

**Schill+Seilacher**

**struktol®**

FORMULATION GUIDE

# PERSONAL CARE

TAILORMADE SOLUTIONS



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## CREAMY FOAM EXPERIENCE FOR PUMP DISPENSER

Part	INCI/ Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		73.90
	Glycerin		5.00
<b>B</b>	Xanthan Gum		0.10
	Coco Glucoside, 51 – 53%		3.00
<b>C</b>	Sodium Cocoyl Sarcosinate, 30%	PERLASTAN C-30 (Schill+Seilacher GmbH)	5.00
	Sodium Laureth Sulfate, 28%		13.00
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Fragrances	White Tea & Lotus (Symrise)	qs
	Preservatives etc.		qs

### MANUFACTURING PROCEDURE

- Heat Part **A** up to 70°C
- Maintain temperature and add Part **B** while stirring
- Mix until preparation appears homogeneous
- Cool down to room temperature while stirring
- Add Part **C** in listed order
- Adjust pH-value with Part **D**
- Add Part **E**

### PROPERTY

Appearance: colourless, clear liquid  
 Water content: 84 – 88%  
 pH-value: 5.5  
 Viscosity: 180 – 220 mPa\*s  
 (Brookfield, Sp.3, 0.5 rpm, RT)

## CLEAR FACIAL CLEANSING GEL

Part	INCI/ Ingredient	Trade Name	% w/w
	Aqua		24.80
<b>A</b>	Disodium Cocoyl Glutamate, 35%	PERLASTAN SCG 35 (Schill+Seilacher GmbH)	26.70
	Sodium Laureth Sulfate, 28%		32.75
<b>B</b>	Cocamidopropyl Betaine, 38%		13.75
<b>C</b>	Sodium Chloride		2.00 – 3.00
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Preservatives, Fragrances etc.		qs

### MANUFACTURING PROCEDURE

- Mix Part **A** in listed order
- Add Part **B** to Part **A** and mix until formulation appears homogeneous at room temperature
- Adjust viscosity by adding Part **C**.  
 Mix until formulation is clear  
**a)\*** 2.00% Part C: 1000 – 2500 mPa\*s  
**b)\*** 3.00% Part C: 2500 – 3500 mPa\*s
- Adjust pH-value with Part **D**
- Add Part **E**

### PROPERTY

Appearance: colourless, clear gel  
 Water content: 73 – 74%  
 pH-value: 5.5  
 \* Viscosity: 1000 – 3500 mPa\*s  
 (Brookfield, Sp.5, 5 rpm, RT)

## FACIAL SCRUB “BLUE NATURE”

Part	INCI/ Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		61.75
<b>B</b>	Cellulose Gum (and) Carrageenan (and) Ceratonia Siliqua Gum (and) Sucrose	Sucraclear HC-31 (ALFA Chemicals Ltd.)	1.75
	Sodium Cocoyl Glutamate/Disodium Cocoyl Glutamate, 25%	PERLASTAN SC 25 NKW (Schill+Seilacher GmbH)	24.00
<b>C</b>	Sodium Lauroyl Sarcosinate, 30%	PERLASTAN L-30 (Schill+Seilacher GmbH)	6.00
	Glycerin		5.00
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Oryza Sativa (Rice) Bran Wax, Blue	NatureBlue 20 RS (Micro Powders, Inc.)	1.50
<b>F</b>	Preservatives, Fragrances etc.		qs

### MANUFACTURING PROCEDURE

- Heat Part **A** up to 70°C
- Maintain temperature and add Part **B** while stirring
- Mix until preparation appears homogeneous
- Cool down to room temperature while stirring
- Add Part **C** in listed order
- Adjust pH-value with Part **D**
- Add Part **E** and homogenize by stirring
- Add Part **F**

### PROPERTY

Appearance: clear gel with floating particles  
pH-value: 5.5

### CLAIMS

<b>SUCRACLEAR HC-31</b>	ECOCERT thickening agent
<b>PERLASTAN SC 25 NKW</b>	Mild surfactant with COSMOS, ECOCERT, NATRUE, ECO-Label and Nordic Swan
<b>PERLASTAN L-30</b>	Mild surfactant with high foaming ability
<b>NATUREBLUE 20 RS</b>	Naturally derived blue exfoliating agent

## ECOCERT MICELLAR WATER

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Rosa Damascena Flower Water		97.70
	Glycerin		0.20
<b>B</b>	Sodium Cocoyl Glutamate / Disodium Cocoyl Glutamate, 25%	PERLASTAN SC 25 NKW (Schill+Seilacher GmbH)	2.00
	Sodium Hyaluronate	Renovhyal (Givaudan SA)	0.10
<b>C</b>	Citric Acid		qs to pH
<b>D</b>	Preservatives, Fragrances etc.		qs

### MANUFACTURING PROCEDURE

- Mix Part **A**
- Add Part **B** in listed order and mix until formulation appears homogeneous
- Adjust pH-value with Part **C**
- Add Part **D**

