Emulsifiers

**SENSORY OVERVIEW**

<table>
<thead>
<tr>
<th>OILY/COMBINATION SKIN</th>
<th>NORMAL SKIN/ALL SKIN TYPES</th>
<th>DRY/DAMAGED SKIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plantasens® Natural Emulsifier</td>
<td>Hostaphat® KL 340D</td>
<td>Plantasens® Natural Emulsifier</td>
</tr>
<tr>
<td>Plantasens® Natural Emulsifier</td>
<td>Hostaphat® KW 340D</td>
<td>Plantasens® Natural Emulsifier</td>
</tr>
<tr>
<td>Plantasens® Natural Emulsifier</td>
<td>Hostaphat® CC100</td>
<td>Plantasens® Natural Emulsifier</td>
</tr>
<tr>
<td>Plantasens® Natural Emulsifier</td>
<td>Hostaphat® CP40</td>
<td>Plantasens® Natural Emulsifier</td>
</tr>
<tr>
<td>Plantasens® Natural Emulsifier</td>
<td>Hostaphat® HE20</td>
<td>Plantasens® Natural Emulsifier</td>
</tr>
<tr>
<td>Plantasens® Natural Emulsifier</td>
<td>Hostacerin® WO, EWO</td>
<td></td>
</tr>
<tr>
<td>Plantasens® Natural Emulsifier</td>
<td>Hostacerin® DGI</td>
<td></td>
</tr>
</tbody>
</table>

**SKIN FEEL AFTER APPLICATION**

- light
- fast
- slow
- rich
- o/w
- w/o

**ABSORPTION DURING APPLICATION**

- Plantasens® Natural Emulsifier HP10
- Plantasens® Natural Emulsifier HP30
- Hostaphat® KL 340D
- Hostaphat® KW 340D
- Hostaphat® HE20
- Hostacerin® WO, EWO
- Hostacerin® DGI

*What is precious to you?*

---

![Emulsifiers Image](image)

---

*www.personalcare.clariant.com*

*personalcare@clariant.com*

**Clariant International Ltd**

**BU Industrial & Consumer Specialties**

**Rothausstrasse 61, CH-4132 Muttenz**

**Commercial**

**Phone:** +41 61 469 5351

**Application Development**

**Phone:** +49 69 305 18594

---

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application.

*Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and re-view the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.*

---

*For sales to customers located within the United States and Canada the following applies in addition:*

NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

 registrado als Trademark of Clariant registriert in vielen Ländern
**O/W Emulsifiers**

<table>
<thead>
<tr>
<th>Product</th>
<th>INCI</th>
<th>Form</th>
<th>HLB</th>
<th>Usage level</th>
<th>Compatibility*</th>
<th>Sensory</th>
<th>Recommended skin type</th>
<th>Recommended applications</th>
<th>Process</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plantsens</strong></td>
<td>Natural Emulsifier CP40</td>
<td>Liquid</td>
<td>3</td>
<td>3 – 5%</td>
<td>O/W</td>
<td>fresh &amp; light</td>
<td>dry, sensitive &amp; mature</td>
<td>protective creams and lotions, anti-aging products</td>
<td>cold</td>
<td>Ecocert®*1</td>
</tr>
<tr>
<td><strong>Plantsens</strong></td>
<td>Natural Emulsifier CFS2</td>
<td>Liquid</td>
<td>3.5</td>
<td>3 – 5%</td>
<td>O/W</td>
<td>rich &amp; caring</td>
<td>dry, sensitive &amp; mature</td>
<td>protective creams and lotions, sun-care, wateoproofed formulations</td>
<td>cold</td>
<td>Ecocert®*1</td>
</tr>
</tbody>
</table>

