance : White cream
Viscosity at 24°C : Approx. 45,000 cPs
Sensory attributes : Light, soft and hydrate



Skin care

Guide formulation

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Fruity jelly serum II

Fruity jelly serum II is a high viscosity formulation with jelly texture which provides skin moisturisation. By applying fruity jelly serum II onto your skin, it provides soft and silky touch.

Featuring

BRB DM 5 : Aid in spreadability. Provides emolliency to skin.
BRB 6341 : Excellent conditioning ability, provides a silky feeling.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	DI Water	Aqua	50.00
A2	Stabylen 30 (3V Sigma)	Acrylates/Vinyl Isodecanoate Crosspolymer	0.20
A3	Sodium Hydroxide	Sodium Hydroxide	q.s.
A4	Adeka Nol GT-730 (Adeka)	PEG-240/HDI Copolymer Bis-Decyltetradeceth-20 Ether	3.50
B1	BRB DM 5	Dimethicone	4.00
B2	BRB 6341	PEG-10 Dimethicone	1.00
C1	DI Water	Aqua	34.20
C2	Sodium Chloride	Sodium Chloride	0.50
C3	Propylene Glycol	Propylene Glycol	5.00
C4	Glycerin	Glycerin	1.50
D1	Preservative		q.s.
D2	Perfume (Sillage Aromatique	Parfum	0.10
D3	Colorant		q.s.

Approx. cost price indication of this formulation (raw materials): 1,71 Euro/kg.

Procedure

- 1) Mix A1 & A2 well.
- 2) Then adjust pH to 5.0-6.0 with A3.
- 3) Add A4 into bulk and homogenise. Heat to 50°C.
- 4) Add B1 & B2 into bulk and homogenise for 5 mins. Maintain at 50°C.
- 5) In a separate beaker, Mix C1-C4 well. And heat to 50°C.
- 6) Slowly add step 5 into step 4. Homogenise for 5 mins at 50 °C.
- 7) Cool bulk to 35°C.
- 8) Add D1-D3 one by one into bulk. Mix well after each addition.

Typical properties / additional information

Appearance : Coloured viscous jelly
Viscosity at 25°C (spindle 5, speed 10) : approx. 20,000 cPS
pH : 5.0-6.0
Sensory attributes : Light, soft



Skin care

Guide formulation

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Blue light protective make-up remover spray

Blue light protective make-up remover spray is a powerful and gentle makeup remover spray that instantly dissolves makeup in one swipe and leaves skin nourished and refreshed with blue light protection.

Featuring

BRB 526 : Excellent conditioning ability. Acts as surface tension depressant and wetting agent.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	DI Water	Aqua	87.50
A2	Original Extract Rice	Oryza Sativa (Rice) Bran Water	2.00
A3	Genecare OSMS BA	Betaine	2.00
A4	Brontide BG	Butylene Glycol	3.00
A5	BRB 526	PEG-12 Dimethicone	3.00
A6	Keltrol CG-SFT	Xanthan Gum	0.50
A7	Energinius	Fructose (and) Glycerin (and) Water (and) Withania Somnifera Root Extract	1.00
A8	Geogard ECT	Benzyl Alcohol (and) Salicylic Acid (and) Glycerin (and) Sorbic Acid	1.00

Approx. cost price indication of this formulation (raw materials): 1,94 Euro/kg.

Procedure

- 1) Add all phase A ingredients except Keltrol CG-SFT into a beaker.
- 2) Ensure proper solution of ingredients whilst proper mixing.
- 3) Whilst mixing, add Keltrol CG-SFT slowly into beaker.
- 4) Adjust pH with citric acid solution between 5.00-6.00, if needed.

Typical properties / additional information

Appearance : Coloured viscous jelly
Viscosity at 25°C (spindle 5, speed 10) : 200 - 400 cPS
pH : 5.0-6.0



Skin care

Guide formulation

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Emulsifier-free silicone gel cream

Emulsifier-free silicone gel cream absorbs instantly to make skin soft, supple and smooth after feel.