### PROPERTY

Appearance: colourless, clear liquid  
pH-value: 5.5

### CLAIMS

<b>PERLASTAN SC 25 NKW</b>	Mild surfactant with COSMOS, ECOCERT, NATRUE, ECO-Label and Nordic Swan
<b>RENOVHYAL</b>	COSMOS, ECOCERT polysaccharide for conditioning, moisture and tissue repair
<b>ROSA DAMASCENA FLOWER WATER</b>	Skin protecting emollient
<b>GLYCERIN</b>	Skin moisturising agent

## FOAMING SHAVE GEL

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		43.50
	Acrylates Copolymer, 30%		10.00
	Polysorbate 20		1.00
	Glycerin		0.50
<b>B</b>	Sodium Lauroyl Sarcosinate, 30%	PERLASTAN L-30 (Schill+Seilacher GmbH)	30.00
	Lauryl Glucoside, 50 – 53%		10.00
	Cocamidopropyl Betaine, 38%		5.00
<b>C</b>	Citric Acid		qs to pH
<b>D</b>	Preservatives, Fragrances etc.		qs

## MANUFACTURING PROCEDURE

- Mix Part **A** in listed order until preparation appears homogeneous
- Add Part **B** in listed order
- Mix until formulation appears homogeneous
- Adjust pH-value with Part **C**
- Add Part **D**

## PROPERTY

Appearance: white gel  
pH-value: 5.5



## LIQUID HAND SOAP “ODOUR NEUTRALIZER”

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		74.00
<b>B</b>	Xanthan Gum		1.00
<b>C</b>	Sodium Lauroyl Sarcosinate, 30%	PERLASTAN L-30 (Schill+Seilacher GmbH)	5.00
	Sodium Laureth Sulfate, 28%		15.00
	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	2.00
	GLDA, 47%		1.00
	Glycerin		2.00
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Preservatives, Fragrances etc.		qs

## MANUFACTURING PROCEDURE

- Heat Part **A** up to 70°C
- Maintain temperature and add Part **B** while stirring
- Mix until preparation appears homogeneous
- Cool down to room temperature while stirring
- Add Part **C** in listed order
- Adjust pH-value with Part **D**
- Add Part **E**

## PROPERTY

Appearance: clear gel  
pH-value: 5.5

## CLAIMS

**PERLASTAN L-30**

Mild surfactant with high foaming ability

**POLYFIX ZRC 25 GP**

COSMOS odour absorber concentrate

## ULTRA LIGHT, SILKY TOUCH BODY LOTION

Part	INCI/Ingredient	Trade Name	% w/w
	Aqua		78.50
<b>A</b>	Sodium Cocoyl Glutamate/Disodium Cocoyl Glutamate, 25%	PERLASTAN SC 25 NKW (Schill+Seilacher GmbH)	2.00
	Glycerin		2.00
<b>B</b>	Carbomer		0.50
	Dicaprylyl Carbonate		4.50
	Macadamia Ternifolia Seed Oil		4.00
<b>C</b>	Squalane		3.00
	Glyceryl Oleate, 40%		3.00
	Potassium Cetyl Phosphate, Oryza Satira Bran Cera	Pair2Phase2 (Schill+Seilacher GmbH)	2.50
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Preservatives, Fragrances etc.		qs

## MANUFACTURING PROCEDURE

- Heat Part **A** up to 75°C
- Add Part **B** to Part **A** and mix until formulation appears homogeneous
- Mix Part **C** in a separate vessel and heat up to 75°C
- Add Part **C** while stirring and homogenize under high shear
- Cool down to room temperature while stirring
- Adjust pH-value with Part **D**
- Add Part **E**

## PROPERTY

Appearance: white cream  
pH-value: 5.5

**SUN CREAM** NEW

Part	INCI/Ingredient	Trade Name	% w/w
	Aqua		62.80
<b>A</b>	Glycerin		2.00
	Propylene Glycol		4.00
	Potassium Cetyl Phosphate (and) Behenyl Alcohol	Pair2Phase1 (Schill+Seilacher GmbH)	5.00
	Simmondsia Chinensis (Jojoba) Seed Oil		4.00
	Butyrospermum Parkii (Shea) Butter		4.00
<b>B</b>	Octocrylene		10.00
	Ethylhexyl Salicylate		4.00
	Butyl Methoxydibenzoylmethane		2.50
	Benzophenone-3		1.50
	Bisabolol		0.20
<b>C</b>	Citric Acid		qs to pH
<b>D</b>	Preservatives, Fragrances etc.		qs

**MANUFACTURING PROCEDURE**

- Heat Part **A** up to 75°C
- Heat Part **B** up to 75°C
- Add Part **B** to Part **A** and mix until formulation appears homogeneous
- Cool down to room temperature while stirring
- Adjust pH-value with Part **C**
- Add Part **D**

**PROPERTY**

Appearance: white cream  
pH-value: 5.5

**SUNSCREEN WITH MINERAL UV-FILTERS** NEW

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		55.00
	Glycerin		5.00
<b>B</b>	Potassium Cetyl Phosphate (and) Oryza Sativa Bran Cera	Pair2Phase2 (Schill+Seilacher GmbH)	5.00
	Capryl/Capric Triglyceride		25.00
	Zinc Oxide (and) Jojoba Esters		5.00
<b>C</b>	Titanium Dioxide (and) Hydrated Silica (and) Jojoba Esters		5.00
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Preservatives, Fragrances etc.		qs

**MANUFACTURING PROCEDURE**

- Heat Part **A** up to 75 – 80°C
- Heat Part **B** up to 75 – 80°C
- Add Part **B** to Part **A** and mix until formulation appears homogeneous
- Cool down to room temperature while stirring
- Add Part **C**
- Adjust pH-value with Part **D**
- Add Part **E**

**CLAIMS****Pair2Phase2**

COSMOS and NATRUE certified emulsifier that allows the formulation of water resistant sun care products with soothing skin feel without stickiness.

