

## Active Eye Serum

Formulation number: NAD021-08-16

PHASE	CTFA INCI NAME	COMPONENTS	%	Function
I	Ceteareth-6 Olivat	OLIVEM® 800	1.50	Emulsifier
	Ethylhexyl Olivat	SENSOLENE®	2.00	Emollient
	Hydrogenated Olive Oil (and) Olea Europaea (Olive) Fruit Oil (and) Olea Europaea (Olive) Oil Unsaponifiables	OLIWAX®	1.50	Stabilizing Agent
	Dimethicone		1.00	Emollient
II	Cyclomethicone		4.00	Emollient
	Water		up to 100.00	
	Glycerin		3.00	Humectant
III	Sodium Carbomer		0.30	Thickener
	Sodium Hyaluronate		1.00	Active Ingredient
	Preservative		a.n.	Preservative
		Perfume	a.n.	Perfume
<b>VISCOSITY (mPa.s)</b>		<b>18.000 – 20.000</b>		
Brk, RVDV-E, Sp 4, 10 RPM				
<b>pH (100%)</b>		<b>6,0 – 7,0</b>		

### PROCEDURE:

Prepare Phase I and II separately (without Dimethicone and Cyclomethicone) and warm them up at 75°C;  
 Disperse the polymer into the water phase;  
 Add Phase I to Phase II under agitation at 75°C using a suitable dispersion unit (e.g. ULTRA TURRAX, SILVERSONE, ... ), homogenize for few minutes ;  
 Add Dimethicone and Cyclomethicone and homogenize for few minutes;  
 Then start cooling down;  
 At 40°C add Phase III under gentle stirring;

The mentioned formulation has been developed in order to give general directions for the employment of our ingredients. The information set forth here in is furnished free of charge and is based on technical data that B&T believes to be reliable. B&T makes no warranties and assumes no liability in connection with any use of this information.

## Hand Cleanser – Alcohol Based

Formulation number: CPD054-09-02

PHASE	CTFA INCINAME	COMPONENTS	%	Function
<b>I</b>	Water Ethanol 96%	Carbopol Ultrez 10    <b>OLIVEM® 300</b>	up to 100.00	
			67.00	Solubilising Agent
<b>II</b>	Carbomer Triethanolamine		1.00	Thickener
			a.n.	Neutralizing Agent
<b>III</b>	Propylene Glycol <b>Olive Oil Peg-7 Esters</b>		3.00	Humectant
			<b>3.00</b>	<b>Emollient/Sebum recovering properties</b>
			0.30	Active Ingredient
<b>IV</b>	Panthenol Aloe Vera Extract Triclosan Ethanol 96% Green Color Solution Perfume		0.15	Active Ingredient
			0.50	Active Ingredient
			3.00	Solubilising Agent
		0.10	Color	
		a.n.	Perfume	
<b>VISCOSITY (mPa.s)</b>		<b>14.000 – 16.000</b>		
Brk,DV-E, Spindle 9I, 10 rpm				
<b>pH(100%)</b>		<b>6,0 – 7,0</b>		

### PROCEDURE:

Prepare Phase I and III separately;

Dispersing the Carbomer in the Phase I (cold process) with a suitable dispersion unit (ULTRA TURRAX, SILVERSON, ...);

Adjust the pH to 6-7 with Phase II.

Add Phase III to Phase I under agitation (cold process), homogenize for few minutes;

Add Phase IV (before disperse Triclosan in Ethanol).

# Hand Cream

Formulation number: CPD053-09-04

PHASE	CITFA INCINAME	COMPONENTS	%	Function
<b>I</b>	<b>Cetearyl Olivat (and) Sorbitan Olivat</b>	<b>OLIVEM® 1000</b>	<b>4.00</b>	<b>Emulsifier/ Liquid Crystal Promoter</b>
	<b>Cetyl Palmitate (and) Sorbitan Palmitate (and) Sorbitan Olivat</b>	<b>OLIWAX® LC</b>	<b>1.50</b>	<b>Stabilizing Agent</b>
	<b>Ethyhexyl Olivat</b>	<b>SENSOLENE®</b>	<b>2.00</b>	<b>Emollient</b>
	Dicaprylyl Ether		0.50	Emollient
	Ethylhexyl Methoxycinnamate		2.00	UVB Filter
	Ethylhexyl Salicylate		1.00	UVB Filter
	Butyl Methoxydibenzoylmethane		1.00	UVA Filter
	Butyrospermum Parkii (Shea) Butter		1.00	Emollient
	Simmondsia Chinensis (Jojoba) Seed Oil		1.00	Emollient
	Stearic Acid		0.30	Stabilizing Agent
<b>II</b>	EDTA		0.10	Chelant Agent
	Alfa-Tocopherol		0.30	Antioxidant Agent
<b>III</b>	Dimethicone		2.00	Emollient
	Water		Up to 100.00	
<b>IV</b>	Glycerin		3.00	Humectant
	Xanthan Gum		0.30	Thickener
<b>IV</b>	Microcrystalline Cellulose, Carboxymethyl Cellulose		0.80	Stabilizing Agent
	<b>Olea Europaea (Olive) Leaf Extract (and) Water</b>	<b>EUROL® BT</b>	<b>0.50</b>	<b>Active Ingredient</b>
	Preservative		a.n.	Preservative
	Perfume		a.n.	Perfume
<b>VISCOSITY (mPa.s)</b>		<b>4000 – 6000</b>		
Brk,DV-E, Spindle 5, 20 rpm				
<b>pH (100%)</b>		<b>6,0 – 7,0</b>		

**PROCEDURE:**

Prepare Phase I and III separately, warm them up to 75°C;  
 Dispersing the Xanthan Gum and Microcrystalline Cellulose in the water phase with a suitable dispersion unit (ULTRA TURRAX, SILVERSON, ...);  
 Add Phase I to Phase III under agitation (at 75°C), homogenize for few minutes;  
 Add Dimethicone (Phase II) and homogenize for few minutes;  
 Cool down under gentle stirring;  
 Add Phase IV at 40°C.

The mentioned formulation has been developed in order to give general directions for the employment of our ingredients. The information set forth here in is furnished free of charge and is based on technical data that B&T believes to be reliable. B&T makes no warranties and assumes no liability in connection with any use of this information.

## Make-up Remover Lotion

Formulation number: NAD025-08-20A

PHASE	CTFA INCI NAME	COMPONENTS	%	Function
I	Olive Oil Peg-7 Esters	OLIVEM® 300	0.50	Emollient/Sebum recovering properties
	Sodium Peg-7 Olive Oil Carboxylate	OLIVEM® 400	1.50	Mild Surfactant
	Ethyhexyl Oliviate	SENSOLENE®	0.50	Emollient
	Cyclomethicone		2.00	Emollient
	Decyl Glucoside		7.00	Surfactant
II	Water		up to 100.00	
	Glycerin		1.00	Humectant
	EDTA		0.10	Chelant Agent
	Acrylates Copolymer	Carbopol Aqua SF-1	10.00	Thickener
III	Triethanolamine		0.50	Neutralizing Agent
		Preservative	a.n.	Preservative
		Perfume	a.n.	Perfume
<b><u>VISCOSITY (mPa.s)</u></b>		<b>unmeasurable</b>		
Brk, RVDV-E				
<b><u>pH(100%)</u></b>		<b>6,0 – 6,5</b>		

### PROCEDURE:

Prepare Phase I and II separately ;  
Adjust pH of Phase II to 6,5;  
Add Phase I to phase II under agitation (cold process), homogenize for few minutes;  
Add Phase III.

