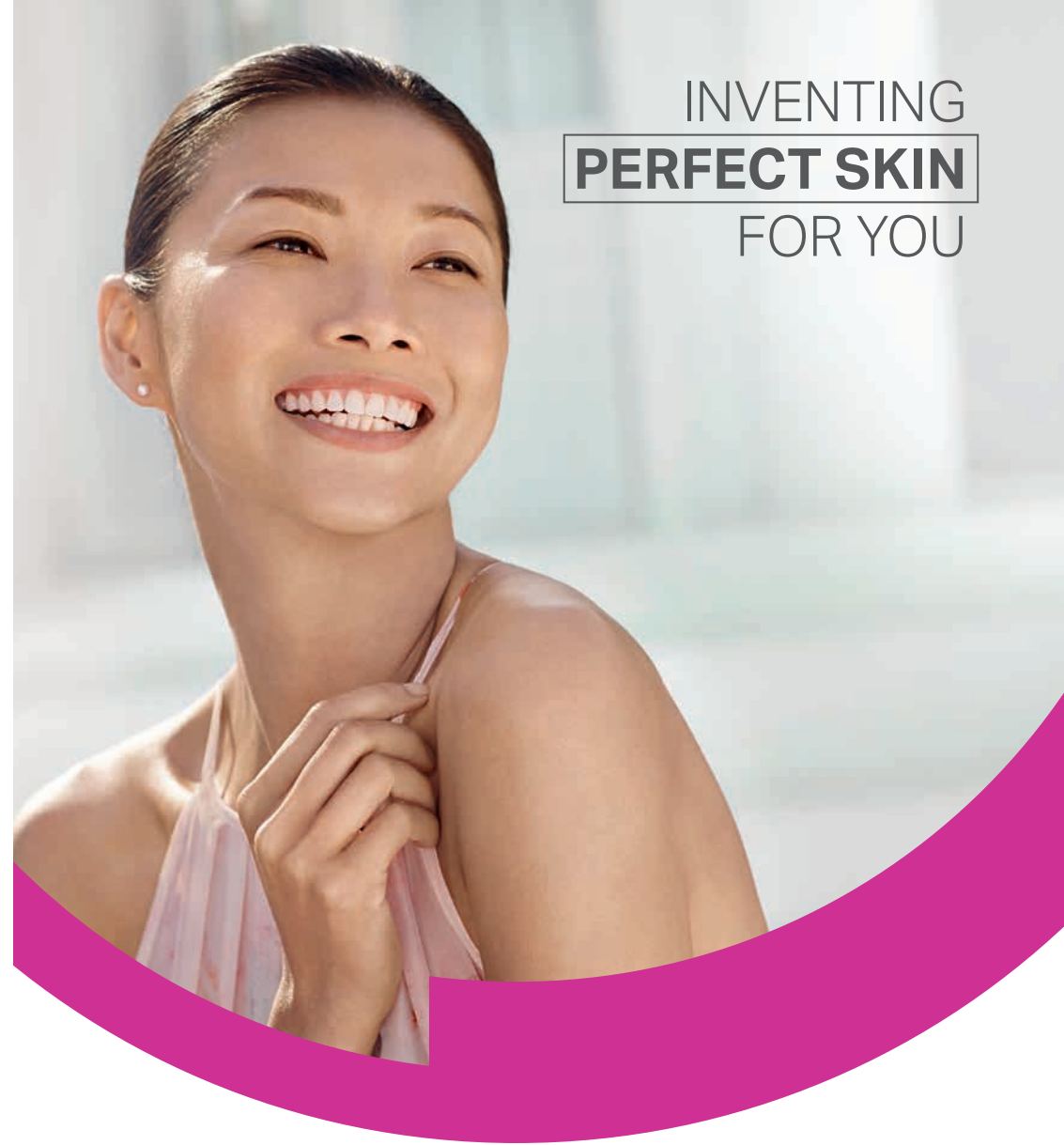




INVENTING **PERFECT SKIN** FOR YOU



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Beauty Made Possible.

Baycusan®





»Our skin is like a delicate pearl.
Let's treasure its beauty
with gentle passion.«

Around the world, notions of beauty are as colorful as the people who pursue them. There is certainly more than just one kind of beauty, and everybody has their own idea of what beauty involves. Although personal definitions may differ, one aspect remains the same: Everyone wants to be beautiful in some way. And that's what Baycusan® is all about – enabling individual beauty through your products.