Featuring

BRB DM 100 : Aid in spreadability. Provides emolliency to skin.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	DI Water	Aqua	88.00
A2	Geogard ECT	Benzyl Alcohol (and) Salicylic Acid (and) Glycerin (and) Sorbic Acid	1.00
A3	WeylCare ATBS	Ammonium Polyacryloyldimethyl Taurate	1.00
A4	BRB DM 100	Dimethicone	10.00

Approx. cost price indication of this formulation (raw materials): 0,90 Euro/kg.

Procedure

- 1) Add A1 and A2 into beaker and dissolve by mixing at 80 rpm for 2 minutes by magnetic stirrer.
- 2) Add A3 into mixture and homogenise for 45 seconds at 11000 rpm using Ultra Turrax.
- 3) Add A4 into mixture and homogenise for 45 seconds at 11000 rpm then homogenise for 45 seconds at 16000 rpm.
- 4) Place mixture into componentry.

Typical properties / additional information

Appearance : White cream
Viscosity at 25°C (spindle 5, speed 10) : 20,000 – 30,000 cPs
pH : 5.0-6.0



Skin care

Guide formulation

19

Micellar water

Micellar water is a mild and light clear make-up remover lotion. Micellar water removes makeup and cleans skin.

Featuring

BRB 526 : Removes make up and cleans skin.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	DI Water	Aqua	84.00
A2	BRB 526	PEG-12 Dimethicone	5.00
A3	Glycerin	Glycerin	3.00
A4	Massocare PEG-6 CCG	PEG-6 Caprylic/Capric Glycerides	2.00
A5	Betaine	Betaine	4.00
A6	Cucumber Hydroglycerin Extract ECO SBAC	Aqua, Glycerin, Cucumis Sativus (Cucumber) Fruit extract, Sodium Benzoate, Citric Acid	1.00
A7	Sharomix CPP	Caprylyl Glycol, Phenylpropanol	1.00

Approx. cost price indication of this formulation (raw materials): 1,34 Euro/kg.

Procedure

- 1) Add ingredient one by one to ensure transparency. Use magnetic stirrer.
Slightly heat (approx. 50°C) if getting turbid at the end.

Typical properties / additional information

Appearance : White cream
Viscosity at 25°C (spindle 5, speed 10) : NA
pH : 5.5-6.5



Skin care

Guide formulation

20

Solar protecting cream

Solar protecting cream provides superior sun protection for skin. Vanishes on skin for a weightless and non-greasy feel.

Featuring

BRB DM 10 : Aid in spreadability. Provides emolliency to skin.
BRB CM 50 : Provides light and dry skin feel.
BRB TMS-50C : Act as film former. Gives wash-off resistance effect.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	DI Water	Aqua	63.10
A2	Glycerin	Glycerin	2.00
A3	Tetrasodium EDTA	Tetrasodium EDTA	0.10
B1	Cosmowax D	Cetearyl Alcohol (and) Ceteareth-20	4.50
B2	Crodamol GTCC	Dimethicone	4.00
B3	IPM	PEG-10 Dimethicone	2.00
B4	Parsol MCX	Ethylhexyl Methoxycinnamate	2.00
B5	Parsol 1789	Buthyl Methoxydibenzoylmethane	7.00
B6	Parsol 340	Octocrylene	3.00
B7	BRB DM 10	Dimethicone	8.00
B8	Aristoflex AVC	Ammonium Acryloyldimethyltaurate/VP Copolymer	0.80
C1	CM 50	Cyclopentasiloxane	3.00
C2	BRB TMS-50C	Cyclopentasiloxane (and) Trimethylsiloxysilicate	2.00
D1	Vitamin E Acetate	Tocopheryl Acetate	0.50
D2	Preservative		q.s.