## *Protective Lipstick*

Formulation number: NAD025-08-22A

PHASE	CTFA INCI NAME	COMPONENTS	%	Function
I	<b>Cetearyl Olivatate (and) Sorbitan Olivatate</b>	<b>OLIVEM® 1000</b>	<b>6.00</b>	<b>Emulsifier/Liquid Crystal Promoter</b>
	<b>Sorbitan Olivatate</b>	<b>OLIVEM® 900</b>	<b>20.00</b>	<b>Emulsifier</b>
	Ricinus Communis (Castor) Seed Oil		48.20	Emollient
	Prunus Amygdalus Dulcis (Sweet Almond) Oil		5.20	Emollient
	Peg-8 Beeswax		15.00	Stabilizing Agent
	Butyrospermum Parkii (Shea) Butter		5.00	Emollient
		Preservative	a.n.	Preservative
	Perfume	a.n.	Perfume	

### **PROCEDURE:**

Prepare Phase I and warm up to 75 – 80°C.  
Then start cooling down without agitation.

# Aftershave Lotion

SC-GB/07/06B

Phase	Trade Name	INCI Name	w/w%
A	Emulgade® CM	Cetearyl Isononanoate (and) Ceteareth-20 (and) (and) Cetearyl Alcohol (and) Glyceryl Stearate (and) (and) Glycerin (and) Ceteareth-12 (and) (and) Cetyl Palmitate	20.00
B	Water, demin.	Aqua	up to 100
	Cosmedia® SP	Sodium Polyacrylate	0.40
	Glycerin	Glycerin	3.00
	Keltrol T (CP Kelco)	Xanthan gum	0.10
C	Ethanol	Ethanol	10.00
	Preservative		q.s.
	<b>Appearance</b>		<i>Opaque lotion</i>
	<b>Viscosity</b> (Brookfield RVF, 23 °C, spindle 4, 10rpm)		<i>2,000 mPas</i>
	<b>pH</b>		<i>6.5</i>

## PROCEDURES

1. Disperse phase B with a suitable dispersion unit at room temperature
2. Add phase A to the dispersed phase B while stirring and mix with a suitable dispersion unit (e.g. with TK homomixer, at 5000rpm, for 3 min), at room temperature.
3. Add phase C to the emulsion while stirring and mix with a suitable dispersion unit (e.g. with TK homomixer, at 5000 rpm, for 2 min).

CONTACT: Yeah-Young Baek  
E-mail: Yeah-Young.Baek@cognis.com  
Phone: +82-2-3489-7635

## Development formulation

---

### CLEANSING FACIAL MILK

**CSF145**

This liquid emulsion effectively cleanses deep-seated dirt, leaving the skin clean, soft and supple using a combination of emollients. OptaSense™ RMA-IS allows stable liquid emulsion and lightens the usual greasy after-feel of mineral oil.

Product / INCI Name	FUNCTIONALITY	% w/w
<b>PART A</b>		
WATER, DEIONISED [AQUA]		To 100.00
<b>OPTASENSE™ RMA-IS</b> <sup>1</sup> [SODIUM POLYACRYLATE (AND) PARAFFINUM LIQUIDUM (AND) CAPRYLIC/CAPRIC TRIGLYCERIDES (AND) TRIDECETH-6 (AND) SORBITAN LAURATE]	Viscosity Modifier	0.25
<b>PART B</b>		
<b>SPAN™ 80</b> <sup>1</sup> [SORBITAN OLEATE]	Emulsifier	2.00
<b>TWEEN™ 28</b> <sup>1</sup> [PEG-80 SORBITAN LAURATE]	Emulsifier	1.70
MINERAL OIL	Emollient	6.00
<b>CRODAMOL™ OP</b> <sup>1</sup> [ETHYLHEXYL PALMITATE]	Emollient	2.00
DC 345 <sup>3</sup> [CYCLOMETHICONE]	Silicone Oil	0.80
<b>PART C</b>		
<b>PHENOVA</b> <sup>2</sup> [PHENOXYETHANOL (AND) METHYLPARABEN (AND) ETHYLPARABEN (AND) BUTYLPARABEN (AND) PROPYLPARABEN (AND) ISOBUTYLPARABEN]	Preservative	0.50
<b>TOTAL</b>		100.00

Suppliers: - 1: **Croda** 2: **Crodarom** 3: **Dow Corning**

### Method

1. Add OptaSense™ RMA-IS in water while stirring until fully dispersed.
2. Heat Part A and B to 70 deg C.
3. Add Part B to Part A with continuous stirring and then cool down.
4. Add the Preservative. If desire, adjust pH to 6.5 with Triethanolamine.

Appearance: milky emulsion	
Viscosity: 2,600 cPs	Stability: 3 months @ 40°C and RT, 1 month @ 50°C

### Non-warranty

This formulations presented in this publication has been subjected to limited stability tests and has been shown to perform well. However formulators adopting these approaches should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

Croda Singapore Pte Ltd 30 Seraya Avenue Singapore 627884  
 Tel +65 6551 9600 Fax +65 6551 9550 E-mail sales@croda.com

ARBN 088 345 457

## Development formulation

### AFTERSHAVE GEL CREAM

CSF155

An easy-to-make cold processed formulation made possible with the use of **OptaSense™ RMA-IS**. **Crodamazon™ Maracuja** promotes non-oily afterfeel when product is applied on skin, whereas **Crodarom™ Eucalyptus** has antiseptic and anti-irritant properties that helps in healing and soothing skin abrasions. This gel cream also imparts a cooling sensation on skin. Overall, this formula leaves skin feeling refreshed, matte and clean.

Product / INCI Name	FUNCTIONALITY	% w/w
<b>PART A</b>		
DEIONISED WATER	Diluent	To 100.00
PPG-20 METHYL GLUCOSE ETHER	Humectant	1.00
<b>OPTASENSE™ RMA-IS</b> <sup>1</sup> [SODIUM POLYACRYLATE (AND) PARAFFINUM LIQUIDUM (AND) CAPRYLIC/CAPRIC TRIGLYCERIDES (AND) TRIDECETH-6 (AND) SORBITAN LAURATE]	Emulsifying Complex	1.00
DC345 [CYCLOMETHICONE]	Skin feel modifier	3.00
<b>CRODAMAZON™ MARACUJA</b> <sup>1</sup> [PASSIFLORA EDULIS (AND) PASSIFLORA INCARNATA]	Emollient	2.00
<b>CRODAROM™ VITAMIN AEF O/S</b> <sup>2</sup> [ISOPROPYL MYRISTATE (AND) GLYCINE SOJA OIL (AND) CARTHAMUS TINCTORIUS (SAFFLOWER) SEED OIL (AND) LINOLEIC ACID (AND) TOCOPHERYL ACETATE (AND) RETINYL PALMITATE]	Antioxidant	1.00
<b>CRODAROM™ EUCALYPTUS</b> <sup>2</sup> [PROPYLENE GLYCOL (AND) WATER (AND) EUCALYPTUS GLOBULUS LEAF EXTRACT]	Extract	1.00
<b>CRODAROM™ PEPPERMINT</b> <sup>2</sup> [PROPYLENE GLYCOL (AND) WATER (AND) MENTHA PIPERITA LEAF EXTRACT]	Extract	1.00
<b>PHENOVA</b> <sup>2</sup> [PHENOXYETHANOL (AND) METHYLPARABEN (AND) ETHYLPARABEN (AND) BUTYLPARABEN (AND) PROPYLPARABEN (AND) ISOBUTYLPARABEN]	Preservative	0.80

Suppliers: - 1: **Croda** 2: **Crodarom** 3: **Sederma**

### Method

1. Add ingredients as listed, one at a time.
2. Ensure each ingredient is mixed well before the addition of the next ingredient.