Baycusan® is your key ingredient for creating products that enable people to be as beautiful as they would like to be. We are passionate about inventing products – for you and together with you – that expand the possibilities for being beautiful. We like to keep raising the bar, re-inventing and perfecting, so that in the end it's not just products but **Beauty Made Possible**.

This brochure presents three formulation lines featuring our innovative film-formers Baycusan® C 1000, Baycusan® C 1001 and Baycusan® C 1004, and our polyurea powder Baycusan® C 1005. They set new benchmarks in skin care with outstanding cleansing, conditioning and treatment capabilities – for perfect skin every day.

Skincare Product Lines

■ Skin Cleansing Peel off imperfection.	04
■ Skin Conditioning Even out imperfection.	08
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Peel off imperfection.

Skin**Cleansing** – comfortable peeling masks for velvety smooth skin.

Skin has a natural tendency to imperfection – sometimes a little more, sometimes a little less. Removing excess grease and impurities is no big deal – at least it shouldn't be. Yet most cleansing facemasks are hard to peel off and leave irritations or a feeling of tight skin.

That's where our innovative film-former Baycusan® C 1001 is just doing the right job. It forms a flexible and breathable film that is not only comfortable to wear but also makes every mask really easy to peel off. The only thing left is velvety smooth skin – made possible by our Skin**Cleansing** formulation line!

– Skin**Cleansing** Soothing Wet Peel-off Mask



SkinCleansing Soothing Wet Peel-off Mask

"Leave behind the traces of a stressful day."

Key Benefits:

- High wear comfort
- Fast drying process
- Good rub-off resistance
- Easily peeled off without any skin irritation
- Velvety smooth touch feel of skin
- Possibility to incorporate various actives
- Facilitating longer-lasting retention of actives on the surface of skin
- Increasing efficacy of active ingredients

Formulation:

RR 8062

Phase	Ingredient	% by wt.
A	Acrylates/C10-30 Alkyl Acrylate Crosspolymer ¹	0.40
	Hydroxyethylcellulose ²	0.40
	Aqua	57.78
	Baycusan® C 1001	30.00
	Alcohol Denat.	5.00
	Dipropylene Glycol	5.00
	Aminomethyl Propanol (to pH 6.0 – 7.0)	0.12
	PEG-40 Castor Oil	0.50
	Propyl Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate	0.80
		100.00

Raw materials: ¹ Carbopol® Ultrez 21, Lubrizol. ² Natrosol™ 250 HHR, Ashland.

Processing: At room temperature, add all ingredients except Aminomethyl Propanol one by one while mixing. Then, add Aminomethyl Propanol to pH 6.0 – 7.0 while mixing until homogeneous.

Even out imperfection.

Skin**Conditioning** – for flawless make-up and easy removal day after day.

An excellent appearance is particularly important to most women. And that naturally includes their make-up. Perfect make-up depends on well-prepared, flawless skin. Yet this is often hard to achieve, and removing make-up after a stressful day is nearly always an annoying job – especially when time is tight.

That's why our innovative film-former Baycusan® C 1000 is designed to enable perfect make-up every morning. It effectively fades out imperfections, has great sensory properties, and lets make-up last longer. After a stressful day, Baycusan® C 1004 allows a woman to remove her make-up quickly and gently with nothing but warm water – made possible by our Skin**Conditioning** formulation line!

- Skin**Conditioning EasyClean** Primer
- Skin**Conditioning Make-up** Primer Spray



SkinConditioning EasyClean Primer

"The fast track to perfect make-up – and back."

Key Benefits:

- Make-up long-lasting
- Easy-to-wash off using only warm water
- No need for make-up remover

Formulation:

RR 8083

Phase	Ingredient	% by wt.
A	Aqua	68.18
	Dipropylene Glycol	6.00
	Disodium EDTA	0.20
	Ammonium Acryloyldimethyl Taurate/VP Copolymer	2.00
B	Titanium Dioxide (and) Silica ¹	1.00
	Iron Oxide Yellow	0.05
	Iron Oxide Red	0.02
	Kaolin	0.30
C	Microcrystalline Wax	0.25
	Dimethicone ²	5.00
	Polysorbate-80	1.00
	PEG-120 Methyl Glucose Dioleate ³	2.00
D	Phenoxyethanol (and) Ethylhexylglycerin ⁴	0.50
	Alcohol Denat.	6.00
E	Baycusan® C 1004	7.50
		100.00

Raw materials: ¹Eusolex® T-AVO, Eusolex. ²Dow Corning® 200 Fluid, Dow Corning.

³Glucamate TM DOE-120, Lubrizol. ⁴Euxyl® PE-9010, Schuelke & Mayr.

