All-in-one series

One ingredient, More possibilities.

ProdhyFluid®, let’s open up your creativity...
All-in-one Series

Inspired from multifunctional finished products trend, PROD’HYG has decided to show you the possibility to create multi textures from only one emulsifier: ProdhyFluid®.

Firstly especially developed for ultra-fluid emulsions (wipes, mist...), ProdhyFluid® is an ingenious complex that instantly emulsifies itself into water. Smart combination, it avoids the usual difficulties encountered as creaming, sediment, dephasing,... and provides stable products in time and at temperature. PEG-free, liquid, cold processable, it meets needs of the market and follows an eco-responsible approach. Not only an emulsifier, ProdhyFluid® is also naturally moisturizing due to its composition, leaving the skin smooth and comfortable.

What becomes even more interesting is, when used in association with texturizers or stabilizers, ProdhyFluid® also offers the possibility to create milky to creamy textures.

This new emulsifier is then not just dedicated to ultra-fluid textures but it gets a multi-functional emulsifier, ideal for developing your creativity!

Let’s experience the capabilities of ProdhyFluid® through a body mist, a protective milk and a removal cream.
Mist & Moist

Developed with only 10 INCI, this ultra-fluid mist is a new generation of body moisturizer! Light but moisturizing, ultra-fluid but stable, thanks to just ProdhyFluid® into water, this formulation offers to the skin a fresh and quick application by leaving it smooth and comfortable.

More than a simple mist, its aqueous touch turns into a velvety and silky skin feel. The skin is supple and nourished by an exceptionally immediate and lasting moisturization (+73% up to 2h / +29% after 8h Corneometer).

When 10 INCI rhyme with technicity, pleasure and performance, that is the way to go!

<table>
<thead>
<tr>
<th>Phase</th>
<th>Trade Name</th>
<th>Supplier</th>
<th>INCI Name</th>
<th>Function</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Water</td>
<td>-</td>
<td>AQUA</td>
<td></td>
<td>qs</td>
</tr>
<tr>
<td>B</td>
<td>ProdhyFluid®</td>
<td>PROD’HYG</td>
<td>SORBITAN OLEATE • POLYSORBATE 80 • CAPRYLIC/CAPRIC TRIGLYCERIDE • SQUALANE • PRUNUS AMYGDALUS DULCIS OIL • POLYSORBATE 20 • TOCOPHEROL</td>
<td>O/W Emulsifier</td>
<td>10,00</td>
</tr>
<tr>
<td></td>
<td>Vanille FEMA</td>
<td>Floressence</td>
<td>PERFUME</td>
<td>Perfume</td>
<td>0,10</td>
</tr>
<tr>
<td>C</td>
<td>ProdhySeptine® P</td>
<td>PROD’HYG</td>
<td>PHENOXYETHANOL</td>
<td>Preservative</td>
<td>0,75</td>
</tr>
</tbody>
</table>

Aspect: White, ultra-fluid / pH: 6.5 - 6.8 / viscosity: N.A.

**Process:**
- Mix Phase B ingredients.
- **Emulsion:** At room temperature, under stirring, add slowly Phase B into phase A and mix until uniform.
- Add Phase C, mix until uniform.

**Positioning:**
Global / Base formula cost = 2.0 €/kg

**Application:**
Body spray – Leave on

**Infos Pack:**
Panache Pulse Sprayer
Flask Colonna 15mL - Ring 20-410

*: Distributed by PROD’HYG in France

January 2018
**Daily Protect**

Designed for a daily use, this milk will be your best ally to be well protected! Associated with Saboflow SAT, ProdhylFluid® gives a stable milky texture. Enriched in Saboderm CV, a good alternative to cyclomethicones, and Saboderm OP, a light emollient, this milk is easy to apply, not sticky and let the skin soft and nourished.

A specific mixture of sun filters, including Heliosol® 3, insures a SPF30 while, with its fine texture, Babassu Oil helps to reduce the greasiness of sun filters and offers anti-free radicals and anti-ageing properties. To complete this protection, ProdhylDerm® Curcuma is used as an antioxidant extract and ProdhylDerm® XPP CE gives an overall action by fighting against photo-induced ageing and oxidative stress.