#### Non-warranty

This formulations presented in this publication has been subjected to limited stability tests and has been shown to perform well. However formulators adopting these approaches should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

Croda Singapore Pte Ltd Product Applications Department 30 Seraya Avenue Singapore 627884

Tel +65 6551 9600 Fax +65 6551 9550 E-mail [PAL-SG@croda.com](mailto:PAL-SG@croda.com)

ARBIN 088 345 457

Page 1 of 2

Aftershave Gel Cream CSF155 11/09



## Development formulation

---

Appearance: Slightly yellowish cream gel	
Viscosity: 16,150cPs (RVT, spindle 6, 20rpm @ 1 min)	Stability: 1 month @ 50°C, 3 months @ RT and 40°C

### **Non-warranty**

This formulations presented in this publication has been subjected to limited stability tests and has been shown to perform well. However formulators adopting these approaches should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

Croda Singapore Pte Ltd Product Applications Department 30 Seraya Avenue Singapore 627884

Tel +65 6551 9600 Fax +65 6551 9550 E-mail [PAL-SG@croda.com](mailto:PAL-SG@croda.com)

ARBN 088 345 457

## Development formulation

### ANALGESIC RUB CREAM

CSB139

Product / INCI Name	FUNCTIONALITY	% w/w
DEIONISED WATER [AQUA]		To 100.00
<b>MixXIN ME</b> <sup>1</sup> [CAPRYLIC/CAPRIC TRIGLYCERIDES (AND) GLYCOL STEARATE (AND) PEG-3 GLYCERYL COCOATE (AND) STEARETH-7]	Emulsifying Complex	8.00
METHYL SALICYLATE <sup>2</sup>	Active Ingredient	15.00
MENTHOL CRYSTAL	Active Ingredients	5.00
CAMPHOR	Active Inredients	3.00
<b>PROCETYL</b> <sup>TM</sup> <b>AWS</b> <sup>1</sup> [PPG-5 CETETH-20]	Solubiliser	3.00
PRESERVATIVE	Preservative	0.10
<b>OPTA</b> <b>SENSE</b> <sup>TM</sup> <b>RMA-IS</b> <sup>1</sup> [SODIUM POLYACRYLATE (AND) PARAFFINUM LIQUIDUM (AND) CAPRYLIC/CAPRIC TRIGLYCERIDES (AND) TRIDECETH-6 (AND) SORBITAN LAURATE]	Stabiliser / Viscosity Modifier	0.75
Total		100.00

Suppliers: - 1: **Croda** 2: **Merck**

### Method

1. Melt menthol and camphor and add with Methyl Salicylate.
2. Combine MixXIN ME and Procetyl<sup>TM</sup> AWS then mix.
3. Gradually add water with moderate mixing until homogeneous.
4. Add OptaSense<sup>TM</sup> RMA-IS last.
5. If desire, adjust pH to 6.5 with Triethanolamine.

Appearance: White cream	
Viscosity: 30,080 cPs	Stability: on-going 3 months @ 40°C and RT, 1 month @ 50°C

### Non-warranty

This formulations presented in this publication has been subjected to limited stability tests and has been shown to perform well. However formulators adopting these approaches should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

Croda Singapore Pte Ltd 30 Seraya Avenue Singapore 627884

Tel +65 6551 9600 Fax +65 6551 9550 E-mail [PAL-SG@croda.com.sg](mailto:PAL-SG@croda.com.sg)

[ARBN.088.345.457](http://ARBN.088.345.457)

## Development formulation

### CLEANSING MILK MAKE-UP REMOVER

CSF140

MixXIN ME can be used to make very stable milks and spray able lotions. This make-up remover is an efficient cleanser ideal for water-resistant make-up, hence offering the benefits of an oil-based cleanser without the associated greasy after-feel. The rinse-off step in cleansing may even be omitted. The resultant skin feel is smooth and supple. OptaSense RMA-IS is used to thicken and stabilize the emulsion.

Product / INCI Name	FUNCTIONALITY	% w/w
WATER, DEIONISED [AQUA]		To 100.00
<b>MIXXIN ME PRESERVED</b> <sup>1</sup> [CAPRYLIC/CAPRIC TRIGLYCERIDES (AND) GLYCOL STEARATE (AND) PEG-3 GLYCERYL COCOATE (AND) STEARETH-7]	Emulsifying Complex	8.00
<b>CRODAMOL™ PMP</b> <sup>1</sup> [PPG-2 MYRISTYL ETHER PROPIONATE]	Emollient (Dry & Elegant Skin Feel)	5.00
GLYCERINE 99.5%	Humectant	5.00
MINERAL OIL	Emollient	5.00
CYCLOMETHICONE	Emollient	1.50
<b>PHENOVA</b> <sup>2</sup> [PHENOXYETHANOL (AND) METHYLPARABEN (AND) ETHYLPARABEN (AND) BUTYLPARABEN (AND) PROPYLPARABEN (AND) ISOBUTYLPARABEN]	Preservative	0.50
<b>OPTASENSE™ RMA-IS</b> <sup>1</sup> [SODIUM POLYACRYLATE (AND) PARAFFINUM LIQUIDUM (AND) CAPRYLIC/CAPRIC TRIGLYCERIDES (AND) TRIDECETH-6 (AND) SORBITAN LAURATE]	Stabiliser / Viscosity Modifier	0.35
Total		100.00

Suppliers: - 1: **Croda** 2: **Crodarom**

### Method

1. Slowly add all ingredients except for OptaSense™ RMA-IS to MixXIN ME and mix until homogeneous and emulsified.
2. Continue mixing with maximum agitation but without aeration. (Minimum 15 minutes)
3. Add OptaSense™ RMA-IS. Mix until homogeneous.
4. If desire, adjust pH to 6.5 with Triethanolamine.

#### Non-warranty

This formulations presented in this publication has been subjected to limited stability tests and has been shown to perform well. However formulators adopting these approaches should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

Croda Singapore Pte Ltd 30 Seraya Avenue Singapore 627884  
Tel +65 6551 9600 Fax +65 6551 9550 E-mail PAL-SG@croda.com

ARBN 088 246 467

Page 1 of 2

Cleansing Milk Make-up Remover CSF 140 03/09

## Development formulation

---

Appearance: Glossy white milk	
Viscosity: 6,030 cPs	Stability: 3 months @ 40°C and RT, 1 month @ 50°C

### **Non-warranty**

This formulations presented in this publication has been subjected to limited stability tests and has been shown to perform well. However formulators adopting these approaches should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

Croda Singapore Pte Ltd 30 Seraya Avenue Singapore 627884  
Tel +65 6551 9600 Fax +65 6551 9550 E-mail PAL-SG@croda.com

~~ARBN 088 245 467~~

## Development formulation

### NATURAL FACIAL CLEANSER

**CSF088**

This facial cleanser imparts a soft and velvety skin feel. Cromoist™ 025 is a vegetable derive aids as a powerful skin moisturiser on the skin.