Processing: Phase A should be pre-dispersed at 60~70 °C and stirred. Phase B is added to phase A at 60~70 °C while stirring. Phase C is pre-dispersed 60~70 °C, and then added to phase A + B.

Then homogenize the mixture phase A + B + C for at least 15 minutes. Add phase D and phase E when the temperature is below 45 °C, keep stirring until phases are homogeneous.

SkinConditioning Make-up Primer Spray

"Smoothing the way for perfect make-up."

Key Benefits:

- No tacky afterfeel
- Quick drying
- Line filling
- Soft focus line blurring
- Make-up long-lasting

Formulation:

RR 8072

Phase	Ingredient	% by wt.
A	Aqua	63.00
	Glycerin	1.00
	Potassium Sorbate	0.10
	Sodium Benzoate	0.20
	Acrylates/C10-30 Alkyl Acrylate Crosspolymer ¹	0.25
	Triethanolamine	0.25
B	Diisopropyl Adipate ²	6.00
	PPG-2 Myristyl Ether Propionate ³	3.00
	Isoamyl Laurate ⁴	6.00
C	Isododecane (and) Polysilicone-11 ⁵	10.00
D	Butylene Glycol	5.00
	Chlorphenesin	0.20
E	Baycusan® C 1000	5.00
		100.00

Raw materials: ¹Pemulen® TR-2, Lubrizol. ²Dermol DIA, Akzo. ³Crodamol™ PMP, Croda.

⁴Radia 7750, Brenntag. ⁵Gransil PC-12, Grant.

Processing: Prepare the water phase. Dissolve ingredients of phase A in deionized water. Mix until uniform. In a separate vessel, combine phase B ingredients. Mix until uniform and add to phase A. Add phase C. Mix very vigorously to disperse. Homogenization may be used. Combine phase D (heat lightly if needed) and add to main batch. Add Baycusan® C 1000. Homogenize. Mix until uniform. Check pH. If necessary, adjust pH to 6.0 – 6.5.

Additional info: Cold process, sprayable.



Ward off imperfection.

Skin**Treatment** – gentle support for perfect skin.

The state of our skin impacts greatly on whether we feel good or not. People suffering from acne, for example, don't feel comfortable in their skin and are grateful for effective help. At the same time, a good many others are worried about the right daily protection from the sun as they want to delay their skin's aging process for as long as possible.

Baycusan® provides the right solution for both needs. Our versatile film-former Baycusan® C 1000 not only improves the efficacy of anti-acne serums, it also boosts the sun protection factor in BB creams. And to make things as comfortable as possible, our polyurea powder Baycusan® C 1005 provides outstanding sensory properties for a smooth-feeling skin – made possible by our Skin**Treatment** formulation line!

- Skin**Treatment Anti-Acne** Cream
- Skin**Treatment Anti-Aging** BB Cream SPF 20

SkinTreatment

Anti-Acne Cream

"What is acne?"

Key Benefits:

- Efficacy improvement of the anti-acne serum: significant reduction of lesion size and inflammation
- Longer-lasting retention of the salicylic acid on the surface of human skin

Formulation:

RR 8044

Phase	Ingredient	% by wt.
A	Aqua	44.90
	Disodium EDTA	0.10
	Allantoin	0.25
	Glycerin	3.00
	Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate	0.25
	Ammonium Acryloyldimethyltaurate/VP Copolymer	1.00
	Cyclopentasiloxane (and) Cyclohexasiloxane ¹	5.00
B	Isododecane	5.00
	Caprylic/Capric Triglyceride	5.00
	Isododecane (and) Polysilicone-11 ²	8.00
	Polysorbate 20	1.00
	Polyacrylamide (and) C13-14 Isoparaffin (and) Laureth-7 ³	3.00



Phase	Ingredient	% by wt.
C	Salicylic Acid	2.00
	Butylene Glycol	5.00
	Dimethyl Isosorbide ⁴	5.00
	Bisabolol	0.50
	PPG-5-Ceteth-20	3.00
	Ammonium Hydroxide	0.50
	D	Aqua (and) Butylene Glycol (and) Glycerin (and) Avena Sativa (Oat) Kernel Extract ⁵
Glycerin (and) Aqua (and) Camellia Oleifera Leaf Extract ⁶		0.50
E	Baycusan® C 1000	5.00
		100.00

Raw materials: ¹ Xiameter® PMX-0345 Cyclosiloxane Blend, Biesterfeld. ² Gransil PC-12, Grant Industries. ³ Sepigel® 305, Seppic. ⁴ Super Refined™ Arlasolve™ DMI, Croda. ⁵ Drago-Beta-Glucan, Symrise. ⁶ Actiphyte® of Tea Conc. BG50P, Active Organics, Inc.

