PERSONAL CARE FORMULATION GUIDE
# SKIN CARE
- CREAMY FOAM EXPERIENCE FOR PUMP DISPENSER  
- ALL GREEN THICKENED SHAMPOO  
- CLEAR FACIAL CLEANSING GEL  
- FACIAL SCRUB “BLUE NATURE”  
- ECOCERT MICELLAR WATER  
- FOAMING SHAVE GEL  
- LIQUID HAND SOAP – “ODOUR NEUTRALIZER”  
- ULTRA LIGHT, SILKY TOUCH BODY LOTION

# BABY CARE
- BABY BUBBLE BATH  
- NATURAL BABY CLEANSING GEL

# HAIR CARE
- 2 IN 1 CONDITIONER SHAMPOO  
- REPAIR & GLOSSY HAIR SHAMPOO  
- HAIR FRESHENER “SOOTHING POLYFIX”

# ORAL CARE
- TOOTHPASTE “FRESH BREATH”  
- MOUTH WASH “MINTY POLYFIX” – ALCOHOL FREE

# PERSONAL HYGIENE
- DEO ROLL-ON “FAST DRYING”  
- DEO ROLL-ON “PERFECT POLYFIX”  
- DEODORANT STICK “ORANGE POLYFIX”  
- DEODORANT PUMP SPRAY  
- ANTIPERSPIRANT SPRAY  
- DEODORANT FOOT GEL “COOL POLYFIX”  
- HAND SANITIZER “FRESH & COOL”  
- WET WIPE SOLUTION  
- INTIMATE WASH GEL  
- DEPILATORY CREAM

# PET CARE
- DOG SHAMPOO – ODOUR NEUTRALIZER
CREAMY FOAM EXPERIENCE FOR PUMP DISPENSER

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

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

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td>RHEO2GREEN1 (Schill + Seilacher GmbH)</td>
<td>49.50</td>
</tr>
<tr>
<td></td>
<td>Lauryl Glucoside, Disodium Cocoyl Glutamate, 42%</td>
<td></td>
<td>45.00*</td>
</tr>
<tr>
<td></td>
<td>Panthenol, 75%</td>
<td></td>
<td>2.50</td>
</tr>
<tr>
<td>B</td>
<td>Chamomilla Recutita Extract</td>
<td></td>
<td>2.50</td>
</tr>
<tr>
<td></td>
<td>Hydrolyzed Wheat Protein</td>
<td></td>
<td>0.50</td>
</tr>
<tr>
<td>C</td>
<td>Citric Acid</td>
<td></td>
<td>qs to pH: 4.8</td>
</tr>
<tr>
<td>D</td>
<td>Preservatives*, Fragrances, etc.</td>
<td></td>
<td>qs</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/ Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>25.80</td>
</tr>
<tr>
<td></td>
<td>Disodium Cocoyl Glutamate, 35%</td>
<td>PERLASTAN SCG 35 (Schill + Seilacher GmbH)</td>
<td>26.70</td>
</tr>
<tr>
<td></td>
<td>Sodium Laureth Sulfate, 28%</td>
<td></td>
<td>32.75</td>
</tr>
<tr>
<td>B</td>
<td>Cocamidopropyl Betaine, 38%</td>
<td></td>
<td>13.75</td>
</tr>
<tr>
<td>C</td>
<td>Sodium Chloride</td>
<td></td>
<td>2.00 – 3.00</td>
</tr>
<tr>
<td>D</td>
<td>Citric Acid</td>
<td></td>
<td>qs to pH: 5.5</td>
</tr>
<tr>
<td>E</td>
<td>Preservatives, Fragrances etc.</td>
<td></td>
<td>qs</td>
</tr>
</tbody>
</table>

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”