**PROPERTY**

Appearance: white cream  
pH-value: 5.5



## BABY BUBBLE BATH

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		44.30
<b>B</b>	Xanthan Gum		0.70
	Cocamidopropyl Betaine, 38%		15.00
	Chamomilla Recutita Extract		2.00
<b>C</b>	Disodium Cocoyl Glutamate, 38%	PERLASTAN SCG 38 CE (Schill+Seilacher GmbH)	23.00
	Sodium Lauroyl Sarcosinate, 30%	PERLASTAN L-30 (Schill+Seilacher GmbH)	15.00
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Preservatives, Fragrances etc.		qs

## MANUFACTURING PROCEDURE

- Heat Part **A** up to 70°C
- Add Part **B** while stirring
- Maintain temperature and add Part **C** in listed order
- Cool down to room temperature while stirring
- Adjust pH-value with Part **D**
- Add Part **E**

## PROPERTY

Appearance: light yellowish, clear, viscous liquid  
pH-value: 5.5



## NATURAL BABY CLEANSING GEL

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		52.00
	Lauryl Glucoside, 50 – 53%		25.00
	Disodium Cocoyl Glutamate, 50%	PERLASTAN SCG 50 ZPF (Schill+Seilacher GmbH)	7.50
<b>B</b>	Cocamidopropyl Betaine, 38%		10.00
	Panthenol, 75%		2.50
	Chamomilla Recutita Extract		2.50
<b>C</b>	Hydrolyzed Wheat Protein	Hydrolyzed Wheat Protein (Givaudan SA)	0.50
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Preservatives, Fragrances etc.		qs

## MANUFACTURING PROCEDURE

- Mix Part **A** in listed order
- Add Part **B** to Part **A** and mix until formulation appears homogeneous
- Add Part **C** while stirring and homogenize
- Adjust pH-value with Part **D**
- Add Part **E**

## PROPERTY

Appearance: light yellowish, clear gel  
pH-value: 5.5  
Viscosity: 2000 – 3000 mPa\*s  
(Brookfield, Sp. 5.5 rpm, RT)

## CLAIMS

**PERLASTAN SCG 50 ZPF** Mild surfactant with COSMOS, ECOCERT, NATRUE, ECO-Label, Nordic Swan

**PANTHENOL** Emollient with regenerative and metabolic effects

**CHAMOMILLA RECUTITA EXTRACT** Anti-inflammatory and soothing agent

**HYDROLYZED WHEAT PROTEIN** Provides balanced skin moisture, gives soft & silky touch



## ALL GREEN THICKENED SHAMPOO

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		49.50
	Lauryl Glucoside, Disodium Cocoyl Glutamate, 42%	Rheo2Green1 (Schill+Seilacher GmbH)	45.00*
	Panthenol, 75%		2.50
<b>B</b>	Chamomilla Recutita Extract		2.50
	Hydrolyzed Wheat Protein		0.50
<b>C</b>	Lactic Acid		qs to pH
<b>D</b>	Preservatives*, Fragrances etc.		qs

\*Preservative might be based on Potassium Sorbate and Sodium Benzoate.

### MANUFACTURING PROCEDURE

- Mix Part **A**
- Add Part **B** to Part **A** in listed order and mix until formulation appears homogeneous
- Adjust pH-value with Part **C**
- Add Part **D**

### PROPERTY

Appearance: light yellowish, clear gel

pH-value: 4.8 – 5.0

Viscosity:

**a)\*** 45.00% Part A: 4200 – 4500 mPa\*s

**b)\*** 37.50% Part A: 1650 – 2900 mPa\*s  
(Brookfield, Sp.5, 5 rpm, RT)

### CLAIMS

#### Rheo2Green1

Mild surfactant system with COSMOS, ECOCERT, NATRUE, ECO-Label and Nordic Swan

#### PANTHENOL

Emollient with regenerative and metabolic effects

#### CHAMOMILLA RECUTITA EXTRACT

Anti-inflammatory and soothing agent

#### HYDROLYZED WHEAT PROTEIN

Provides balanced skin moisture, gives soft & silky touch

## 2 IN 1 CONDITIONER SHAMPOO

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		60.50
	Coco Glucoside, 51 – 53%		10.00
<b>A</b>	Sodium Lauroyl Glutamate, 38%	PERLASTAN SLG 38 (Schill+Seilacher GmbH)	17.50
	Amodimethicone, Cetrimonium Chloride, Trideceth-12	SIL-O-SAN 8651 C (Schill+Seilacher GmbH)	2.00
<b>B</b>	Acrylates Copolymer, 30%		10.00
<b>C</b>	Sodium Hydroxide		qs to pH
<b>D</b>	Preservatives, Fragrances etc.		qs