Procedure

- 1) Add phase A into bulk and heat to 70-75°C.
- 2) In a separate tank, add B1-B7 and heat to 70-75°C.
- 3) Add B8 into step 2 when ingredients fully melted. Mix well.
- 4) Add step 3 into step 1. Homogenise well.
- 5) At <60°C, add in C1 and C2 into bulk and homogenise well.
- 6) Then add phase D one by one into bulk. Mix well after each addition.

Typical properties / additional information

Appearance : A light yellow cream
Viscosity at 25°C (spindle 5, speed 10) : Approx. 33000 cPs
pH : 6.5-7.5
Sensory attributes : Good spreadability, non-greasy



Skin care

Guide formulation

21

Mineral hand cream

Mineral hand cream is an oil in water emulsion which provides hydration and hand protection. Mineral hand cream delivers essential nutrients to maintain healthy, hydrated, and supple skin. It nourishes dry, chapped hands, protecting against daily damage.

Featuring

BRB DM 100 : Aid in spreadability. Provide emollience to skin.
BRB CM 50 : Provide light and dry skin feel.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	Tego Alkanol 1618	Cetearyl Alcohol	5.00
A2	Eumulgin B 25	Ceteareth-25	2.50
A3	Paraffinum Liquidum	Paraffinum Liquidum	2.00
A4	BRB DM 100	Dimethicone	2.00
A5	BRB CM 50	Cyclopentasiloxane	1.50
B1	DI Water	Aqua	82.00
B2	Glycerin	Glycerin	2.00
C1	Sodium Chloride	Sodium Chloride	0.50
C2	Propylene Glycol	Propylene Glycol	1.00
C3	Glycerin	Glycerin	0.20
C4	Preservative		1.00

Procedure

- 1) Add phase A into bulk and heat to 75°C.
- 2) In a separate beaker, add phase B and heat to 75°C.
- 3) Add step 2 into step 1 and add C1 when two phases mixed.
- 4) Adjust pH to 7.0-7.5
- 5) Cool bulk to 45°C. Add C2-C4 one by one into bulk and mix well.

Typical properties / additional information

Appearance : White cream
Viscosity at 25°C (spindle 5, speed 10) : Approx. 45,000 cPs
pH : NA
Sensory attributes : Light, soft



Skin care

Guide formulation

22

Baby soothing lotion

Baby soothing lotion is a non-greasy formula which helps to protect baby's dry and delicate skin. Make it feels soft, smooth and healthy. The fast-absorbing, contains no drying alcohols formula, make it gentle enough for infants and babies' sensitive skin.

Featuring

BRB DM 100 : Aids in spreadability. Provides emolliency to skin.
BRB SG 106 : Provides excellent velvet and intense after feel. Also help to build up viscosity.
BRB CM 50 : Provides light and dry skin feel.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	DI Water	Aqua	81.25
A2	EDTA	Tetrasodium EDTA	0.05
A3	Glycerin	Glycerin	2.00
A4	Stabylen 30	Acrylates/Vinyl Isodecanoate Crosspolymer	0.20
B1	Almond oil	Prunus dulcis (Almond) Oil	2.00
B2	BRB DM 100	Dimethicone	2.00
B3	Macadamia Oil	Macadamia Ternifolia (Macadamia) Seed Oil	1.00
B4	Tewax TC-65	Glyceryl Stearate (and) PEG-100 Stearate	1.50
B5	Cetearyl Alcohol	Cetearyl Alcohol	3.00
C1	BRB SG 106	Cyclopentasiloxane (and) Dimethicone/ Vinyl Dimethicone Crosspolymer	1.50
C1	BRB CM 50	Cyclopentasiloxane	4.00
D1	10% NaOH	Sodium Hydroxide	q.s.
E1	Aloe Vera extract	Aloe Barbadensis Leaf Extract	1.00
E2	Vitamin E acetate	Tocopheryl Acetate	0.50.
E3	Lavender oil	Lavandula Angustifolia (Lavender) Oil	0.20

Procedure

- 1) Add A1-A3 into bulk. Mix well.
- 2) Sprinkle A4 into bulk and mix well. Heat to 70-75°C.
- 3) In a separate beaker, heat phase B to 70-75°C.
- 4) Add step 3 into step 2. Homogenise well.
- 5) Premix C1 & C2. At 60°C, add premix into bulk. Mix well.
- 6) Add D1 to adjust pH to 5.5-6.5
- 7) Cool bulk to 45°C. Add E1-E3 one by one into bulk and mix well.