Product / INCI Name	FUNCTIONALITY	% w/w
WATER DEIONISED (AQUA)		58.70
<b>CRODASINIC™ LS 30</b> <sup>1</sup> [AQUA (AND) SODIUM LAUROYL SARCOSINATE]	Mild Cleansing agent	6.00
<b>INCROMAM™ 30</b> <sup>1</sup> [AQUA (AND) COCAMIDOPROPYL BETAINE]	Amphoteric Cleansing agent	14.00
GLYCERIN	Humectant	4.00
PLANTACARE I200 <sup>2</sup> [LAURYL GLUCOCIDE]	Cleansing agent	14.00
<b>CRODESTA™ SL-40</b> <sup>1</sup> [AQUA (AND) SUCROSE COCOATE (AND) ALCOHOL]	Cleansing agent	2.00
<b>CROMOIST™ 025</b> <sup>1</sup> [AQUA (AND) HYDROLYZED OATS]	Conditioning agent	0.50
PRESERVATIVE	Preservative	0.50
CITRIC ACID	pH adjuster	0.15
Total		100.00

Suppliers: - 1: **Croda** 2: Cognis

### Method

1. Heat water to 65-70 deg C. Add the ingredients in the given order to ensure complete dissolution before each addition.
2. Cool down the batch to 40 deg C. Then add Cromoist™ 025 with continuous mixing.
3. Stir to cool then adjust pH.

Appearance: clear, slightly viscous liquid	
Viscosity: 15,640 cps	Stability: 1 month @ 50 deg C, 3 Months @ RT, 40 deg C

### Non-warranty

This formulations presented in this publication has been subjected to limited stability tests and has been shown to perform well. However formulators adopting these approaches should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

Croda Singapore Pte Ltd Product Applications Department 30 Seraya Avenue Singapore 627884

Tel +65 6551 9600 Fax +65 6551 9550 E-mail PAL-SG@croda.com

ARBN 088 345 457

## Development formulation

### NATURAL FACIAL SCRUB

**CSF087**

This facial scrub contains mild detergency and high foaming additive. It also imparts an emollient properties leaving the skin soft smooth after wash. Cromage Passiflora 30, a natural exfoliant derived from passion fruit is used to remove dead skin cells leaving a smoother, softer and healthier looking skin.

Product / INCI Name	FUNCTIONALITY	% w/w
WATER DEIONISED (AQUA)		69.05
KELTROL CG-T <sup>2</sup> (XANTHAN GUM)	Thickener	1.10
<b>CRODASINIC™ LS 30<sup>1</sup></b> [AQUA (AND) SODIUM LAUROYL SARCOSINATE]	Mild Cleansing agent	10.00
<b>INCRONAM™ 30<sup>1</sup></b> [AQUA (AND) COCAMIDOPROPYL BETAINE]	Amphoteric Cleansing agent	10.00
PLANTACARE I 200 <sup>3</sup> [LAURYL GLUCOCIDE]	Cleansing agent	7.00
<b>CRODESTA™ SL-40<sup>1</sup></b> [AQUA (AND) SUCROSE COCOATE (AND) ALCOHOL]	Cleansing agent	2.00
CITRIC CCID	pH adjuster	0.15
<b>CROMAGE PASSIFLORA 30<sup>1</sup></b> [PASSIFLORA EDULIS SEED POWDER (AND) PASSIFLORA INCARNATA SEED POWDER ]	Exfoliating agent	0.20
PRESERVATIVE	Preservative	0.50
Total		100.00

Suppliers: - 1: **Croda** 2: CP Kelco 3: Cognis

### Method

1. Combine all ingredients and heat to 65-70 deg C.
2. Stir to cool then adjust pH.

Appearance: clear, slightly viscous liquid	
Viscosity: 3465 cps	Stability: 1 month @ 50 deg C; 3 months @ RT, 40 deg C

### Non-warranty

This formulations presented in this publication has been subjected to limited stability tests and has been shown to perform well. However formulators adopting these approaches should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

Croda Singapore Pte Ltd Product Applications Department 30 Seraya Avenue Singapore 627884  
Tel +65 6551 9600 Fax +65 6551 9550 E-mail PAL-SG@croda.com

ARBIN 088 345 457

Company Name: **ISP Asia Pacific Pte Ltd**

Formulation Name: **Hydrating Clear Eye Gel with Lubrajel® II XD**

Ref Number: **10586-152-1 (M1)**

### **Product Highlight:**

An elegant clear eye gel that can easily be spread smoothly and evenly on your delicate eye area. Lubrajel gives excellent lubricity and hydration without the tacky feel. Allantoin also soothes and conditions the skin.

Phase	Trade Name	INCI	W/W%
A		Water	82.00
	<sup>1</sup> AMP Ultra	Aminomethylpropanol	0.30
	<sup>2</sup> Stabileze® QM	PVM/MA Decadiene Crosspolymer	0.50
		Disodium EDTA	0.05
	<sup>3</sup> Escalol® 577	Benzophenone-4	0.05
B	<sup>4</sup> Lubrajel® II XD	Glycerin (and) Glyceryl Polyacrylate	3.00
	Sorbitol (Powder)	Sorbitol	3.00
	<sup>5</sup> Liquid Germall® Plus	Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate	0.80
	<sup>6</sup> Allantoin	Allantoin	0.10
C		Water	9.80
		Oleth-20	0.15
		Perfume	0.05

### **Procedure**

1. Add EDTA and Escalol to water with stirring
2. Add Stabileze and stir for 20-40 minutes, until hydrated
3. Reduce the stirring speed and add the AMP
4. Mix the Allantoin in the Sorbitol and add to phase A
5. Add the remaining ingredients of phase B stirring thoroughly between each addition
6. Pre-mix phase C and add to batch
7. Adjust pH to 6.5-7 as required.

### **Supplier**

- 1 Dow Chemical (Angus)
- 2 - 6 ISP

Company Name: **ISP Asia Pacific Pte Ltd**

Formulation Name: **Moisturizing Eye Cream-Gel with Lubrajel® Oil**

Ref Number: **C-S-102001 (M1)**

**Product Highlight:**

Heavier than a gel, lighter than a cream – Experience the light fresh texture of this eye cream-gel which provides good moisture to the usually dry eye area. Lubrajel Oil provides moisturizing, Ceraphyl SLK delivers a silky velvety finish while Vital ET soothes and protects the skin.

Phase	Trade Name	INCI	W/W%	
A		Water	89.90	
		Disodium EDTA	0.10	
		Propylene Glycol	2.00	
	<sup>1</sup> <b>Rapithix™ A-100</b>	Sodium Polyacrylate	0.50	
B	<sup>2</sup> <b>Lubrajel® Oil</b>	Glycerin (and) Glyceryl Acrylate/Acrylic Acid Copolymer (and) Propylene Glycol (and) PVM/MA Copolymer	3.00	
	<sup>3</sup> <b>Ceraphyl® SLK</b>	Isodecyl Neopentanoate	2.00	
	<sup>4</sup> <b>Vital ET®</b>	Disodium Lauriminodipropionate Tocopheryl Phosphates	2.00	
	<sup>5</sup> <b>Liquid Germall® Plus</b>	Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate	0.50	

**Supplier**

1 - 5            ISP



Company Name: **ISP Asia Pacific Pte Ltd**

Formulation Name: **Super Hydrating and Nourishing Face Mask**

Ref Number: **11590-95-1 (M2)**

### **Product Highlight:**

A luxurious facial treat! Restore your skin's hydration levels with this mask formula that contains all the moisture-adding ingredients it needs. Lubrajel and Aquarize promote long term moisture, while Vital ET makes this mask suitable for even the most sensitive of skins.