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/ Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td>Sucracle HC-31 (ALFA Chemicals Ltd.)</td>
<td>61.75</td>
</tr>
<tr>
<td>B</td>
<td>Cellulose Gum (and) Carrageenan (and) Ceratonia Siliqua Gum (and) Sucrose</td>
<td>PERLASTAN SC 25 NKW (Schill + Seilacher GmbH)</td>
<td>1.75</td>
</tr>
<tr>
<td></td>
<td>Sodium Cocoyl Glutamate/Disodium Cocooyl Glutamate, 25%</td>
<td>PERLASTAN L-30 (Schill + Seilacher GmbH)</td>
<td>24.00</td>
</tr>
<tr>
<td></td>
<td>Sodium Lauroyl Sarcosinate, 30%</td>
<td>NatureBlue 20 RS (Micro Powders, Inc.)</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Glycerin</td>
<td></td>
<td>qs to pH: 5.5</td>
</tr>
<tr>
<td>D</td>
<td>Citric Acid</td>
<td></td>
<td>5.00</td>
</tr>
<tr>
<td>E</td>
<td>Oryza Sativa (Rice) Bran Wax, Blue</td>
<td></td>
<td>1.50</td>
</tr>
<tr>
<td>F</td>
<td>Preservatives, Fragrances etc.</td>
<td></td>
<td>qs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
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<tbody>
<tr>
<td>A</td>
<td>Rosa Damascena Flower Water</td>
<td></td>
<td>97.70</td>
</tr>
<tr>
<td></td>
<td>Glycerin</td>
<td></td>
<td>0.20</td>
</tr>
<tr>
<td>B</td>
<td>Sodium CocoYL Glutamate / Disodium CocoYL Glutamate, 25 %</td>
<td>PERLASTAN SC 25 NKW (Schill + Seilacher GmbH)</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Sodium Hyaluronate</td>
<td>Renovhyal (Givaudan SA)</td>
<td>0.10</td>
</tr>
<tr>
<td>C</td>
<td>Citric Acid</td>
<td></td>
<td>qs to pH: 5.5</td>
</tr>
<tr>
<td>D</td>
<td>Preservatives, Fragrances etc.</td>
<td></td>
<td>qs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
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<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>43.50</td>
</tr>
<tr>
<td></td>
<td>Acrylates Copolymer, 30%</td>
<td></td>
<td>10.00</td>
</tr>
<tr>
<td></td>
<td>Polysorbat 20</td>
<td></td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>Glycerin</td>
<td>PERLASTAN L-30 (Schill+Seilacher GmbH)</td>
<td>0.50</td>
</tr>
<tr>
<td>B</td>
<td>Sodium Lauroyl Sarcosinate, 30%</td>
<td></td>
<td>30.00</td>
</tr>
<tr>
<td></td>
<td>Lauryl Glucoside, 50 – 53%</td>
<td></td>
<td>10.00</td>
</tr>
<tr>
<td></td>
<td>Cocamidopropyl Betaine, 38%</td>
<td></td>
<td>5.00</td>
</tr>
<tr>
<td>C</td>
<td>Citric Acid</td>
<td></td>
<td>30.00</td>
</tr>
<tr>
<td>D</td>
<td>Preservatives, Fragrances etc.</td>
<td>qs to pH: 5.5</td>
<td>10.00</td>
</tr>
</tbody>
</table>

### 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”

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>74.00</td>
</tr>
<tr>
<td>B</td>
<td>Xanthan Gum</td>
<td></td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>Sodium Lauroyl Sarcosinate, 30%</td>
<td>PERLASTAN L-30 (Schill + Seilacher GmbH)</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Sodium Laureth Sulfate, 28%</td>
<td></td>
<td>15.00</td>
</tr>
<tr>
<td>C</td>
<td>Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol GLDA, 47%</td>
<td>POLYFIX ZRC 25 GP (Schill + Seilacher GmbH)</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Glycerin</td>
<td></td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2.00</td>
</tr>
<tr>
<td>D</td>
<td>Citric Acid</td>
<td>qs to pH: 5.5</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Preservatives, Fragrances, etc.</td>
<td>qs</td>
<td></td>
</tr>
</tbody>
</table>

