

# PERSONAL CARE FORMULATION GUIDE





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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: 5.5
<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)



## ALL GREEN THICKENED SHAMPOO NEW

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>	Citric Acid		qs to pH: 4.8
<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

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

## CLEAR FACIAL CLEANSING GEL

Part	INCI/ Ingredient	Trade Name	% w/w
	Aqua		25.80
<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: 5.5
<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
<b>C</b>	Sodium Cocoyl Glutamate/Disodium Cocoyl Glutamate, 25%	PERLASTAN SC 25 NKW (Schill+Seilacher GmbH)	24.00
	Sodium Lauroyl Sarcosinate, 30%	PERLASTAN L-30 (Schill+Seilacher GmbH)	6.00
	Glycerin		5.00
<b>D</b>	Citric Acid		qs to pH: 5.5
<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**

### CLAIMS

#### SUCRACLEAR HC-31

ECOCERT thickening agent

#### PERLASTAN SC 25 NKW

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

#### PERLASTAN L-30

Mild surfactant with high foaming ability

#### NATUREBLUE 20 RS

Naturally derived blue peeling 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: 5.5
<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

#### PERLASTAN SC 25 NKW

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

#### RENOVHYAL

COSMOS, ECOCERT polysaccharide for conditioning, moisture and tissue repair

#### ROSA DAMASCENA FLOWER WATER

Skin protecting emollient

#### GLYCERIN

Skin moisturising agent



## FOAMING SHAVE GEL

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		43.50
	Acrylates Copolymer, 30%		10.00
	Polysorbat 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: 5.5
<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
	Sodium Lauroyl Sarcosinate, 30%	PERLASTAN L-30 (Schill+Seilacher GmbH)	5.00
	Sodium Laureth Sulfate, 28%		15.00
<b>C</b>	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: 5.5
<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

Eco-friendly 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		3.00
	Polyglyceryl-3 Diisostearate		2.50
<b>D</b>	Sodium Hydroxide		qs to pH: 5.5
<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
- Mix Part **C** in a separate vessel
- Add Part **C** while stirring and homogenize under high shear
- Adjust pH-value with Part **D**
- Add Part **E**

### 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: 5.5
<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		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: 5.5
<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

## 2 IN 1 CONDITIONER SHAMPOO

Part	INCI/Ingredient	Trade Name	% w/w
	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: 6.5 – 7.0
<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: 5.5
<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

**PERLASTAN SCG 38 CE**

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

**GLOSSYLIANCE**

Ingredient for 'ultimate' hair shine

**TRICHOMEGA**

Ingredient for split ends and broken hairs



HAIR FRESHENER “SOOTHING POLYFIX” <sup>NEW</sup>

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		53.00
	Alcohol		40.00
	Panthenol		2.00
	Propylene Glycol		2.00
<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: 7.0 – 8.0
<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: 7.0 – 8.0

## CLAIMS

**POLYFIX ZRC 25 GP**

Eco-friendly odour absorber concentrate

**PANTHENOL**

Emollient with regenerative and metabolic effects

**PROPYLENE GLYCOL**

Emollient for good skin condition

TOOTHPASTE “FRESH BREATH” **NEW**

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: 6.8 – 7.3
<b>G</b>	Preservatives, Fragrances 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\* **NEW**

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		88.50
	Menthol		0.08
	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: 6.5
<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		70.80
<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: 6.8 – 8.0

### 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: 6.8 – 8.0

### CLAIMS

#### ETHYLHEXYLGLYCERIN

Mild preservative

#### POLYFIX ZRC 25 GP

Eco-friendly 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
	Fragrances	Perfect Day (Aromatic Flavours & Fragrances)	0.30
<b>D</b>	Citric Acid		qs to pH: 7.8 – 8.3

### 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

Eco-friendly odour absorber concentrate

## DEODORANT STICK “ORANGE POLYFIX”

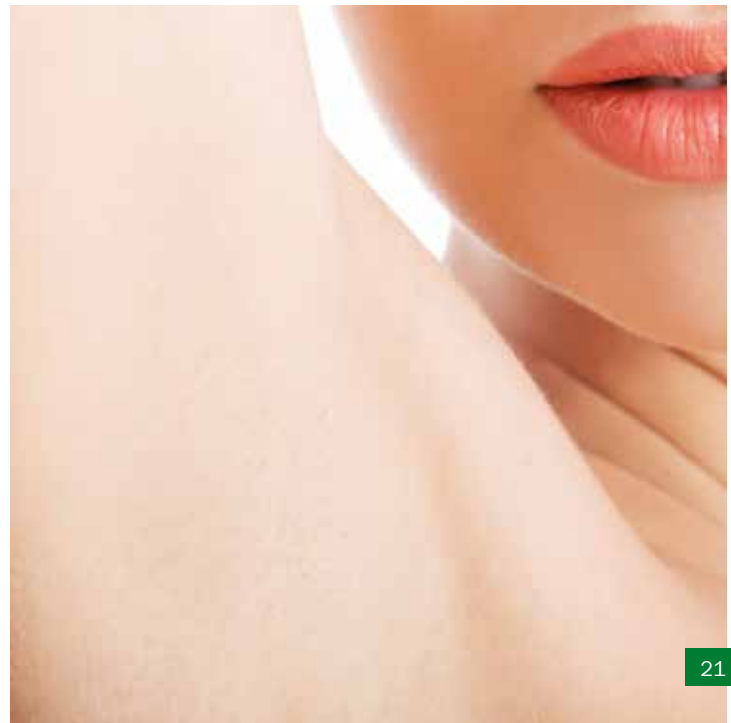
Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Propanediol		54.00
	Glycerin		20.50
	Aqua		3.05
<b>B</b>	Sodium Hydroxide, 10%		9.40
	Stearic Acid		3.15
	Palmitic Acid		3.15
<b>C</b>	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	5.00
	Ethylhexylglycerin		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** NEW