* Promotes the formation of liquid crystal structures

**W/O Emulsifiers**

<table>
<thead>
<tr>
<th>Product</th>
<th>INCI</th>
<th>Form</th>
<th>HLB</th>
<th>Usage level</th>
<th>Compatibility*</th>
<th>Sensory</th>
<th>Recommended skin type</th>
<th>Recommended applications</th>
<th>Process</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EWO</strong></td>
<td>Glycerine Stearate, Polyglyceryl-2 Sesquiisostearate, Simmondsia Chinensis Seed Oil, Cera Alba (Beeswax), Magnesium Stearate, Aluminum Stearate</td>
<td>Liquid</td>
<td>5</td>
<td>4 – 5%</td>
<td>O/W</td>
<td>thick &amp; rich</td>
<td>dry, sensitive &amp; mature</td>
<td>protective creams and lotions, body butters, hands, feet creams, baby, make-up</td>
<td>cold/hot</td>
<td>Ecocert®*1</td>
</tr>
</tbody>
</table>

* UV filters; UV filter system globally approved (chemical filters)

**Plantasens**

<table>
<thead>
<tr>
<th>Natural Emulsifier HP30</th>
<th>Natural Emulsifier HE20</th>
<th>Natural Emulsifier HP10</th>
<th>Natural Emulsifier HE20</th>
<th>Natural Emulsifier HP30</th>
<th>Natural Emulsifier HE20</th>
<th>Natural Emulsifier HE20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cetyl Stearate, Cetearyl Alcohol, Stearoyl Glutarate</td>
<td>Cetyl Stearate, Cetearyl Alcohol, Zinc Stearate</td>
<td>Cetyl Phosphate</td>
<td>Cetyl Alcohol, Zinc Stearate, Lecithine</td>
<td>Cetylsteareth-4-Phosphate</td>
<td>Triacetin, Stearate</td>
<td>Cetylsteareth-4-Phosphate</td>
</tr>
</tbody>
</table>

**HP10**

**Hostacerin**

**Hostaphat**
Emulsifiers

SENSORY OVERVIEW

Skin Feel After Application
- Light
- Fast
- Slow
- Rich

Absorption During Application
- Plantasens® Natural Emulsifier HP10
- Hostaphat® KL 340D
- Hostaphat® KN 340D
- Hostaphat® CC100
- Hostacerin® WO, EWO
- Hostacerin® DGI
- o/w
- w/o

www.personalcare.clariant.com
personalcare@clariant.com
Clariant International Ltd
BU Industrial & Consumer Specialties
Rothausstrasse 61, CH-4132 Muttenz
Commercial Phone: +41 61 469 5351
Application Development Phone: +49 69 305 18594

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application.

*Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and re-view the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

*for sales to customers located within the United States and Canada the following applies in addition:

NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

® Trademark of Clariant registered in many countries
© 2014 Clariant International Ltd
Our versatile o/w and w/o emulsifiers deliver the performance you need, combined with a distinct sensory effect.

**O/W Emulsifiers**

- **Hostaphat®**
  - Natural Emulsifier
  - HP30
  - Paraffinum Liquidum (Mineral Oil), Hydrogenated Styrene/Copolymer, Cera Microcrystallina (Microcrystalline Wax), Sucrose Palmitate, Tristearin, Copernicia Cerifera (Carnauba) Wax, Simmondsia Chinensis (Jojoba) Seed Oil, Caprylic/Capric Triglyceride (Carnuba Wax)
  - Good spreadability in richer creams
  - Mineral oil-free blend with a rich and caring skin feel
  - Fast absorption and supplie after feel
  - Good spreadability in richer creams
  - Fast absorption and supple after feel

- **KL 340D**
  - Hostacerin®
  - Natural Emulsifier
  - HP10
  - Tricaprylin, Cetyl Alcohol, Glycerin, Palmitic Acid, Stearic Acid, Polysorbate 60, Pyridinium Pantothenate 3-Phosphate
  - Unique powdery and gliding sensation
  - Light and elegant slippery after feel