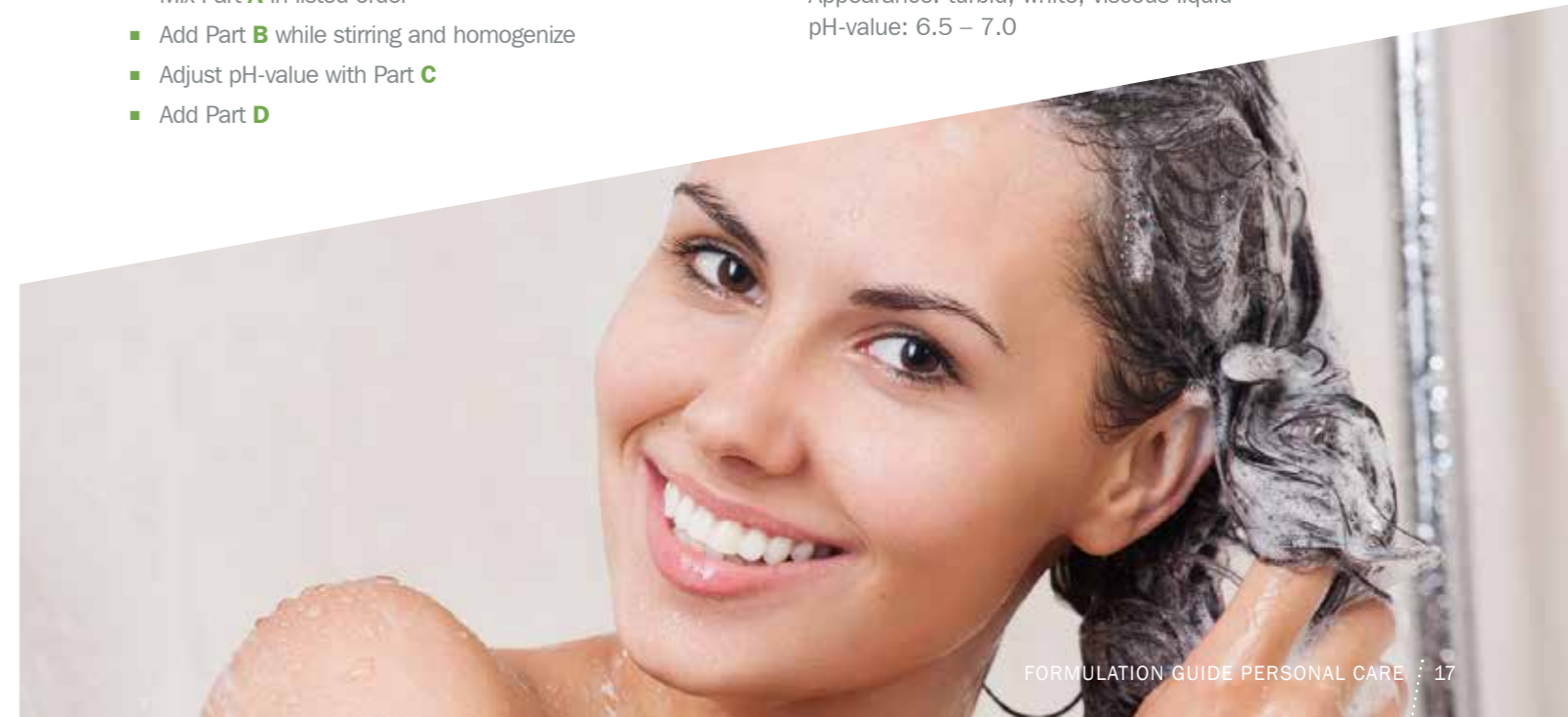
### MANUFACTURING PROCEDURE

- Mix Part **A** in listed order
- Add Part **B** while stirring and homogenize
- Adjust pH-value with Part **C**
- Add Part **D**

### PROPERTY

Appearance: turbid, white, viscous liquid

pH-value: 6.5 – 7.0



## REPAIR &amp; GLOSSY HAIR SHAMPOO

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		62.40
<b>B</b>	Xanthan Gum		1.00
	Coco Glucoside, 51 – 53 %		10.00
	Disodium Cocoyl Glutamate, 38%	PERLASTAN SCG 38 CE (Schill+Seilacher GmbH)	17.50
	Glycerin		5.00
<b>C</b>	Glyceryl Oleate, 40 %		0.60
	Lactic Acid (and) Citric Acid (and) Malic Acid (and) Water (and) Saccharum Officinarum (sugar cane) Extract (and) Citrus Limon (lemon) Peel Extract	Glossyliance (Givaudan SA)	3.00
	Plukenetia Volubilis Seed Oil	Trichomega (Cobiosa)	0.50
<b>D</b>	Sodium Hydroxide		qs to pH
<b>E</b>	Preservatives, Fragrances etc.		qs