Phase	Trade Name	INCI	W/W%
A	<sup>1</sup> <b>Stabileze® QM</b>	Water	85.15
		PVM/MA Decadiene Crosspolymer	0.60
		TEA	Triethanolamine
B	<sup>2</sup> <b>Lubrajel® CG</b>	Glycerin (and)	10.00
		Glyceryl Acrylate / Acrylic Acid Copolymer (and) Propylene Glycol	
	<sup>3</sup> <b>Vital™ ET</b>	Disodium Lauriminodipropionate	1.50
		Tocopheryl Phosphates	
	<sup>4</sup> <b>Aquarize™ IS</b>	Water (and) Butylene Glycol	1.00
		(and) Hydrolyzed Rice Extract	
<sup>5</sup> <b>Cotton Bloom™ IS</b>	Water (and) Glycerin (and)	1.00	
	Gossypium Herbaceum (Cotton) Extract		
<sup>6</sup> <b>Optiphen® MIT Plus</b>	Methylisothiazolinone (and)	0.15	
	Phenylethylalcohol (and)		
	PPG-2-Methyl Ether		

### **Procedure**

1. Disperse Stabileze QM in water and mix well until totally hydrated
2. Neutralize with Triethanolamine and obtain a clear gel
3. Add Lubrajel CG and Vital ET, mix well
4. Add the remaining ingredients one by one, mixing after each addition

### **Supplier**

1 - 6            ISP

Company Name: **ISP Asia Pacific Pte Ltd**

Formulation Name: **Hand Sanitizing Gel with UltraThix® P-100**

Ref Number: **11347-84-1**

### **Product Highlight:**

UltraThix P-100 delivers an overall good skin feel to an otherwise stiff and dry hydro-alcoholic formula. For a fast and effective waterless skin cleansing on the go!

Phase	Trade Name	INCI	W/W%
A	<b>UltraThix® P-100</b>	Water	36.14
		Propylene Glycol	2.00
		Triisopropanolamine	0.02
		Acylic Acid/VP Crosspolymer	0.72
B	SD Alcohol 40-B	Ethanol	60.00
		Triisopropanolamine	0.72
C	<b>ISP Captivates™ HC0005</b>	Water (and) Dimethicone (and) Acacia Senegal Gum (and) Gelatin (and) Mica (and) Titanium Dioxide (and) Red 30 (and) Tin Oxide	0.40

### **PROCEDURE**

1. Combine water, TIPA and glycol of phase A with stirring @ RT. Slowly sprinkle UltraThix into phase A @ RT with stirring. Continue stirring @ RT until phase A is uniform
2. Combine phase B, stir @ RT until uniform
3. Slowly add phase B to phase A with stirring @ RT. Continue stirring @ RT until uniform
4. Add phase C with gentle stirring @ RT. Stir @ RT until uniform

### **Physical Properties**

Appearance	Clear Gel
pH	7.38
Viscosity	17,500 cps (Brookfield Model RDV-II, #TC @ 10 RPM)



**DERMOPURIFYING MAKE-UP REMOVER**  
**7104**  
*DEVELOPED IN ACCORDANCE WITH ECOCERT STANDARD*

**MONTANOV™ L** allows the formulation of fluid emulsion that can be Ecocert Compliant. This formulation provides good cleansing properties thanks to the combination of vegetable oils and **PROTEOL™ OAT** and great purifying benefits thanks to the use of **LIPACIDE™ C8G**. This active ingredient allows formulators to reduce the amount of preservatives.

### Formula

<b>A</b> • Water	Up to 100%
• Sclerotium Gum	0,15%
<b>B</b> • Aqua/Water	Up to 30%
• <b>LIPACIDE™ C8G</b> ( <i>Capryloyl Glycine - SEPPIC</i> )	1.00%
• Sodium Hydroxide 48%	Up to pH 5.5
• <b>PROTEOL™ OAT</b> ( <i>Sodium lauroyl OAT aminoacids - SEPPIC</i> )	2.00%
• Glycerin	2.00%
<b>C</b> • <b>MONTANOV™ L</b> ( <i>C14-22 Alcohol And C12-20 Alkylglucoside - SEPPIC</i> )	4.00%
• Caprylic/Capric Triglyceride	4.00%
• Squalane	4.00%
• <i>Corylus Avellana</i> (Hazel) Seed Oil*	2.00%
• <i>Cocos Nucifera</i> (Coconut) Oil*	4.00%
• <i>Prunus Amygdalus Dulcis</i> (Sweet Almond) Oil*	2.00%
• Beeswax	0.30%
<b>D</b> • Water and <i>Hordeum Vulgare</i> Extract*	10.00%
• Dehydroacetic Acid and Benzyl Alcohol	0.60%
• Tocopherol	0.10%

### Manufacturing Procedure (Pilot - Trimix - 5kg)

Incorporate the water of phase A into the main tank. Disperse Sclerotium gum and stir until the gel is made. Heat the gel up to 80°C.

In a separate vessel, prepare phase B (heat the water up to 80°C, add phase B remaining ingredients in order listed and stir until the solution is clear). Add phase B onto phase A and mix well.

Heat phase C up to 80°C and add phase C onto Phase A+B and start emulsifying. Start cooling down. At 40°C, add phase D ingredients in order listed and mix well.

### Comments

#### LIPACIDE™ C8G

Glycine biovector and skin acidifying agent, it protects the skin and helps maintain its ecosystem. It also protects cosmetic products by increasing the microbiological stability of formulas with a low preservative content.

#### PROTEOL™ OAT

Surfactant based on essential amino acids of oats. It is very useful as a pigment-dispersing agent in make-up formulas. It has good foaming and wetting properties yet does not dry out the skin (does not affect TEWL). Due to its high skin tolerance level,

SEPPIC SA  
33(0) 1 55 91 57 00

SEPPIC Inc  
1 973 882 5597

SEPPIC UK Ltd  
44 208 577 6800

SEPPIC Italia Srl  
39 02 38009110

SEPPIC Asia Singapore  
65 6278 6711

Givaudan Lavirrotte SA  
33(0) 4 78 61 55 00

SEPPIC China  
86(21) 64 66 01 49

SEPPIC GmbH  
49(0) 220 3890 3100

SEPPIC Belgium NV  
32 3 250 3911



PROTEOL OAT is especially well-suited for formulas intended for delicate skin. It generates a rich, creamy foam.

## MONTANOV™ L

Glucolipid emulsifier in harmony with nature. MONTANOV L is especially useful to produce fluid formulas whatever the type or quantity of oil phase used. MONTANOV L has a shear-thinning profile that is stable over time and well-adapted to the formulation of sprayable emulsions. It offers easy stabilization in the presence of hydrosoluble active ingredients that are rich in electrolytes. MONTANOV L can promote liquid crystals according to the emulsion diagram, creating water reservoirs within the emulsion to help maintain skin moisturization. In combination with the other grades of the MONTANOV range, it can be used to modulate the texture and flexibility of the emulsions as desired. MONTANOV L is fully adapted to produce emulsions with any kind of texture fluid or thick.