### Ref PSPF-CP-19

#### Phase Trade Name Supplier INCI Name Function %

**A**

Water - AQUA - qs

Saboflow SAT* SABO SODIUM ACRYLATE • SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER Gelifying agent 0,50

**B1**

- ParsoTM Shield DSM BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE UV Filter 5,00

- Saboderm CV* SABO COCO CAPRYLATE Emollient 6,00

- Saboderm OP* SABO ETHYLHEXYL PALMITATE Emollient 6,00

- Tocopherol BASF TOCOPHEROL Antioxidant 0,10

- ParsoTM 1789 DSM AVOBENZONE UV Filter 2,00

- Babassu Oil PROD’HYG ORBIGNYA OLEIFERA SEED OIL Emollient 2,00

- Heliosol® 3 PROD’HYG ETHYLHEXYL METHOXYPHENYLTRIETHYL TRIGLYCERIDE UV filter 8,00

**B2**

- ProdhylFluid® PROD’HYG SORBITAN OLEATE • POLYSORBATE 80 • CAPRYLYL/CAPRIC TRIGLYCERIDE • SQUALANE • PRUNUS AMYGDALUS DULCIS OIL • POLYSORBATE 20 • TOCOPHEROL O/W Emulsifier 20,00

**C**

- ProdhylSeptine® PCD PROD’HYG PHENOXYETHANOL • DECYLGLYCOL • CAPRYLYL GLYCOL Preservative 0,80

- Lucia Nude Light 26 Floressence PERFUME Perfume 0,20

**D**

- ProdhylDerm® XPP CE PROD’HYG GLYCERIN • QUERCUS ROBUR WOOD EXTRACT • CITRIC ACID • POTASSIUM SORBATE • SODIUM BENZOATE Protective active 1,50

- ProdhylDerm® Curcuma PROD’HYG AQUA • GLYCERIN • CURCUMA LONGA ROOT EXTRACT • CITRIC ACID • POTASSIUM SORBATE • SODIUM BENZOATE Antioxidant extract 3,00

**E**

- Lactic acid 10% PROD’HYG AQUA • LACTIC ACID pH adjuster qs

**Aspect:** Light yellow milk / pH: 5.0 – 6.0 / viscosity: 1 400cPs (DV-M63; Vit 50)

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**Process:**
- **Phase A:** Under stirring, spread Saboflow SAT in the water and mix until uniform.
- **Phase B:** Under stirring, heat all Phase B1 ingredients up to 75°C. Mix until uniform and cool down to 35°C. Then add Phase B2 and mix until homogeneous.
- **Emulsion:** At room temperature, add slowly Phase B into phase A. Homogenize during 5min.
- **Premix Phase C ingredients and add it to the mixture. Homogenize 5min.
- **Add Phase D ingredients one by one and stir between each add.
- **Adjust pH with Phase E, if necessary, between 5.0 - 6.0. Mix until uniform.**

**Positioning:**
Global formula cost = 18.7 €/kg
Base formula cost = 5.5 €/kg

**Application:**
Face cream – Leave on

***:** Distributed by PROD’HYG in France

**January 2018**

**:** Values estimated by software calculation. Non in vivo, non in vitro tested.
Adapted to all skin types, this make up remover is the cream of the crop! Obtained thanks to a mix of **Sabogel CR**, a carbomer developing a suspensive and viscous gel, **Cetostearyl Alcohol 50/50**, a consistency agent and **ProdhyFluid®**, our moisturizing self-emulsifier, this cream offers a light watery feel associated with a nourishing finish. **Saboderm NDO**, a good refatting emollient, insures a good spreadability and non-oily feel while, **Moringa Oil**, rich in Ω9 and extracted from the tree that never dies, offers protecting and cleansing properties.

For a perfect result, **ProdhyGem® O2**, providing necessary skin energizing and oxygenating properties, is combined with **Sodium Hyaluronate 1%**, a powerful moisturizer, and **ProdhyActif® Softening**, a clever mix of plants with soothing properties.

### Phase: Trade Name: Supplier: INCI Name: Function: %

**A**
- Water - AQUA - qs
- Sabogel CR* SABO CARBOMER Gelifying agent 0,20
- NaOH 18% - AQUA - SODIUM HYDROXYDE pH adjuster qs

**B**
- ProdhylFluid® PROD’HYG SORBITAN OLEATE • POLYSORBATE 80 • CAPRYLIC/CAPRIC TRIGLYCERIDE • SQUALANE • PRUNUS AMYGDALUS DULCIS OIL • POLYSORBATE 20 • TOCOPHEROL O/W Emulsifier 10,00
- Cetostearyl alcohol 50/50 PROD’HYG CETEARYL ALCOHOL Consistency agent 3,00
- Moringa Oil PROD’HYG MORINGA OLEIFERA SEED OIL Cleansing oil 2,00
- Saboderm NDO* SABO DECYL OLEATE Emollient 6,00
- Tocopherol BASF TOCOPHEROL Antioxidant 0,10

**C**
- ProdhylSeptine® PCD PROD’HYG PHENOXYETHANOL • DECYL GLYCOL • CAPRYLYL GLYCOL Preservative 0,80
- Malinette Light 26 Floresence PERFUME Perfume 0,20