## MANUFACTURING PROCEDURE

- Heat Part **A** up to 70°C
- Maintain temperature and add Part **B** while stirring
- Mix until preparation appears homogeneous
- Cool down to room temperature while stirring
- Add Part **C** in listed order
- Adjust pH-value with Part **D** while stirring
- Add Part **E**

## PROPERTY

Appearance: turbid, viscous liquid  
pH-value: 5.5

## CLAIMS

<b>PERLASTAN SCG 38 CE</b>	Mild surfactant with COSMOS, ECOCERT, NATRUE, ECO-Label and Nordic Swan
<b>GLOSSYLIANCE</b>	Ingredient for 'ultimate' hair shine
<b>TRICHOMEGA</b>	Ingredient for split ends and broken hairs

## HAIR FRESHENER “SOOTHING POLYFIX”

Part	INCI/Ingredient	Trade Name	% w/w
	Aqua		52.00
	Alcohol		40.00
<b>A</b>	Panthenol, 75%		2.00
	Propylene Glycol		2.00
	Sodium Bicarbonate		1.0
<b>B</b>	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	3.00
<b>C</b>	Citric Acid		qs to pH
<b>D</b>	Preservatives, Fragrances etc.		qs

## MANUFACTURING PROCEDURE

- Mix Part **A** in listed order
- Add Part **B** while stirring and homogenize
- Adjust pH-value with Part **C**
- Add Part **D**

## PROPERTY

Appearance: clear liquid  
pH-value: 8.0 – 8.5

## CLAIMS

<b>POLYFIX ZRC 25 GP</b>	COSMOS odour absorber concentrate
<b>PANTHENOL</b>	Emollient with regenerative and metabolic effects
<b>PROPYLENE GLYCOL</b>	Emollient for good skin condition

## TOOTHPASTE “FRESH BREATH”

Part	INCI/Ingredient	Trade Name	% w/w
	Aqua		52.95
<b>A</b>	Glycerin		7.50
	Sorbitol		14.20
<b>B</b>	Carboxymethyl Cellulose		0.45
	GLDA, 47 %		0.10
	Sodium Saccharin		0.50
<b>C</b>	Sodium Lauroyl Sarcosinate, 30 %	PERLASTAN L-30 (Schill+Seilacher GmbH)	1.50
	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	1.00
<b>D</b>	Aqua		4.80
	Titanium Dioxide		1.00
<b>E</b>	Hydrated Silica, abrasive		5.50
	Hydrated Silica, thickener		10.50
<b>F</b>	Citric Acid		qs to pH
<b>G</b>	Fragrances	Dentaron EU (Düllberg Konzentra GmbH & Co. KG)	qs
	Preservatives etc		qs

## MANUFACTURING PROCEDURE

- Mix Part **A** in listed order and heat up to 70°C
- Maintain temperature and add Part **B** while stirring
- Mix until preparation appears homogeneous
- Cool down to room temperature while stirring
- Add Part **C** in listed order
- Mix Part **D** until homogeneous and add while stirring
- Add Part **E**
- Adjust pH-value with Part **F**
- Add Part **G**

## PROPERTY

Appearance: white cream  
pH-value: 6.8 – 7.3

## MOUTH WASH “MINTY POLYFIX” – ALCOHOL FREE\*

Part	INCI/Ingredient	Trade Name	% w/w
	Aqua		87.50
	Menthol		0.08
	Sodium Bicarbonate		1.00
<b>A</b>	Potassium Sorbate		0.20
	Sodium Benzoate		0.20
	Sodium Saccharin		0.02
	Sorbitol		10.00
<b>B</b>	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	0.50
	Sodium Lauroyl Sarcosinate, 30 %	PERLASTAN L-30 (Schill+Seilacher GmbH)	0.50
<b>C</b>	Citric Acid		qs to pH
<b>D</b>	Fragrances etc.		qs

\*An alcohol-based alternative can be formulated by addition of 10% Ethanol in Part A.

## MANUFACTURING PROCEDURE

- Mix Part **A** in listed order
- Add Part **B** while stirring and homogenize
- Adjust pH-value with Part **C**
- Add Part **D**

## PROPERTY

Appearance: clear liquid  
pH-value: 6.5

## DEO ROLL-ON “FAST DRYING”

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		69.80
	Sodium Bicarbonate		1.00
<b>B</b>	Xanthan Gum		0.40
<b>C</b>	Alcohol		20.00
	Propylene Glycol		1.00
	Ethylhexylglycerin		0.30
<b>D</b>	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	5.00
	Triethyl Citrate		2.50
<b>E</b>	Citric Acid		qs to pH

## MANUFACTURING PROCEDURE

- Heat Part **A** up to 70°C
- Maintain temperature and add Part **B** while stirring
- Mix until preparation appears homogeneous
- Cool down to room temperature while stirring
- Add Part **C**
- Add Part **D** in listed order
- Adjust pH-value with Part **E**