Typical properties / additional information

Appearance : White cream
Viscosity at 25°C (spindle 5, speed 10) : Approx. 18,000 cPs
pH : 5.0-6.0
Sensory attributes : Soft, gentle



Skin care

Guide formulation

23

Beard line-up shaving gel

Beard line-up shaving gel is clear, non-foaming shave gel allows to see where are shaved so that it helps to design beard style with ease. Beard line-up shaving gel provides perfect touchups and cleanups for beards. Lay the gel on line over desired shaving areas to shape and design. It creates a layer between the blade and your skin, shielding it from cuts, nicks, and most importantly, razor burns.

Featuring

BRB 526 : Provides smoothing and elasticity for gel film structure. Enhanced shine effect.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	DI Water	Aqua	87.95
A2	Carbomer 996	Carbomer	0.60
B1	DI Water	Aqua	5.00
B2	Disodium EDTA	Disodium EDTA	0.10
C1	Glycerin	Glycerin	3.00
C2	NATROSOL 250HHR	Hydroxyethylcellulose	0.25
D1	TEA 99%	Triethanolamine	0.80
E1	BRB 526	PEG-12 Dimethicone	0.80
F1	Findet ARH- 52	PEG-40 Hydrogenated Castor Oil	0.50
F2	Parfume	Parfum	0.50
G1	Microcare BPI	Benzyl Alcohol (and) 2-Bromo-2-Nitropropane-1,3-Diol (and) Iodopropynyl Butylcarbamate	0.50

Approx. cost price indication of this formulation (raw materials): 0,3 Euro/kg.

Procedure

- 1) Add A2 in water and mix with high speed. Disperse well.
- 2) Prepare phase B and mix with phase A.
- 3) In a separate beaker, prepare phase C and add into bulk.
- 4) Mixed with high speed to dissolved well. Neutralise with D1.
- 5) Add phase E and phase F into bulk and mix well.
- 6) Add G1 into bulk. Mix well after each addition.

Typical properties / additional information

Appearance : Clear gel
Viscosity at 25°C (spindle 5, speed 10) : 30,000 – 60,000 cPs
pH : 7.0-7.5



Skin care

Guide formulation

24

Nourishing shower gel

Nourishing shower gel is a refreshing everyday body wash that cares the skin. Nourishing shower gel nourishes deep into the surface layers of the skin and it gives you softer, smoother skin after just one shower.

Featuring

BRB 526 : Acts as surface tension depressant and wetting agent.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	DI Water	Aqua	75.50
A2	BRB 526	PEG-12 Dimethicone	1.00
A3	TexaponN 70/SG	Sodium Laureth Sulfate	13.00
A4	Dehyton PK 45	Cocamidopropyl Betaine	4.00
A5	Ninol 40-CO	Cocamide DEA	2.00
A6	Dehyquart CC 7	Polyquaternium-7	0.70
A7	Glycerine	Glycerine	0.50
A8	D-Panthenol	Panthenol	0.30
B1	Parfume	Cetearyl Alcohol	0.50
B2	Euxyl PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	0.50
C1	Citric acid	Citric Acid	q.s.
C2	Salt	Sodium Chloride	2.00

Approx. cost price indication of this formulation (raw materials): 0,55 Euro/kg.

Procedure

- 1) Add phase A one by one into bulk. Mix well after each addition.
- 2) Add phase B into the bulk.
- 3) Adjust pH to 5.5-6.5 using C1.
- 4) Adjust viscosity with C2.