**D**
- ProdhylGem® O2 PROD’HYG RIBES NIGRUM BUD EXTRACT • GLYCERIN • CITRIC ACID • POTASSIUM SORBATE • SODIUM BENZOATE Oxygenating agent 1,00
- Sodium hyaluronate 1% PROD’HYG AQUA • SODIUM HYALURONATE • PHENOXYETHANOL • METHYLPARABEN • PROPYLPARABEN Moisturizing agent 2,00
- ProdhylActif® Softening PROD’HYG PROPYLENE GLYCOL • CALENDULA OFFICINALIS FLOWER EXTRACT • ANTHEMIS NOBILIS FLOWER EXTRACT • TILIA CORDATA FLOWER EXTRACT • CENTAUREA CYANUS FLOWER EXTRACT • CHAMOMILLA RECUTITA FLOWER EXTRACT • HYPERICUM PERFORatum FLOWER EXTRACT Softening agent 2,50

### Process:
- **Phase A**: Spread Sabogel CR over the water and wait until it is completely moisturized. Homogenize by stirring and add, drop by drop, the NaOH solution until you reach pH = 5. A colourless transparent gel is obtained. Heat up to 60°C.
- **Phase B**: Under stirring, heat all Phase B ingredients up to 60°C. Homogenize during 5min. Then cool down at 35°C.
- **Emulsion**: At 60°C, slowly add phase B into phase A. Homogenize during 5min. Then cool down at 35°C.
- **Premix Phase C ingredients and add it to the emulsion.**
- **Add Phase D ingredients one by one and stir between each add.**

### Positioning:
- Global formula cost = 8.4 €/kg
- Base formula cost = 4.0 €/kg
- **Application**: Facial make up remover — Apply with a coton pad — Leave on

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*: Distributed by PROD’HYG in France*  
January 2018
# Products Index

## Functional Ingredients

### Emulsifiers

| ProdhyFluid® | SORBITAN OLEATE • POLYSORBATE 80 • CAPRYLIC/CAPRIC TRIGLYCERIDE • SQUALANE • PRUNUS AMYGDALUS DULCIS OIL • POLYSORBATE 20 • TOCOPHEROL | O/W self-emulsifying base for ultra-fluid to fluid formulas |

### Texturizers / Gelifying Agents

| Cetostearyl alcohol 50/50 | CETEARYL ALCOHOL | Consistency agent |
| Sabogel CR* | CARBOMER | Aqueous gelling agent |
| Saboflow SAT* | SODIUM ACRYLATE • SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER | Aqueous gelling agent & emulsifier |

### Emollients / Humectants

| Babassu Oil | ORBIGNYA OLEIFERA SEED OIL | Dry emollient with anti-ageing properties |
| Moringa oil | MORINGA OLEIFERA SEED OIL | Nourishing and protective emollient |
| Saboderm CV* | COCO CAPRYLATE | Light and dry emollient |
| Saboderm NDO* | DECYL OLEATE | Shiny emollient |
| Saboderm OP* | ETHYLHEXYL PALMITATE | Non oily and velvety emollient |

### Preservatives

| ProdhySeptine® P | PHENOXYETHANOL | Preservative |
| ProdhySeptine® PCD | PHENOXYETHANOL • DECYLENE GLYCOL • CAPRYLGLYCOL | Broad spectrum preservative |

### UV Filter

| Heliosol® 3 | ETHYLHEXYL METHOXYCINNAMATE | Organic UV Filter (lipo) |

## Active Ingredients & Vegetable Extracts

| ProdhyActif® Softening | PROPYLENE GLYCOL • CALENDULA OFFICINALIS FLOWER EXTRACT • ANTHEMIS NOBILIS FLOWER EXTRACT • TILIA CORDATA FLOWER EXTRACT • CENTAUREA CYANUS FLOWER EXTRACT • CHAMOMILLA RECUTITA FLOWER EXTRACT • HYPERICUM PERFORATUM FLOWER EXTRACT | Soothing plant complex |
| ProdhyDerm® XPP CE | GLYCERIN • QUERCUS ROBUR WOOD EXTRACT • CITRIC ACID • POTASSIUM SORBATE • SODIUM BENZOATE | Anti-free radical active |
| ProdhyDerm® Cucurma | AQUA • GLYCERIN • CURCUMA LONGA ROOT EXTRACT • CITRIC ACID • POTASSIUM SORBATE • SODIUM BENZOATE | Antioxidant extract |
| ProdhyGem® O2 | RIBES NIGRUM BUD EXTRACT • GLYCERIN • CITRIC ACID • POTASSIUM SORBATE • SODIUM BENZOATE | Oxygenating agent |
| Sodium Hyaluronate 1% | AQUA • SODIUM HYALURONATE • PHENOXYETHANOL • METHYLPARABEN • PROPYLENPARABEN | Powerful moisturizing agent |
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