- **KW 340D**
  - Hostacerin®
  - Natural Emulsifier
  - HE20
  - Tristearin, Cetyl Alcohol, Glyceryl Stearate, Cetearyl Alcohol, Olea Europaea (Olive) Oil Unsaponifiables, Sorbitan Oleate, Polyglyceryl-3-Stearate, Glycerin, Caprylic/Capric Triglyceride (Carnuba Wax), Simmondsia Chinensis (Jojoba) Seed Oil, Polysorbate 60, Cera Microcrystallina (Microcrystalline Wax), Tristearin, Palmitic Acid, Stearic Acid, Glycerin, Pyridinium Pantothenate 3-Phosphate, Lauric Acid, Palmitic Acid, Stearic Acid, Cetyl Alcohol, Glycerin, Polysorbate 80, Caprylic/Capric Triglyceride (Carnuba Wax), Simmondsia Chinensis (Jojoba) Seed Oil, Capric Acid
  - Light blend that cares for the skin
  - Unique powdery and gliding sensation
  - Light and elegant slippery after feel

- **CC100**
  - Hostacerin®
  - Natural Emulsifier
  - HP10
  - Tristearin, Cetyl Alcohol, Glyceryl Stearate, Cetearyl Alcohol, Olea Europaea (Olive) Oil Unsaponifiables, Sorbitan Oleate, Polyglyceryl-3-Stearate, Glycerin, Caprylic/Capric Triglyceride (Carnuba Wax), Simmondsia Chinensis (Jojoba) Seed Oil, Polysorbate 60, Cera Microcrystallina (Microcrystalline Wax), Tristearin, Palmitic Acid, Stearic Acid, Cetyl Alcohol, Glycerin, Polysorbate 80, Caprylic/Capric Triglyceride (Carnuba Wax), Simmondsia Chinensis (Jojoba) Seed Oil, Capric Acid
  - Light blend that cares for the skin
  - Unique powdery and gliding sensation
  - Light and elegant slippery after feel

**W/O Emulsifiers**

- **O/W Emulsifiers**
  - **Plantasens®**
    - Natural Emulsifiers
    - HP30
    - Polyglyceryl-2 Sesquiisostearate, Polyglyceryl-3 Sesquiisostearate, Simmondsia Chinensis (Jojoba) Seed Oil, Ceradisco (Essential Oil), Magnesium Stearate, Aluminum Trihydroxide, Caprylic/Capric Glyceride (Carnauba Wax)
    - Compatibility: O/W
    - Recommended skin type: normal & dry
    - Recommended application: dry lotions, anti-aging creams, after-sun care, facial masks
    - Process Certificates: one pot Ecocert®

- **W/O Emulsifiers**
  - **Hostacerin®**
    - Natural Emulsifier
    - HP10
    - Polyglyceryl-2 Sesquiisostearate, Polyglyceryl-3 Sesquiisostearate, Simmondsia Chinensis (Jojoba) Seed Oil, Ceradisco (Essential Oil), Magnesium Stearate, Aluminum Trihydroxide, Caprylic/Capric Glyceride (Carnauba Wax)
    - Compatibility: O/W
    - Recommended skin type: normal & dry
    - Recommended application: dry lotions, anti-aging creams, after-sun care, facial masks
    - Process Certificates: one pot Ecocert®

- **O/W Emulsifiers**
  - **Hostacerin®**
    - Natural Emulsifier
    - HP30
    - Polyglyceryl-2 Sesquiisostearate, Polyglyceryl-3 Sesquiisostearate, Simmondsia Chinensis (Jojoba) Seed Oil, Ceradisco (Essential Oil), Magnesium Stearate, Aluminum Trihydroxide, Caprylic/Capric Glyceride (Carnauba Wax)
    - Compatibility: O/W
    - Recommended skin type: normal & dry
    - Recommended application: dry lotions, anti-aging creams, after-sun care, facial masks
    - Process Certificates: one pot Ecocert®