Typical properties / additional information

Appearance : Clear viscous liquid
Viscosity at 25°C (spindle 5, speed 10) : 7,000 – 9,000 cPs
pH : 5.5-6.5



Skin care

Guide formulation

25

DEO roll-on

DEO roll-on is an antiperspirant W/Si emulsion which protects your skin to breath. DEO roll-on provides soft silky dry touch on skin.

Featuring

BRB 6373 : Act as water-in-silicone emulsifier.
BRB CM 50 : Provide light and dry skin feel.
BRB DM 50 : Aid in spreadability. Provide emolliency to skin.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	BRB 6373	Cyclopentasiloxane (and) PEG/ PPG-18/ 18 Dimethicone	5.00
A2	BRB CM50	Cyclopentasiloxane	15.00
A3	BRB DM 50	Dimethicone	2.00
B1	DI water	Aqua	33.80
B2	Sodium Chloride	Sodium Chloride	1.00
B3	Glycerin	Glycerin	2.00
B4	Clorohidróxido de Aluminio 50%	Aluminium Chlorohydrate	40.00
B5	Phenoxyethanol	Phenoxyethanol	0.50
C1	Parfume	Parfum	0.10

Procedure

- 1) Mix well A1-A3.
- 2) Mix B1-B5 separately.
- 3 Add phase B slowly into phase A while stirring.
- 4) Add C1 into bulk and mix well.

Typical properties / additional information

Appearance : Light fluid white emulsion
Viscosity at 25°C (spindle 5, speed 10) : NA
pH : NA



Colour cosmetics

Guide formulation

26

Liquid highlighter

Liquid highlighter is a beautiful reflective white pearl liquid highlighter drops with a variety of uses. It can be used alone as a liquid highlighter, simply apply to the high points of the face and blend with a synthetic brush or sponge for dimension and glow.

Featuring

BRB DM 55 : Aid in spreadability, sticky feel removing.

BRB TMS-50CM : Provides colour fixing for no transfer and long lasting.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	DI Water	Aqua	77.5
A2	Geogard ECT	Benzyl Alcohol, Salicylic Acid, Sorbic Acid, and Glycerin	1.00
A3	Weylcare ATBS	Ammonium Polyacryloyldimethyl Taurate	1.50
B1	Specialpearl	Mica, Titanium Dioxide, Iron Oxide	5.00
B2	BRB TMS-550CM	Caprylyl Methicone (and) Trimethylsiloxysilicate	5.00
B3	BRB DM 55	Dimethicone	10.00
C1	NaOH (44%)	Sodium Hydroxide	q.s.

Procedure

- 1) Add A1 and A2 into beaker and dissolve by mixing at 80 rpm for 2 minutes by magnetic stirrer.
- 2) Adjust pH between 5.00-6.00 with 20% NaOH solution.
- 3) Add A3 into mixture and homogenise for 45 seconds at 11000 rpm using Ultra Turrax.
- 4) Add phase B ingredients into another beaker and disperse well.
- 5) Add phase B mixture into phase A and homogenise for 45 seconds at 11000 rpm then homogenise for 45 seconds at 16000 rpm.
- 6) Place mixture into componentry.

Typical properties / additional information

Appearance : Pearl liquid
pH : 5.0-6.0
Viscosity : 2,000 - 3,000 cPs



Colour cosmetics

Guide formulation

27

Cover up BB cream

Cover up BB cream provides perfect coverage for enlarged pores, blemishes, dots, darkening and sorts of skin flaws.

Featuring

BRB DM 350 : Aid in spreadability. Provides emolliency to skin.

BRB TMS-50I : Colour fixing for no transfer and long lasting.

BRB 1834 : Provides non-occlusive barrier coat and imparts a silky feel.

BRB SG 516 : Provides excellent powdery and smooth skin feel. Also help to build up to viscosity.