## PROPERTY

Appearance: colourless, clear, viscous liquid  
pH-value: 7.8 – 8.3

## CLAIMS

**ETHYLHEXYLGLYCERIN** Mild preservative

**POLYFIX ZRC 25 GP** COSMOS odour absorber concentrate

**TRIETHYL CITRATE** Enzyme blocker

## DEO ROLL-ON “PERFECT POLYFIX”

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		90.70
<b>B</b>	Cellulose Gum (and) Carrageenan (and) Ceratonia Siliqua Gum (and) Sucrose	Sucraclear HC-31 (ALFA Chemicals Ltd.)	1.00
	Propanediol		1.00
<b>C</b>	Lactococcus Lactis Lysate (and) Aqua (and) Propanediol	Probiophyte Fresh (Greentech GmbH)	2.00
	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	5.00
<b>D</b>	Fragrances	Perfect Day (Aromatic Flavours & Fragrances)	0.30
	Citric Acid		qs to pH

## MANUFACTURING PROCEDURE

- Heat Part **A** up to 70°C
- Maintain temperature and add Part **B** while stirring
- Mix until preparation appears homogeneous
- Cool down to room temperature while stirring
- Add Part **C** in listed order
- Adjust pH-value with Part **D**

## PROPERTY

Appearance: light yellowish, clear, viscous liquid  
pH-value: 7.8 – 8.3

## CLAIMS

**SUCRACLEAR HC-31** COSMOS thickening agent

**PROPANEDIOL** COSMOS moisturizing agent

**PROBIOPHYTE FRESH** Strong anti-odour agent, targets specific bacteria responsible for axillary odour while maintaining skin microbiome homeostasis

**POLYFIX ZRC 25 GP** COSMOS odour absorber concentrate

## DEODORANT STICK “ORANGE POLYFIX”

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Propanediol		54.00
	Glycerin		20.50
	Aqua		3.05
<b>B</b>	Sodium Hydroxide, 10%		9.40
	Stearic Acid		3.15
	Palmitic Acid		3.15
<b>C</b>	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	5.00
	Ethylhexylglycerin		0.75
	Bambusa Arundinacea	Greensil (Greentech GmbH)	1.00
<b>D</b>	Fragrances	Peau D'Ange (Symrise)	qs

## MANUFACTURING PROCEDURE

- Heat Part **A** up to 90 – 95°C
- Add Part **B** while stirring
- Maintain temperature and add Part **C** in listed order
- Add Part **D** and mix until preparation appears homogeneous
- Fill the preparation into deo stick tubes at 90 – 95°C

## PROPERTY

Appearance: light yellowish, creamy wax  
pH-value: 8.0 – 9.5

## DEODORANT PUMP SPRAY

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		55.50
	Alcohol		32.00
	Propylene Glycol		4.00
	Polysorbat 20		6.00
	Panthenol		0.50
<b>B</b>	Zinc Ricinoleate, Laureth-3, Tetrahydroxypropyl Ethylenediamine, Propylene Glycol	POLYFIX ZRC 50 TB (Schill+Seilacher GmbH)	2.00
	Citric Acid		qs to pH

## MANUFACTURING PROCEDURE

- Mix Part **A** in listed order
- Adjust pH-value with Part **B**

## PROPERTY

Appearance: colourless, clear liquid  
pH-value: 5.5



**ANTIPERSPIRANT SPRAY**

Part	INCI/Ingredient	Trade Name	% w/w
	Alcohol		40.70
	Laureth-3		3.00
<b>A</b>	Tetrahydroxypropyl Ethylenediamine		0.30
	Zinc Ricinoleate, Laureth-3, Tetrahydroxypropyl Ethylenediamine, Propylene Glycol	POLYFIX ZRC 50 TB (Schill+Seilacher GmbH)	1.50
	Aqua		40.50
<b>B</b>	Aluminium Chlorohydrate		12.00
	Propylene Glycol		2.00
<b>C</b>	Lactic Acid		qs to pH

**MANUFACTURING PROCEDURE**

- Mix Part **A** in listed order
- Mix Part **B** in listed order
- Add Part **B** to Part **A** while stirring
- Adjust pH-value with Part **C**

**PROPERTY**

Appearance: colourless, clear liquid  
pH-value: 4.0 – 4.5

**DEODORANT FOOT GEL “COOL POLYFIX”**

Part	INCI/Ingredient	Trade Name	% w/w
	Aqua		50.90
<b>A</b>	Propylene Glycol		2.00
	Menthol		0.50
<b>B</b>	Carboxymethyl Cellulose		1.50
	Alcohol		32.75
	Zinc Ricinoleate, Laureth-3, Tetrahydroxypropyl Ethylenediamine, Propylene Glycol	POLYFIX ZRC 50 TB (Schill+Seilacher GmbH)	2.20
<b>C</b>	Laureth-3		4.40
	Panthenol, 75%		2.00
	Tetrahydroxypropyl Ethylenediamine		3.75
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Preservatives, Fragrances etc.		qs

**MANUFACTURING PROCEDURE**

- Heat Part **A** up to 70°C
- Maintain temperature and add Part **B** while stirring
- Mix until preparation appears homogeneous
- Cool down to room temperature
- Add Part **C** in listed order while stirring
- Adjust pH-value with Part **D**
- Add Part **E**