**Water-in-Oil (W/O)**

- **CPS**
  - Instant moisture with a surprisingly light sensation

- **CP40**
  - Fomesicking and ultra-quick absorption

- **HP10**
  - Refreshing and ultra-quick absorption

- **HE20**
  - One ingredient for all formulations

**Oil-in-Water (O/W)**

- **W/O**
  - **Hostacerin®**
    - Natural Emulsifier
    - HP10
    - Polyglyceryl-2 Sesquiisostearate, Polyglyceryl-3 Sesquiisostearate, Simmondsia Chinensis (Jojoba) Seed Oil, Ceradisco (Essential Oil), Magnesium Stearate, Aluminum Trihydroxide, Caprylic/Capric Glyceride (Carnauba Wax)
    - Compatibility: O/W
    - Recommended skin type: normal & dry
    - Recommended application: dry lotions, anti-aging creams, after-sun care, facial masks
    - Process Certificates: one pot Ecocert®

**W/O Emulsifiers**

- **Plantasens®**
  - Natural Emulsifiers
  - HP30
  - Polyglyceryl-2 Sesquiisostearate, Polyglyceryl-3 Sesquiisostearate, Simmondsia Chinensis (Jojoba) Seed Oil, Ceradisco (Essential Oil), Magnesium Stearate, Aluminum Trihydroxide, Caprylic/Capric Glyceride (Carnauba Wax)
  - Compatibility: O/W
  - Recommended skin type: normal & dry
  - Recommended application: dry lotions, anti-aging creams, after-sun care, facial masks
  - Process Certificates: one pot Ecocert®
**W/O Emulsifiers**

<table>
<thead>
<tr>
<th>Product</th>
<th>INCI</th>
<th>Form</th>
<th>HLB</th>
<th>Level</th>
<th>Compatibility*</th>
<th>Sensory</th>
<th>Recommended skin type</th>
<th>Recommended applications</th>
<th>Process</th>
<th>Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plantsen®</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Emulsifier HP2®</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Emulsifier HP2®</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hostacerin®</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>O/W Emulsifiers</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Plantasens®</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Natural Emulsifier</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hostaphat®</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>KL 340D</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>KW 340D</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hostacerin®</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OIL-IN-WATER (O/W)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EMULSIFIERS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WATER-IN-OIL (W/O)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CP40</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HE20</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>KL 340D</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>KW 340D</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hostacerin®</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>W/O Emulsifiers</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Plantasens®</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Natural Emulsifier</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hostaphat®</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>KL 340D</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>KW 340D</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hostacerin®</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HE20** | | | | | | | | | |

*1Ethanol: added to emulsion once it is cooled down below 40°C

**Promotes the formation of liquid crystal structures

**Registered trademark of ECOCERT, F-32600 L’ISLE JOURDAIN (FR)

**Registered trademark of ECOCERT, P-32600 VILLEJUIF JOURSIN (FR)
**Emulsifiers**

**Sensory Overview**

**Skin Feel After Application**
- Light
- Fast
- Slow
- Rich

**Absorption During Application**
- Plantasens® Natural Emulsifier HP10
- Plantasens® Natural Emulsifier HP30
- Hostaphat® KL 340D
- Hostaphat® CC100
- Hostacerin® WO, EWO

**Dry/Damaged Skin**
- Plantasens® Natural Emulsifier CP40
- Plantasens® Natural Emulsifier CP5
- Hostaphat® KW 340D

**Normal Skin/All Skin Types**
- Plantasens® Natural Emulsifier HE20

**Oily/Combination Skin**
- Hostacerin® DGI

---

*Nothing included in this information waives any of Clariant’s General Terms and Conditions of Sale, which control unless it agrees otherwise in writing.*

*For sales to customers located within the United States and Canada the following applies in addition: NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWUSE OF ANY PRODUCT OR SERVICE.*

**Trademarks of Clariant registered in many countries © 2014 Clariant International Ltd**

This information corresponds to the present state of our knowledge and is indicated as a general description of our products and their possible use. It does not replace professional advice. No guarantee of the information's accuracy, adequacy, sufficiency or freedom from defect is assumed. Any user of this product is responsible for determining the suitability of Clariant's products for the intended application. Clariant's standard conditions of delivery apply. Any existing intellectual property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions that should be observed when handling or storing Clariant products are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.