## 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

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>78.50</td>
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<tr>
<td></td>
<td>Sodium Cocoyl Glutamate/Disodium Cocoyl</td>
<td>PERLASTAN SC 25 NKW (Schill+Seilacher GmbH)</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Glutamate, 25%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Glycerin</td>
<td></td>
<td>2.00</td>
</tr>
<tr>
<td>B</td>
<td>Carbomer</td>
<td></td>
<td>0.50</td>
</tr>
<tr>
<td></td>
<td>Dicaprylyl Carbonate</td>
<td></td>
<td>4.50</td>
</tr>
<tr>
<td></td>
<td>Macadamia Ternifolia Seed Oil</td>
<td></td>
<td>4.00</td>
</tr>
<tr>
<td>C</td>
<td>Squalane</td>
<td></td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>Glyceryl Oleate</td>
<td></td>
<td>3.00</td>
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<tr>
<td></td>
<td>Polyglyceryl-3 Diisostearate</td>
<td></td>
<td>2.50</td>
</tr>
<tr>
<td>D</td>
<td>Sodium Hydroxide</td>
<td></td>
<td>qs to pH: 5.5</td>
</tr>
<tr>
<td>E</td>
<td>Preservatives, Fragrances etc.</td>
<td></td>
<td>qs</td>
</tr>
</tbody>
</table>

## 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

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

## 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

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

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>60.50</td>
</tr>
<tr>
<td></td>
<td>Coco Glucoside, 51 – 53%</td>
<td></td>
<td>10.00</td>
</tr>
<tr>
<td></td>
<td>Sodium Lauroyl Glutamate, 38%</td>
<td>PERLASTAN SLG 38 (Schill+Seilacher GmbH)</td>
<td>17.50</td>
</tr>
<tr>
<td></td>
<td>Amodimethicone, Cetrimonium Chloride, Trideceth-12</td>
<td>SIL-O-SAN 8651 C (Schill+Seilacher GmbH)</td>
<td>2.00</td>
</tr>
<tr>
<td>B</td>
<td>Acrylates Copolymer, 30%</td>
<td></td>
<td>10.00</td>
</tr>
<tr>
<td>C</td>
<td>Sodium Hydroxide</td>
<td></td>
<td>qs to pH: 6.5 – 7.0</td>
</tr>
<tr>
<td>D</td>
<td>Preservatives, Fragrances etc.</td>
<td></td>
<td>qs</td>
</tr>
</tbody>
</table>

### 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 & GLOSSY HAIR SHAMPOO

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

**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”  

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>53.00</td>
</tr>
<tr>
<td></td>
<td>Alcohol</td>
<td></td>
<td>40.00</td>
</tr>
<tr>
<td></td>
<td>Panthenol</td>
<td></td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Propylene Glycol</td>
<td></td>
<td>2.00</td>
</tr>
<tr>
<td>B</td>
<td>Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol</td>
<td>POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)</td>
<td>3.00</td>
</tr>
<tr>
<td>C</td>
<td>Citric Acid</td>
<td></td>
<td>qs to pH: 7.0 – 8.0</td>
</tr>
<tr>
<td>D</td>
<td>Preservatives, Fragrances, etc.</td>
<td></td>
<td>qs</td>
</tr>
</tbody>
</table>

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

CLAIMS
- **POLYFIX ZRC 25 GP**
  - Eco-friendly odour absorber concentrate
- **PANTHENOL**
  - Emollient with regenerative and metabolic effects
- **PROPYLENE GLYCOL**
  - Emollient for good skin condition

PROPERTY
Appearance: clear liquid
pH-value: 7.0 – 8.0
# TOOTHPASTE “FRESH BREATH” NEW

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua, Glycerin, Sorbitol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Carboxymethyl Cellulose, GLDA, 47%, Sodium Saccharin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Sodium Lauroyl Sarcosinate, 30%, Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol</td>
<td>PERLASTAN L-30 (Schill+Seilacher GmbH), POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Aqua, Titanium Dioxide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Hydrated Silica, abrasive, thickener</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Citric Acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Preservatives, Fragrances etc.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 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*