No	Ingredients (Suppliers)	INCI	Dosage (%)
A1	Uvinul MC 80	Ethylhexyl Methoxycinnamate	10.00
A2	Uvinul N 539 T	Octocrylene	10.00
A3	Kalcol 6850	Cetearyl Alcohol	5.00
A4	Tego Care 165	Glyceryl Stearate (and) PEG-100 Stearate	4.00
A5	Teginacid C Pellets	Ceteareth 25	3.00
A6	Beeswax	Beeswax	1.00
A7	Tegosoft M	Isopropyl Myristate	2.00
A8	Macademia Oil	Macademia Oil	0.50
A9	BRB DM 350	Dimethicone	2.00
B1	DI Water	Aqua	35.50
B2	Glycerine	Glycerine	2.00
B3	Rhodiaceare XC	Xanthan Gum	0.50
B4	D-Panthenol	D-Panthenol	0.50
C1	Creasperse BB AF (Olive Beige)	Titanium Dioxide (CI 77891) (and) Hydrogenated Polydecene (and) Iron Oxides (CI 77492) (and) Hydroxystearic Acid (and) Distearidimonium Hectorite (and) Iron Oxides (CI 77491) (and) Iron Oxides (CI 77499) (and) Propylene Carbonate	15.00
C2	Pelavie Blanc ISO 16128	Bentonite	2.00
D1	BRB SG 516	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	2.00
D2	BRB 1834	Cyclopentasiloxane (and) Dimethiconol	2.00
D3	BRB TMS-50I	Isododecane (and) Dimethiconol	2.00
E1	Euxyl PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	1.00

Procedure

- 1) Add A1-A9 into a beaker and heat to 80-85°C.
- 2) In a separate beaker, prepare phase B and heat to 80-85°
- 3) Add step 1 into step 2. Homogenise well.
- 4) Add C1 & C2 and homogenise well. Cool bulk to 45°C.
- 5) Prepare phase D and homogenise well. Add phase D and E.

Typical properties / additional information

Appearance : Olive beige cream
pH : NA
Viscosity : 10,000 – 20,000 cPs



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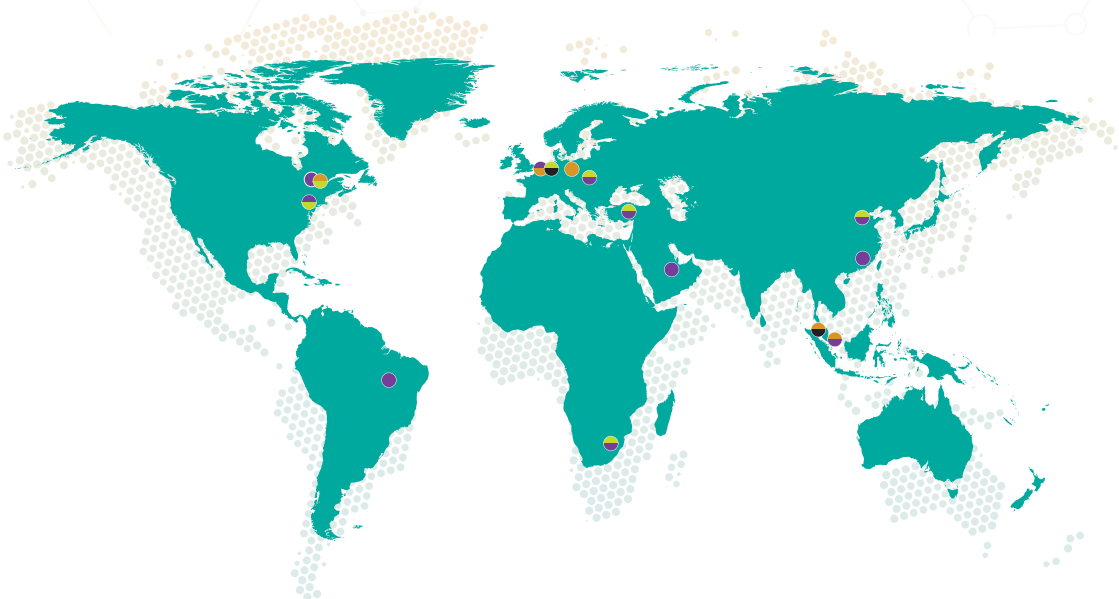
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