**PROPERTY**

Appearance: colourless, clear, viscous liquid  
pH-value: 8.0 – 9.0

## HAND SANITIZER “FRESH &amp; COOL”

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Alcohol		60.00
	Aqua		37.80
	Propanediol		1.00
<b>B</b>	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	0.60
	PEG-12 Dimethicone	SIL-O-SAN 8611C (Schill+Seilacher GmbH)	0.60
<b>C</b>	Citric Acid		qs to pH
<b>D</b>	Preservatives, Fragrances etc.		qs

## MANUFACTURING PROCEDURE

- Mix Part **A**
- Add Part **B** while stirring
- Adjust pH-value with Part **C**
- Add Part **D**

## PROPERTY

Appearance: colourless, clear liquid  
pH-value: 5.5

## WET WIPE SOLUTION

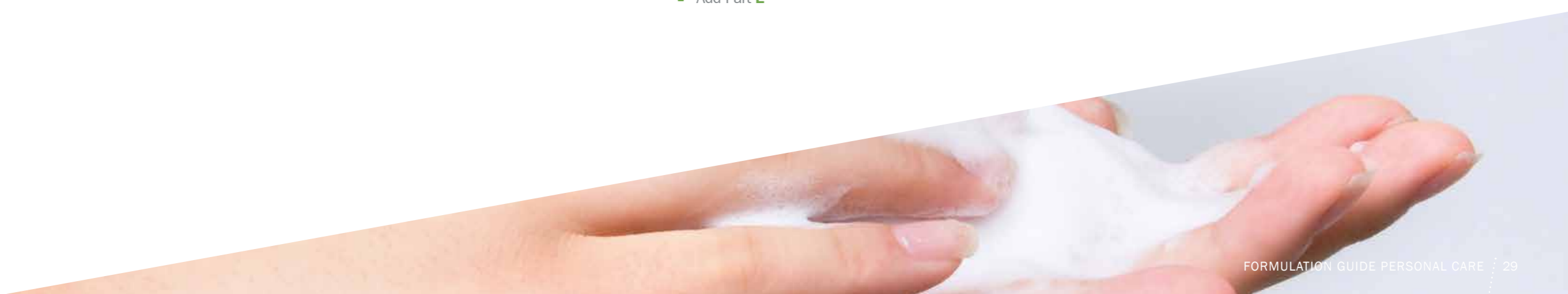
Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		93.25
	Propylene Glycol		1.00
<b>B</b>	Xanthan Gum		0.25
	Sodium Lauroyl Sarcosinate, 30%	PERLASTAN L-30 (Schill+Seilacher GmbH)	2.00
<b>C</b>	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	1.00
	Cocamidopropyl Betaine, 38%		2.00
	GLDA, 47%		0.50
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Fragrances		qs

## MANUFACTURING PROCEDURE

- Heat Part **A** up to 70°C
- Add Part **B** while stirring
- Maintain temperature and add Part **C** in listed order
- Adjust pH-value with Part **D**
- Add Part **E**

## PROPERTY

Appearance: clear, colourless liquid  
pH-value: 6.0 – 7.0



## INTIMATE WASH GEL

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		62.85
	GLDA, 47%		0.05
	Allantoin		0.10
<b>B</b>	Lauryl Glucoside, Disodium Cocoyl Glutamate, 42%	Rheo2Green1 (Schill+Seilacher GmbH)	30.00
	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	2.00
	Panthenol, 75%		1.00
	Aloe Barbadensis Miller		1.00
<b>C</b>	Lauryl Glucoside, Stearyl Citrate		3.00
	Lactic Acid		qs to pH
<b>D</b>	Preservatives, Fragrances etc.		qs

## MANUFACTURING PROCEDURE

- Mix Part **A** in listed order
- Mix Part **B** in listed order
- Add Part **B** to Part **A** while stirring
- Adjust pH-value with Part **C**
- Add Part **D**

## PROPERTY

Appearance: pearl white gel  
 pH-value: 4.9 – 5.2  
 Viscosity at pH 5.2: 1300 – 1500 mPa\*s  
 (Brookfield, Sp.5, 5 rpm, RT)

## DEPILATORY CREAM

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		46.20
	Glycerin		2.00
	GLDA, 47%		0.50
	PEG-40 Hydrogenated Castor Oil		1.20
	Urea		4.40
<b>B</b>	Sodium Lauroyl Glutamate	PERLASTAN SL (Schill+Seilacher GmbH)	2.00
	Cetearyl Alcohol		17.00
<b>C</b>	Cetyl Alcohol		3.00
	Aqua		10.00
	Potassium Hydroxide, 50%		5.00
	Calcium Thioglycolate		5.50
	Zinc Ricinoleate, Laureth-3, Tetrahydroxypropyl Ethylenediamine, Propylene Glycol	POLYFIX ZRC 50 TB (Schill+Seilacher GmbH)	3.00
	Ethylhexylglycerin		0.20