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>88.50</td>
</tr>
<tr>
<td></td>
<td>Menthol</td>
<td></td>
<td>0.08</td>
</tr>
<tr>
<td></td>
<td>Potassium Sorbate</td>
<td></td>
<td>0.20</td>
</tr>
<tr>
<td></td>
<td>Sodium Benzoate</td>
<td></td>
<td>0.20</td>
</tr>
<tr>
<td></td>
<td>Sodium Saccharin</td>
<td></td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td>Sorbitol</td>
<td></td>
<td>10.00</td>
</tr>
<tr>
<td>B</td>
<td>Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol</td>
<td>POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)</td>
<td>0.50</td>
</tr>
<tr>
<td></td>
<td>Sodium Lauroyl Sarcosinate, 30%</td>
<td>PERLASTAN L-30 (Schill+Seilacher GmbH)</td>
<td>0.50</td>
</tr>
<tr>
<td>C</td>
<td>Citric Acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Fragrances etc.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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”

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>70.80</td>
</tr>
<tr>
<td>B</td>
<td>Xanthan Gum</td>
<td></td>
<td>0.40</td>
</tr>
<tr>
<td>C</td>
<td>Alcohol</td>
<td></td>
<td>20.00</td>
</tr>
<tr>
<td></td>
<td>Propylene Glycol</td>
<td></td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>Ethylhexylglycerin</td>
<td></td>
<td>0.30</td>
</tr>
<tr>
<td>D</td>
<td>Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol</td>
<td>POLYFIX ZRC 25 GP (Schill + Seilacher GmbH)</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Triethyl Citrate</td>
<td></td>
<td>2.50</td>
</tr>
<tr>
<td>E</td>
<td>Citric Acid</td>
<td></td>
<td>qs to pH: 6.8 – 8.0</td>
</tr>
</tbody>
</table>

### 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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYLHEXYLGLYCERIN</td>
<td>Mild preservative</td>
</tr>
<tr>
<td>POLYFIX ZRC 25 GP</td>
<td>Eco-friendly odour absorber concentrate</td>
</tr>
<tr>
<td>TRIETHYL CITRATE</td>
<td>Enzyme blocker</td>
</tr>
</tbody>
</table>
DEO ROLL-ON “PERFECT POLYFIX”

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>90.70</td>
</tr>
<tr>
<td>B</td>
<td>Cellulose Gum (and) Carrageenan (and) Ceratonia Siliqua Gum (and) Sucrose Propanediol</td>
<td>Sucracle HC-31 (ALFA Chemicals Ltd.)</td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>Lactococcus Lactis Lysate (and) Aqua (and) Propanediol</td>
<td>Probiophyte Fresh (Greentech GmbH)</td>
<td>1.00</td>
</tr>
<tr>
<td>C</td>
<td>Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol</td>
<td>POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Fragrances</td>
<td>Perfect Day (Aromatic Flavours &amp; Fragrances)</td>
<td>0.30</td>
</tr>
<tr>
<td>D</td>
<td>Citric Acid</td>
<td></td>
<td>qs to pH: 7.8 – 8.3</td>
</tr>
</tbody>
</table>

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”

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

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

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

**PROPERTY**
Appearance: colourless, clear liquid
pH-value: 5.5

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

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

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

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>50.90</td>
</tr>
<tr>
<td></td>
<td>Alcohol</td>
<td></td>
<td>32.35</td>
</tr>
<tr>
<td>B</td>
<td>Carboxymethyl Cellulose</td>
<td></td>
<td>1.50</td>
</tr>
<tr>
<td></td>
<td>Zinc Ricinoleate, Laureth-3, Tetrahydroxypropyl Ethylenediamine, Propylene Glycol</td>
<td>POLYFIX ZRC 50 TB (Schill+Seilacher GmbH)</td>
<td>2.20</td>
</tr>
<tr>
<td></td>
<td>Laureth-3</td>
<td></td>
<td>4.40</td>
</tr>
<tr>
<td>C</td>
<td>Propylene Glycol</td>
<td></td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Menthol</td>
<td></td>
<td>0.50</td>
</tr>
<tr>
<td></td>
<td>Panthenol</td>
<td></td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Tetrahydroxypropyl Ethylenediamine</td>
<td></td>
<td>3.75</td>
</tr>
<tr>
<td>D</td>
<td>Citric Acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Preservatives, Fragrances, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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
- Percent: qs to pH: 8.0 – 9.0
# HAND SANITIZER “FRESH & COOL”