Part	INCI/Ingredient	Trade Name	% w/w
	Aqua		55.50
	Alcohol		32.00
	Propylene Glycol		4.00
<b>A</b>	Polysorbat 20		6.00
	Panthenol		0.50
	Zinc Ricinoleate, Laureth-3, Tetrahydroxypropyl Ethylenediamine, Propylene Glycol	POLYFIX ZRC 50 TB (Schill+Seilacher GmbH)	2.00
<b>B</b>	Citric Acid		qs to pH: 5.5

**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** NEW

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Alcohol		40.70
	Laureth-3		3.00
	Tetrahydroxypropyl Ethylenediamine		0.30
	Zinc Ricinoleate, Laureth-3, Tetrahydroxypropyl Ethylenediamine, Propylene Glycol	POLYFIX ZRC 50 TB (Schill+Seilacher GmbH)	1.50
<b>B</b>	Aqua		40.50
	Aluminium Chlorohydrate		12.00
	Propylene Glycol		2.00
<b>C</b>	Lactic Acid		qs to pH: 4.0 – 4.2

**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 – 4.2

DEODORANT FOOT GEL “COOL POLYFIX” **NEW**

Part	INCI/Ingredient	Trade Name	% w/w
<b>A</b>	Aqua		50.90
	Alcohol		32.35
<b>B</b>	Carboxymethyl Cellulose		1.50
<b>C</b>	Zinc Ricinoleate, Laureth-3, Tetrahydroxypropyl Ethylenediamine, Propylene Glycol	POLYFIX ZRC 50 TB (Schill+Seilacher GmbH)	2.20
	Laureth-3		4.40
	Propylene Glycol		2.00
	Menthol		0.50
	Panthenol		2.00
	Tetrahydroxypropyl Ethylenediamine		3.75
<b>D</b>	Citric Acid		qs to pH: 8.0 – 9.0
<b>E</b>	Preservatives, Fragrances, etc.		qs

**MANUFACTURING PROCEDURE**

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

**PROPERTY**

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

## HAND SANITIZER “FRESH & 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: 5.5
<b>D</b>	Preservatives, Fragrances etc.		qs



### MANUFACTURING PROCEDURE

- Mix Part **A** in listed order
- 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
<b>C</b>	Sodium Lauroyl Sarcosinate, 30%	PERLASTAN L-30 (Schill+Seilacher GmbH)	2.00
	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: 6.0 – 7.0
<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 **NEW**

Part	INCI/Ingredient	Trade Name	% w/w
	Aqua		65.85
<b>A</b>	GLDA, 47%		0.05
	Allantoin		0.10
	Lauryl Glucoside, Disodium Cocoyl Glutamate, 42%	RHEO2GREEN1 (Schill+Seilacher GmbH)	30.00
<b>B</b>	Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol	POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)	2.00
	Panthenol		1.00
	Aloe Barbadensis Miller		1.00
<b>C</b>	Lactic Acid		qs to pH: 4.9 – 5.2
<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: colourless, clear gel  
 pH-value: 4.9 – 5.2  
 Viscosity at pH 5.2: 1300 – 1500 mPa\*s  
 (Brookfield, Sp.5, 5 rpm, RT)

## DEPILATORY CREAM <sup>NEW</sup>

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
	Sodium Lauroyl Glutamate	PERLASTAN SL (Schill+Seilacher GmbH)	2.00
<b>B</b>	Cetearyl Alcohol		17.00
	Cetyl Alcohol		3.00
<b>C</b>	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		64.30
<b>B</b>	Xanthan Gum		1.20
<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: 6.5
<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, clear, viscous liquid  
pH-value: 6.5

### CLAIMS

#### PERLASTAN SCG 35

Mild surfactant with rich fine-pored foam

#### PERLASTAN L-30

Mild surfactant with high foaming ability

#### POLYFIX ZRC 25 GP

Eco-friendly odour absorber concentrate

#### ALOE BARBADENSIS MILLER

Ingredient for skin care



→ **BOEBLINGEN**  
SPECIALITY CHEMICALS FOR:

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**FIBRES**  
**TEXTILES**  
**LEATHER**  
**PAPER**  
**COSMETICS**  
**FINE CHEMICALS**

DIN EN ISO 9001:2015  
DIN EN ISO 14001:2015  
DIN EN ISO 50001:2011  
RSPO CERTIFICATION MASS BALANCE

→ **HAMBURG**  
SPECIALITY CHEMICALS FOR:

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

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

→ **PIRNA**  
SPECIALITY CHEMICALS FOR:

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**SILICONES**  
**PU INDUSTRY**  
**PAPER**  
**TEXTILES**  
**COSMETICS**  
**FIBRES**  
**LEATHER**

DIN EN ISO 9001:2015  
(ONLY FOR BOEBLINGEN PRODUCTS)

→ **HUDSON / OHIO / USA**  
PRODUCER OF:

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**NANOFIBRE MATRICES**

DIN EN ISO 9001:2015  
DIN EN ISO 13485:2003

→ **STOW / OHIO / USA**  
SPECIALITY CHEMICALS FOR:

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**PLASTICS**  
**WOOD COMPOSITES**  
**RUBBER**  
**LEATHER**

DIN EN ISO 9001:2008

[WWW.SCHILLSEILACHER.DE](http://WWW.SCHILLSEILACHER.DE)

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**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.**

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### **Any Questions?**

Our service team will be pleased to answer any questions and assist you with advice and information. We can also provide you with contact data of our local offices, distributors and agencies. Data sheets and samples of our products are available upon request.

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