## MANUFACTURING PROCEDURE

- Heat Part **A** up to 80°C
- Heat Part **B** up to 80°C
- Add Part **B** to Part **A** while stirring and maintain temperature
- Cool down to 40°C and add Part **C** in listed order
- Mix until formulation is homogeneous

## PROPERTY

Appearance: white cream  
 pH-value: 12.0

## CLAIMS

**PERLASTAN SL**

Mild surfactant with COSMOS, ECOCERT, NATRUE, ECO-Label and Nordic Swan

**POLYFIX ZRC 50 TB**

Odour Absorber



### DOG SHAMPOO – ODOUR NEUTRALIZER

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		65.50
<b>B</b>	Carboxymethyl Cellulose		2.00
<b>C</b>	Disodium Cocoyl Glutamate, 35%	PERLASTAN SCG 35 (Schill+Seilacher GmbH)	25.00
	Sodium Lauroyl Sarcosinate, 30%	PERLASTAN L-30 (Schill+Seilacher GmbH)	5.00
	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	2.00
	Aloe Barbadensis Miller		0.50
<b>D</b>	Citric Acid		qs to pH
<b>E</b>	Preservatives, Fragrances, etc.		qs

#### MANUFACTURING PROCEDURE

- Heat Part **A** up to 70°C
- Maintain temperature and add Part **B** while stirring
- Mix until preparation appears homogeneous
- Cool down to room temperature while stirring
- Add Part **C** in listed order
- Adjust pH-value with Part **D**
- Add Part **E**

#### PROPERTY

Appearance: colourless, viscous liquid  
pH-value: 6.5

#### CLAIMS

<b>PERLASTAN SCG 35</b>	Mild surfactant with rich fine-pored foam
<b>PERLASTAN L-30</b>	Mild surfactant with high foaming ability
<b>POLYFIX ZRC 25 GP</b>	COSMOS odour absorber concentrate
<b>ALOE BARBADENSIS MILLER</b>	Ingredient for skin care

### COMPATIBILITY OF Rheo2Green1 WITH TYPICAL RINSE-OFF INGREDIENTS

in terms of homogeneity and viscosity

Thickened Solution of 30% Rheo2Green1 (10% active) + ingredients	weight % (active)								
	0.1	0.2	0.5	1.0	2.0	5.0	10	20	
<b>SORBITOL</b>					++	++	+		viscosity improvement
<b>GLYCERIN</b>					++	+	●		
<b>GLYCERIN MONOOLEATE</b>		++	++	●	--				
<b>POTASSIUM SORBATE</b>			++	+	●				
<b>SODIUM BENZOATE</b>			++	+	●				
<b>BETAINE (natural)</b>				++	++	++			
<b>GLDA</b>			+	+	+				minor influence
<b>ETHYLHEXYLGLYCERIN</b>	+	+	+	●					
<b>PANTHENOL</b>				+	+	+	●		
<b>HYDROLYZED WHEAT PROTEIN</b>		+	+	-	--				viscosity drop and/or turbidity
<b>OLEIC ACID</b>				--	--	---			
<b>RICINOLEIC ACID</b>				--	--	---			
<b>ETHANOL</b>						-	--	---	
<b>XANTHAN GUM</b>	-	-	--						
<b>CARRAGEENAN GUM</b>	-	-	--						
<b>CARBOMER</b>	-	-	--						

# SCHILL+SEILACHER. AT A GLANCE.

## SPECIALITY CHEMICALS FOR:

### BOEBLINGEN

DIN EN ISO 9001:2015  
DIN EN ISO 14001:2015  
DIN EN ISO 50001:2011  
RSPO Certification Mass Balance

FIBRES  
TEXTILES  
LEATHER  
PAPER  
COSMETICS  
FINE CHEMICALS

### HAMBURG

DIN EN ISO 9001:2015  
DIN EN ISO 14001:2015  
DIN EN ISO 50001:2011

RUBBER ADDITIVES  
ANTIFOAMS  
EPOXY PREPOLYMERS  
AND FLAME RETARDANTS  
LATEX ADDITIVES  
SILICONES  
RELEASE AGENTS

### PIRNA

DIN EN ISO 9001:2015  
(Only for Boeblingen products)

SILICONES  
PU INDUSTRY  
PAPER  
TEXTILES  
COSMETICS  
FIBRES  
LEATHER

### STOW / OHIO VILLA RICA / GEORGIA

DIN EN ISO 9001:2008

RUBBER ADDITIVES  
PLASTIC ADDITIVES  
PVC ADDITIVES  
ENGINEERED  
THERMOPLASTIC ADDITIVES  
WOOD PLASTIC  
COMPOSITE ADDITIVES  
LEATHER CHEMICALS

## DISCLAIMER:

The mentioned attributes and application proposals are only non-binding application possibilities and application proposals for our products. Our advice and recommendations whether verbal, in writing or by way of tests do not excuse the customer from his or her own examination regarding the applicability for the intended procedures and purposes. The mentioned attributes and application proposals are no assurance for a certain further processing. Any assurances must be agreed upon explicitly and in writing between the customer and us.

We also advise you, that any further processing and the distribution of the further processed products is part of the customers sole scope of responsibilities as the producer of the new product.

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