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Alcohol</td>
<td></td>
<td>60.00</td>
</tr>
<tr>
<td></td>
<td>Aqua</td>
<td></td>
<td>37.80</td>
</tr>
<tr>
<td></td>
<td>Propanediol</td>
<td></td>
<td>1.00</td>
</tr>
<tr>
<td>B</td>
<td>Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol</td>
<td>POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)</td>
<td>0.60</td>
</tr>
<tr>
<td></td>
<td>PEG-12 Dimethicone</td>
<td>SIL-O-SAN 8611C (Schill+Seilacher GmbH)</td>
<td>0.60</td>
</tr>
<tr>
<td>C</td>
<td>Citric Acid</td>
<td></td>
<td>qs to pH: 5.5</td>
</tr>
<tr>
<td>D</td>
<td>Preservatives, Fragrances etc.</td>
<td></td>
<td>qs</td>
</tr>
</tbody>
</table>

## 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**

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

**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  

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>65.85</td>
</tr>
<tr>
<td></td>
<td>GLDA, 47%</td>
<td></td>
<td>0.05</td>
</tr>
<tr>
<td></td>
<td>Allantoin</td>
<td></td>
<td>0.10</td>
</tr>
<tr>
<td>B</td>
<td>Lauryl Glucoside, Disodium Cocoyl Glutamate, 42%</td>
<td>RHEO2GREEN1 (Schill+Seilacher GmbH)</td>
<td>30.00</td>
</tr>
<tr>
<td></td>
<td>Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol</td>
<td>POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Panthenol</td>
<td></td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>Aloe Barbadensis Miller</td>
<td></td>
<td>1.00</td>
</tr>
<tr>
<td>C</td>
<td>Lactic Acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Preservatives, Fragrances, etc.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**

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

**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**

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI/Ingredient</th>
<th>Trade Name</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Aqua</td>
<td></td>
<td>64.30</td>
</tr>
<tr>
<td>B</td>
<td>Xanthan Gum</td>
<td></td>
<td>1.20</td>
</tr>
<tr>
<td>C</td>
<td>Disodium Cocoyl Glutamate, 35%</td>
<td>PERLASTAN SCG 35 (Schill+Seilacher GmbH)</td>
<td>25.00</td>
</tr>
<tr>
<td></td>
<td>Sodium Lauroyl Sarcosinate, 30%</td>
<td>PERLASTAN L-30 (Schill+Seilacher GmbH)</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Zinc Ricinoleate, Tetrasodium Glutamate Diacetate, Propanediol</td>
<td>POLYFIX ZRC 25 GP (Schill+Seilacher GmbH)</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Aloe Barbadensis Miller</td>
<td></td>
<td>0.50</td>
</tr>
<tr>
<td>D</td>
<td>Citric Acid</td>
<td></td>
<td>qs to pH: 6.5</td>
</tr>
<tr>
<td>E</td>
<td>Preservatives, Fragrances, etc.</td>
<td></td>
<td>qs</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>Claim</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERLASTAN SCG 35</td>
<td>Mild surfactant with rich fine-pored foam</td>
</tr>
<tr>
<td>PERLASTAN L-30</td>
<td>Mild surfactant with high foaming ability</td>
</tr>
<tr>
<td>POLYFIX ZRC 25 GP</td>
<td>Eco-friendly odour absorber concentrate</td>
</tr>
<tr>
<td>ALOE BARBADENSIS MILLER</td>
<td>Ingredient for skin care</td>
</tr>
</tbody>
</table>
BOEBLINGEN
SPECIALITY CHEMICALS FOR:

- 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

PIRNA
SPECIALITY CHEMICALS FOR:

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

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

HAMBURG
SPECIALITY CHEMICALS FOR:

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

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

HUDSON / OHIO / USA
PRODUCER OF:

- NANOFIBRE MATRICES

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

STOW / OHIO / USA
SPECIALITY CHEMICALS FOR:

- PLASTICS
- WOOD COMPOSITES
- RUBBER
- LEATHER

DIN EN ISO 9001:2008
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 advice 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.
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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www.schillseilacher.de