## Characteristics

Appearance	Thin white emulsion
pH	5.68
Viscosity after 1 month at RT	3,580 mPa.s BROOKFIELD LV2 speed 6
Viscosity after 1 month at 45°C	2,655 mPa.s BROOKFIELD LV2 speed 6
Viscosity recovery at RT (after 1 month at 45°C)	4,800 mPa.s BROOKFIELD LV3 speed 6
Stability	> M1 at RT and 45°C > M1 after freeze-thaw cycles - 5 / + 40°C Stable after 20' centrifugation at 3000 rpm at RT Stable after 18h at -18°C

## Notes

Squalane : Phytosqualane (Sophim)  
Tocopherol : Dermofeel Toco 70 (Dr. Straetmans)  
Dehydroacetic Acid and Benzyl Alcohol : Geogard 221 (Lonza)  
Water and *Hordeum Vulgare* Extract : Eau de jeunes pousses d'orge bio (SONIAM)  
*Corylus Avellana* (Hazel) Seed Oil (HUILES BERTIN)  
*Cocos Nucifera* (Coconut) Oil (HUILES BERTIN)  
*Prunus Amygdalus Dulcis* (Sweet Almond) Oil (HUILES BERTIN)  
Sclerotium Gum : Amigum (ALBAN MULLER)

## 7104 - SEPPIC - 0903

*All information contained herein is intended merely to demonstrate the utility of SEPPIC products, and should not be construed as granting license to practice any compositions or methods covered by a patent or a patent application.*

*All information contained in this specific technical documentation is believed to be accurate and has been set up by SEPPIC according to its own described methods and processes.*

*SEPPIC however does not assume any liability or risks involved in the use of its products for the preparation and the assessment of the hereinabove formulation since the condition of use are beyond its control. SEPPIC customer must insure that the duplication of the hereinabove formulation is not infringing any intellectual property rights and that it complies with any regulatory status.*

SEPPIC SA  
33(0) 1 55 91 57 00

Givaudan Lavitrotte SA  
33(0) 4 78 61 55 00

SEPPIC Inc  
1 973 882 5597

SEPPIC China  
86(21) 64 66 01 49

SEPPIC UK Ltd  
44 208 577 6800

SEPPIC GmbH  
49(0) 220 3890 3100

SEPPIC Italia Srl  
39 02 38009110

SEPPIC Belgium NV  
32 3 250 3911

SEPPIC Asia Singapore  
65 6278 6711



## "FIDELE" EYE SHADOW 7054

### Valorization of Sepisoft SP use in make-up formula

#### Formula

<b>A • SEPIISOFT™ SP</b> ( <i>Polymethylmethacrylate and Sodium acrylate/Sodium acryloyl dimethyl taurate copolymer and Isohexadecane – Seppic</i> )	3.00%
• Mica	51.70%
• Talc	33.00%
• Mica and Titanium Dioxide and Carmine	5.00%
• Calcium Aluminum Borosilicate and Silica and Titanium Dioxide and Tin Oxide	2.00%
• Blue 1 Lake	0.10%
• Red 7 Lake	0.20%
<b>B • Polyisobutene</b>	2.50%
<b>C • Dimethicone</b>	2.50%

#### Manufacturing Procedure (lab – crusher IKA M20 + compression KENWALL – 35g)

Weight all the powders of phase A then crush them 2 x 15 seconds in a crusher – Add Polyisobutene then crush again as with phase A – Add Dimethicone then crush again as in phase A – Press the powder obtained in cups with a 120 bars pression

#### Comments

##### SEPIISOFT™ SP

An innovative functional PMMA for a "3D" texturing effect : skin feel–stability–adhesion. SEPIISOFT SP is a multifunctional powder ; easily dispersible in aqueous & oil-based medium, the SEPIISOFT SP offers in first a powdery softness and a silky finish to all your formulas, liquids, solids or powders. Introduced in continuous aqueous media, its also brings a stabilizing effect allowing to create innovative & stable self-suspensions and "Pickering" emulsions without any surfactant. SEPIISOFT SP reveals its third winning card in powder formulas : strengthened adhesion of the powders on the skin leading to more intense colour and long lasting effect.

#### Characteristics

Appearance  
Stability

purple pressed powder  
> M3 at RT and 45°C

#### Notes

SEPPIC SA  
33(0) 1 55 91 57 00

SEPPIC Inc  
1 973 882 5597

SEPPIC UK Ltd  
44 208 577 8800

SEPPIC Italia Srl  
39 02 38009110

SEPPIC Asia Singapore  
65 6278 6711

Givaudan Lavirotte SA  
33(0) 4 78 61 55 00

SEPPIC China  
86(21) 64 66 01 49

SEPPIC GmbH  
49(0) 220 3890 3100

SEPPIC Belgium NV  
32 3 250 3911



Mica: Mica 1000 (SCIAMA)

Talc: Talc 00C (LUZENAC)

Mica and Titanium Dioxide and Carmine : Colorona Magenta (MERCK)

Calcium Aluminum Borosilicate and Silica and Titanium Dioxide and Tin Oxide : Ronastar Noble Sparks (MERCK)

Blue 1 Lake: FD&C Blue 1 Aluminium Lake W 047 (LCW – Sensient Cosmetic Technologies)

Red 7 Lake: D&C Red No.7 Aluminium Lake (LCW – Sensient Cosmetic Technologies)

Dimethicone : Dow Corning 200–350 Fluid (DOW CORNING)

## 7054 – SEPPIC – 0806

*All information contained herein is intended merely to demonstrate the utility of SEPPIC products, and should not be construed as granting license to practice any compositions or methods covered by a patent or a patent application.*

*All information contained in this specific technical documentation is believed to be accurate and has been set up by SEPPIC according to its own described methods and processes.*

*SEPPIC however does not assume any liability or risks involved in the use of its products for the preparation and the assessment of the hereinabove formulation since the condition of use are beyond its control. SEPPIC customer must insure that the duplication of the hereinabove formulation is not infringing any intellectual property rights and that it complies with any regulatory status.*

SEPPIC SA  
33(0) 1 55 91 57 00

SEPPIC Inc  
1 973 882 5597

SEPPIC UK Ltd  
44 208 577 8800

SEPPIC Italia Srl  
39 02 38009110

SEPPIC Asia Singapore  
65 6278 6711

Givaudan Lavirotte SA  
33(0) 4 78 61 55 00

SEPPIC China  
86(21) 64 66 01 49

SEPPIC GmbH  
49(0) 220 3890 3100

SEPPIC Belgium NV  
32 3 250 3911

## W/O LIQUID FOUNDATION L95104

**EASYNNOV™ gives soft and silky texture without tacky effect in W/O foundation.**

### Formula

<b>A</b>	• <b>EASYNNOV™</b> ( <i>Octyldodecanol and Octyldodecanol Xyloside and PEG30-Dipolyhydroxystearate - SEPPIC</i> )	4.00%
	• Beeswax	1.00%
	• Hydrogenated castor oil	0.50%
	• Zinc stearate	1.00%
	• <b>LANOL™ 99</b> ( <i>Isononyl Isononanoate – SEPPIC</i> )	5.00%
	• 2-Ethylhexyl palmitate	8.00%
	• Caprylic capric triglyceride	6.00%
	• C12-15 alkyl benzoate	4.00%
	• Dimethicone	1.00%
	• Dimethiconol	2.00%
	• Alumina-silane coated anatase titanium dioxide	7.00%
	• Silane coated talc	1.50%
	• <b>SEPIOSOFT™ SP</b> ( <i>Polymethyl methacrylate &amp; Sodium acrylate/Sodium acryloyldimethyl taurate copolymer &amp; Isohexadecane - SEPPIC</i> )	0.50%
	• Micronized triethoxycaprylylsilane coated red iron oxide	0.14%
• Micronized triethoxycaprylylsilane coated yellow iron oxide	0.22%	
• Micronized triethoxycaprylylsilane coated black iron oxide	0.05%	
• Montmorillonite	0.60%	
• <b>SEPICIDE™ HB</b> ( <i>Phenoxyethanol/methylparaben/ethylparaben/propylparaben/butylparaben – SEPPIC</i> )	1.00%	
<b>B</b>	• Water	Up to 100%
	• Glycerine	5.00%
	• Propylene glycol	5.00%
	• MgSO4.7H2O	1.00%
<b>C</b>	• Fragrance	0.20%