Processing: Add phase A ingredients in main vessel at room temperature sequentially, as listed. Mix with rapid agitation until thick and uniform. In separate vessel, combine phase B ingredients. Mix until uniform. Add to phase A. Prepare phase C by combining all ingredients except Ammonium Hydroxide. Mix until uniform and clear. Add Ammonium Hydroxide. Add to main vessel. Adjust pH 4.0 – 4.5 if necessary. Add phase D and E and mix until homogeneous.



SkinTreatment

Anti-Aging BB Cream SPF 20

"Superior care for beautiful skin."

Key Benefits:

- UVA/UVB protection
- Moisturizing
- Anti-Aging
- Brightening/Illuminating
- Soothing
- Nourishing
- Soft-focus effect
- Radiance

Formulation:

RR 8071

Phase	Ingredient	% by wt.
A	Aqua	43.60
	Glycerin	2.00
	Propandiol	3.00
	Phenoxyethanol (and) Ethylhexylglycerin ¹	1.00
	Dipotassium Glycyrrhizate	0.20
	Coffein	0.50
	Niacinamide	1.00
	Sodium Stearoyl Lactylate ²	0.50
B	Sodium Hyaluronate	0.05
	Sodium Acryloyldimethyltaurate/VP Copolymer	0.60
	Xanthan Gum	0.20

Raw materials: ¹Euxyl® PE 9010, Schuelke & Mayr. ²Dermofeel® SL, Straetmans. ³Montanov™ 202, Seppic. ⁴Soft-Tex® White Titanium Dioxide C47-7756, Sun Chemical. ⁵Soft-Tex® Brown Iron Oxide C33-7715, Sun Chemical. ⁶Soft-Tex® Yellow Iron Oxide C33-7773, Sun Chemical. ⁷LexFeel® D5, Inolex. ⁸HerbEx™ Korean Ginseng, BioSpectrum. ⁹Vivillum™, Lonza. ¹⁰Aquaxyl™, Seppic.

Processing: Prepare the water phase. Dissolve ingredients of phase A in deionized water (80 °C). Add Sodium Hyaluronate under intensively stirring, and then add ingredients of phase B and stir intensively until everything is fully dispersed. The water phase is heated to 80 – 85 °C under stirring. In a separate vessel, the oil phase C is weighted and mixed while heating to 85 °C until the UV-Filters are dissolved and the pigments are fully dispersed.

Phase	Ingredient	% by wt.
C	Arachidyl Alcohol (and) Behenyl Alcohol (and) Arachidyl Glucoside ³	2.50
	Glyceryl Stearate	1.00
	Ethylhexyl Methoxycinnamate	3.00
	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	2.00
	Diethylamino Hydroxybenzoyl Hexyl Benzoate	2.00
	Ethylhexyl Triazone	3.00
	Iron Oxide ⁴	3.00
	Iron Oxide ⁵	0.35
	Iron Oxide ⁶	0.35
	Dicaprylyl Carbonate	5.00
	Neopentyl Glycol Diheptanoate (and) Isododecane ⁷	5.50
D	Tocopheryl Acetate	0.50
	Cyclopentasiloxane (and) Dimethiconol	3.00
	Butylene Glycol (and) Aqua (and) Panax Ginseng Root Extract ⁸	2.00
	Panthenol	0.50
	Aqua (and) Sterilitza Nicolai Seed Ari Extract ⁹	2.00
E	Xylitylglucoside (and) Anhydroxylitol (and) Xylitol ¹⁰	2.00
	Baycusan® C 1000	5.00
	Baycusan® C 1005	3.00
	Fragrance	0.50
		100.00

Processing: When the phases are uniform, the oil phase is added to the water phase under continuous mixing. The emulsion is homogenized at 80 °C – 85 °C for 15 minutes. Cool batch under stirring to 35 °C. Add in succession all ingredients of phase D. Baycusan® C 1000 is slowly added and mixed. Then sprinkle Baycusan® C 1005 under stirring. Finally parfum is added. The tinted emulsion is cooled to 25 °C. Check pH. If necessary, adjust pH to 6,0 – 6,58. Check pH. If necessary, adjust pH to 6,0 – 6,5.

Additional info: Paraben free. In vivo SPF (International test method on 5 volunteers) = 22.6. In vitro UVA SPF (Colipa test method. 2011) = 7.7.