### Manufacturing Procedure (Lab – Silverson Rotor Stator – 300g)

1. Weigh liquid oils and powders in part A and homogenize the mixture with Silverson 4500rpm for 6 min. 2. Add other ingredients in part A and heat part A and part B at 80~85°C. 3. Put part A+C under Silverson 4500~5000rpm, add part B to part A slowly in 1 minute, continue homogenizing 4500rpm for 7 minutes. 4. Cool down without water bath with anchor mixer at 100rpm during 10min. 5. Stir the emulsion with cool water bath at 100rpm. 6. Stop stirring at 30°C.

### Comments



## EASYNOV™

EASYNOV™ is a liquid lipophilic emulsifier. It allows to develop Water-in-Oil emulsions without wax and thus gives soft and silky texture without tacky effect. Thanks to its liquid form, the emulsions can be prepared by a cold process.

## SEPIISOFT™ SP

An innovative functional PMMA for a “3D” texturing effect : skin feel-stability-adhesion. SEPIISOFT™ SP is a multifunctional powder ; easily dispersible in aqueous & oil-based medium, the SEPIISOFT™ SP offers in first a powdery softness and a silky finish to all your formulas, liquids, solids or powders. Introduced in continuous aqueous media, its also brings a stabilizing effect allowing to create innovative & stable self-suspensions and “Pickering” emulsions without any surfactant. SEPIISOFT™ SP reveals its third winning card in powder formulas : strengthened adhesion of the powders on the skin leading to more intense colour and long lasting effect.

## Characteristics

Appearance	Pink smooth emulsion
Viscosity at RT	29,200 mPa.s BROOKFIELD LV3 6rpm
Viscosity after 1 month at 48°C	16,000 mPa.s BROOKFIELD LV3 6rpm
Viscosity recovery (after 1 month at 48°C)	35,000 mPa.s BROOKFIELD LV4 6rpm
Stability	> M1 at room temp., -18°C and 45°C > M1 after freeze-thaw cycles at -18 / +45°C

## Notes

Dimethicone : DC 200/350cst (Dowcorning)  
Dimethiconol: DC 1501 Fluid (Dowcorning)  
Hydrogenated castor oil: Castorwax (Vertellus)  
Alumina-silane coated anatase titanium dioxide: Kemira AC 360 (Kemira)  
Silane coated talc: Silane coated tale (XianGuang)  
Micronized triethoxycaprylylsilane coated red iron oxide: Unipure red LC 381 AS-EM(SENSIENT)  
Micronized triethoxycaprylylsilane coated yellow iron oxide: Unipure yellow LC 182 AS-EM(SENSIENT)  
Micronized triethoxycaprylylsilane coated black iron oxide: Unipure black LC 989 AS-EM(SENSIENT)  
Montmorillonite: Claytone 40 (Rockwood)  
Fragrance : Frag 279954 (Drom)

## L95104 – SEPPIC – 0916A

*All information contained herein is intended merely to demonstrate the utility of SEPPIC products, and should not be construed as granting license to practice any compositions or methods covered by a patent or a patent application.*

*All information contained in this specific technical documentation is believed to be accurate and has been set up by SEPPIC according to its own described methods and processes.*

*SEPPIC however does not assume any liability or risks involved in the use of its products for the preparation and the assessment of the hereinabove formulation since the condition of use are beyond its control. SEPPIC customer must insure that the duplication of the hereinabove formulation is not infringing any intellectual property rights and that it complies with any regulatory status.*

SEPPIC SA  
33(0) 1 55 91 57 00

SEPPIC Inc  
1 973 882 5597

SEPPIC UK Ltd  
44 208 577 8800

SEPPIC Italia Srl  
39 02 38009110

SEPPIC Asia Singapore  
65 6278 6711

Givaudan Lavitrotte SA  
33(0) 4 78 61 55 00

SEPPIC China  
86(21) 64 66 01 49

SEPPIC GmbH  
49(0) 220 3890 3100 32 3 250 3911

SEPPIC Belgium NV



**Company Name : SINERGA**  
**Formulation name: GLAM TWILIGHT CREAM**  
**Reference number 5**  
**Contact name : g.guglielmini@sinerga.it**

Trade Name	INCI Name	Phase	%	Supplier
<b>NANOCREAM</b>	Potassium Lauroyl Wheat Amino Acids, Palm Glycerides, Capryloyl Glycine	B	2,00	SINERGA
<b>PHYTOCREAM 2000</b>	Potassium Palmitoyl Hydrolyzed Wheat Protein, Glyceryl Stearate, Cetearyl Alcohol		10,00	SINERGA
	Dicaprylyl Ether		6,00	
	C 12-15 Alkyl Benzoate		5,00	
Yellow pigment	Yellow iron oxide (CI 77492)		0,05	
	Tocopheryl Acetate		0,30	
WATER	Water	A	Up to 100	
	Sodium carbomer		0,60	
	Disodium EDTA		0,10	
	Dimethicone	C	1,00	
	Cyclopentasiloxane Dimethicone/Vinyl dimethicone crosspolymer		3,00	
MCI-MI	Methylchloroisothiazolinone, Methylisothiazolinone	D	0,05	SINERGA
GRAM 1	Imidazolidinyl urea	E	0,30	SINERGA
<b>RED ALGA GEL</b>	Algae	F	5,00	SINERGA
<b>TYROSTAN</b>	Potassium Caproyl Tyrosine	G	2,00	SINERGA
<b>TREALIX</b>	Trehalose, Hydrolyzed Vegetable Protein	H	2,00	SINERGA
	Fragrance	I	0,30	
Timica golden bronze	mica (C.I 77019), titanium dioxide (C.I 77891), iron oxide (C.I. 77492)	L	3,00	
Timica gold sparkle	mica (C.I 77019), titanium dioxide (C.I 77891), iron oxide (CI 77492)	M	0,20	
	Polyacrylamide, C13-14 Isoparaffin, laureth-7	N	0,50	
Fiori di pepe (M&M)	Fragrance		0,30	

Characteristics	
Aspect	Consistent Emulsion
Colour	Gold
Odour	Characteristic
pH	6,5
Viscosity Viscotester VT-02	4500

Method	
Weight phase A and heat to 70°C. Add EDTA and dissolve pnc 400 under stirring (less 2% water). Prepare phase B, heating up to 65°/70° C until completely homogeneous system. Add B to A under homogenizer until homogenous emulsion. Cool down with stirring and at 50°C add phase C and D, previously prepared under homogenizer. Continue to cool down the emulsion and at 30°C add the remaining components F,G,H,I,L,M – remind to disperse E into 2% water. Add N under homogenizer until desired viscosity.	



**Company Name : SINERGA**  
**Formulation name: SLIMMING TREATMENT**  
**Reference number 6**  
**Contact name : g.guglielmini@sinerga.it**

	INCI Name	Trade Name	%	Supplier
A	PRUNUS AMYGDALUS DULCIS EXTRACT	<b>MANDORWAX</b>	3,00	<b>Sinerga</b>
	PEG-7 GLYCERYL COCOATE/OLEATE		5,00	
	COCAMIDOPROPYL BETAINE		2,50	
B	IRON OXIDE		q.b	
C	CALCIUM CARBONATE		10,00	
	KAOLIN		10,00	
	SILICA		2,50	
	HECTORITE, HYDROXYETHYLCELLULOSE		1,50	
	HYDROXYETHYLCELLULOSE			
D	<b>PHENETHYL ALCOHOL, CAPRYLYL GLYCOL</b>	<b>FENIOL</b>	2,00	<b>Sinerga</b>
E	ETHYL XIMENYNATE, LECITHIN	<b>X-SOLVE</b>	5,00	
F	TREHALOSE, HYDROLYZED VEGETABLE PROTEIN	<b>TREALIX</b>	,50	<b>Sinerga</b>
G	PARFUM		0,50	

Characters	
Aspect	<b>Liquid paste</b>
Colour	<b>Ivory</b>
pH	<b>8,00</b>
Viscosity 20°C	<b>30.000 Mpa.S</b>

### **PROCEDURE**

- A:** Heat 9,11,12 at 70°C  
**B:** Disperse 14 in A under homomixer  
**C:** Disperse 2,3,5,6,7 in 1 and heat at 65-70°C under homomixer  
**D:** Mix B to C under homomixer and warm up to 50°C  
**E:** Add 4,13 to D under mixing  
**F:** Warm up to 40°C and add 8,10 until consistency

**Company Name : SINERGA**

**Formulation name: MORNING CRYSTAL WATER**

Reference number 7

Contact name : g.guglielmini@sinerga.it

Trade Name	INCI Name	Phase	%	Supplier
NATISOL	Cocoyl Proline	A	1,50	SINERGA
nude 13610 (AGF)	Parfum		0,09	
WATER	Aqua	B	92,30	
	Disodium Edatate		0,10	
MCI-MI	Methylchloroisothiazolinone, Methylisothiazolinone		0,50	SINERGA
TREALIX	Trehalose, Hydrolyzed Vegetable Protein	C	1,00	SINERGA
ELASTOCELL	Lysine Carbowymethyl Cysteinate	D	5,00	SINERGA

Characteristics	
Aspect	Clear Solution
Colour	Pale Yellow
Odour	Characteristic
pH	6,00

Method
Weight phase A and mix until homogeneous system. Weight phase B and heat to 30°C. Add B to A under stirring. Then add C and D.

**Company Name : SINERGA**  
**Formulation name: FOUNDATION EMULSION O/W**  
**Reference number 8**  
**Contact name : g.guglielmini@sinerga.it**

	INCI Name	Trade Name	%	Supplier
A	<b>Potassium Palmitoyl Hydrolyzed Wheat Protein , Glyceryl Stearate, Cetearyl alcohol</b>	<b>PHYTOCREAM 2000</b>	10.00	<b>Sinerga</b>
	Dicaprylyl Ether		3.00	
	Caprylic/Capryc Triglycerides		200	
	C 12-15 Alkyl Benzoate		500	
	Propylene Glycol		2.50	
	Tocopherol, lecithin, ascorbyl palmitate, citric acid		0.10	
B	Titanium dioxide		7.00	
	Pigments		1.60	
	Talc		3.70	
C	Xanthan Gum		0.20	
	Water		to 100	
	Preservatives		q.s	
D	<b>Algae extract</b>	<b>RED ALGA GEL</b>	3.00	<b>Sinerga</b>
E	<b>Lysine Carboxymethyl Cysteinate, Lysine Thiazolidine Carboxylate</b>	<b>TIOLISINA COMPLEX 30</b>	5.00	<b>Sinerga</b>
F	Parfum		0.3	

Characters	
Aspect	<b>Consistent Emulsion</b>
Colour	<b>pigmented</b>
pH	<b>6.0</b>
Viscosity	<b>8000 mPas</b>

#### Method

Melt phase A at 70°C  
 Disperse phase B in phase A  
 Dissolve phase C and heat at 70°C  
 Mix phase A+B into phase C under homomixer  
 Cool down at 40°C whilst stirring  
 Add to emulsion D,E and F



**Company Name : SINERGA**  
**Formulation name: TAN MANTAINING DRY OIL**  
**Reference number 11**  
**Contact name : g.guglielmini@sinerga.it**

N°	TRADE NAME	INCI NAME	%	SUPPLIER
A	SF1202	Cyclopentasiloxane	72,00	
	CERAPHYL 230	Diisopropyl Adipate	5,00	
	FINSOLV TN	C <sub>12-15</sub> Alkyl Benzoate	5,00	
	DRAGOXAT EH	Ethylhexyl Ethylhexanoate	5,00	
	PARSOL MCX	Ethylhexyl Methoxycinnamate	8,00	
B	<b>TYROSINOL</b>	<b>Caproyl Tyrosine</b> <b>Sorbitan Isostearate</b> <b>Glyceryl Oleate</b>	5,00	SINERGA
C	FRAGRANCE	PARFUM	0,20	

#### PROCEDURE

Mix A until homogeneous . Add B to A and the add C to AB



**Company Name : SINERGA**

**Formulation name: BODY ELIXIR**

**Reference number 14**

**Contact name : g.guglielmini@sinerga.it**

N°	INCI NAME	TRADE NAME	%	SUPPLIER
A	<i>Potassium Lauroyl Wheat Amino Acids, Palm Glyceryde , Capryloyl glycine, Aqua</i>	NANOCREAM	5,00	SINERGA
	<i>Tocopheryl acetate</i>		0,20	
	<i>Dicaprylyl Ether</i>		10,00	
	<i>Retinyl palmitate</i>		0,1	
	<i>Fragrance</i>		0,50	
	<i>Phenoxyethanol, Methylparaben, Propylparaben, Butylparaben, Ethylparaben</i>	FENOSSIPARABEN	0,50	SINERGA
B	<i>Aqua</i>		25,00	
C	<i>Panthenol, Glycerin</i>		0,50	
	<i>Imidazolidinyl Urea</i>	GRAM 1	0,30	SINERGA
	<i>Disodium EDTA</i>		0,10	
	<i>Aqua</i>	Purified water	qb 100	
D	<i>Hamamelis Virginiana</i>	Hamamelis Distilled water	10,00	
E	<i>Trehalose, Hydrolyzed Vegetable Protein</i>	TREALIX	2,00	SINERGA

## Procedure

**MIX phase A and heat at 70°C.**

**Heat phase B at the same temperature.**

**Add phase B into phase A. Stir until homogeneous A Nanoemulsion (>300 nm) is easily obtained**

**Dissolve phase C into remaining part of water and then add to phase B+A. Stir until homogeneous while cooling .**

### CHARACTERS

Aspetto: fluid emulsion

Colore : milky

Odore : characteristic

pH : 6.2

Viscosity (at 25°C) : 100 mPa.s