

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
VISCOSITY (mPa.s)		18.000 – 20.000		
Brk, RVDV-E, Sp 4, 10 RPM				
pH (100%)		6,0 – 7,0		

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;

Hand Cleanser – Alcohol Based

Formulation number: CPD054-09-02

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

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
I	Cetearyl Olivatate (and) Sorbitan Olivatate	OLIVEM® 1000	4.00	Emulsifier/ Liquid Crystal Promoter
	Cetyl Palmitate (and) Sorbitan Palmitate (and) Sorbitan Olivatate	OLIWAX® LC	1.50	Stabilizing Agent
	Ethyhexyl Olivatate	SENSOLENE®	2.00	Emollient
	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
II	EDTA		0.10	Chelant Agent
	Alfa-Tocopherol		0.30	Antioxidant Agent
III	Dimethicone		2.00	Emollient
	Water		Up to 100.00	
IV	Glycerin		3.00	Humectant
	Xanthan Gum		0.30	Thickener
IV	Microcrystalline Cellulose, Carboxymethyl Cellulose		0.80	Stabilizing Agent
	Olea Europaea (Olive) Leaf Extract (and) Water	EUROL® BT	0.50	Active Ingredient
	Preservative		a.n.	Preservative
	Perfume		a.n.	Perfume
VISCOSITY (mPa.s)		4000 – 6000		
Brk,DV-E, Spindle 5, 20 rpm				
pH (100%)		6,0 – 7,0		

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
VISCOSITY (mPa.s)		unmeasurable		
Brk, RVDV-E				
pH(100%)		6,0 – 6,5		

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	Cetearyl Olivatate (and) Sorbitan Olivatate	OLIVEM® 1000	6.00	Emulsifier/Liquid Crystal Promoter
	Sorbitan Olivatate	OLIVEM® 900	20.00	Emulsifier
	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.
	Appearance		<i>Opaque lotion</i>
	Viscosity (Brookfield RVF, 23 °C, spindle 4, 10rpm)		<i>2,000 mPas</i>
	pH		<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).

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

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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
PART A		
DEIONISED WATER	Diluent	To 100.00
PPG-20 METHYL GLUCOSE ETHER	Humectant	1.00
OPTA-SENSE™ RMA-IS ¹ [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
CRODAMAZON™ MARACUJA ¹ [PASSIFLORA EDULIS (AND) PASSIFLORA INCARNATA]	Emollient	2.00
CRODAROM™ VITAMIN AEF O/S ² [ISOPROPYL MYRISTATE (AND) GLYCINE SOJA OIL (AND) CARTHAMUS TINCTORIUS (SAFFLOWER) SEED OIL (AND) LINOLEIC ACID (AND) TOCOPHERYL ACETATE (AND) RETINYL PALMITATE]	Antioxidant	1.00
CRODAROM™ EUCALYPTUS ² [PROPYLENE GLYCOL (AND) WATER (AND) EUCALYPTUS GLOBULUS LEAF EXTRACT]	Extract	1.00
CRODAROM™ PEPPERMINT ² [PROPYLENE GLYCOL (AND) WATER (AND) MENTHA PIPERITA LEAF EXTRACT]	Extract	1.00
PHENOVA ² [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.

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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

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Development formulation

ANALGESIC RUB CREAM

CSB139

Product / INCI Name	FUNCTIONALITY	% w/w
DEIONISED WATER [AQUA]		To 100.00
MixXIN ME ¹ [CAPRYLIC/CAPRIC TRIGLYCERIDES (AND) GLYCOL STEARATE (AND) PEG-3 GLYCERYL COCOATE (AND) STEARETH-7]	Emulsifying Complex	8.00
METHYL SALICYLATE ²	Active Ingredient	15.00
MENTHOL CRYSTAL	Active Ingredients	5.00
CAMPHOR	Active Ingredients	3.00
PROCETYL TM AWS ¹ [PPG-5 CETETH-20]	Solubiliser	3.00
PRESERVATIVE	Preservative	0.10
OPTA SENSE TM RMA-IS ¹ [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 ProcetylTM AWS then mix.
3. Gradually add water with moderate mixing until homogeneous.
4. Add OptaSenseTM 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

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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
MIXXIN ME PRESERVED ¹ [CAPRYLIC/CAPRIC TRIGLYCERIDES (AND) GLYCOL STEARATE (AND) PEG-3 GLYCERYL COCOATE (AND) STEARETH-7]	Emulsifying Complex	8.00
CRODAMOL™ PMP ¹ [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
PHENOVA ² [PHENOXYETHANOL (AND) METHYLPARABEN (AND) ETHYLPARABEN (AND) BUTYLPARABEN (AND) PROPYLPARABEN (AND) ISOBUTYLPARABEN]	Preservative	0.50
OPTASENSE™ RMA-IS ¹ [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

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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

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~~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
CRODASINIC™ LS 30¹ [AQUA (AND) SODIUM LAUROYL SARCOSINATE]	Mild Cleansing agent	6.00
INCRONAM™ 30¹ [AQUA (AND) COCAMIDOPROPYL BETAINE]	Amphoteric Cleansing agent	14.00
GLYCERIN	Humectant	4.00
PLANTACARE I200 ² [LAURYL GLUCOCIDE]	Cleansing agent	14.00
CRODESTA™ SL-40¹ [AQUA (AND) SUCROSE COCOATE (AND) ALCOHOL]	Cleansing agent	2.00
CROMOIST™ 025¹ [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

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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 ² (XANTHAN GUM)	Thickener	1.10
CRODASINIC™ LS 30¹ [AQUA (AND) SODIUM LAUROYL SARCOSINATE]	Mild Cleansing agent	10.00
INCRONAM™ 30¹ [AQUA (AND) COCAMIDOPROPYL BETAINE]	Amphoteric Cleansing agent	10.00
PLANTACARE I 200 ³ [LAURYL GLUCOCIDE]	Cleansing agent	7.00
CRODESTA™ SL-40¹ [AQUA (AND) SUCROSE COCOATE (AND) ALCOHOL]	Cleansing agent	2.00
CITRIC CCID	pH adjuster	0.15
CROMAGE PASSIFLORA 30¹ [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

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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
	¹ AMP Ultra	Aminomethylpropanol	0.30
	² Stabileze® QM	PVM/MA Decadiene Crosspolymer	0.50
		Disodium EDTA	0.05
	³ Escalol® 577	Benzophenone-4	0.05
B	⁴ Lubrajel® II XD	Glycerin (and) Glyceryl Polyacrylate	3.00
	Sorbitol (Powder)	Sorbitol	3.00
	⁵ Liquid Germall® Plus	Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate	0.80
	⁶ 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
	¹ Rapithix™ A-100	Sodium Polyacrylate	0.50
B	² Lubrajel® Oil	Glycerin (and)	3.00
		Glyceryl Acrylate/Acrylic Acid Copolymer (and)	
		Propylene Glycol (and)	
	³ Ceraphyl® SLK	PVM/MA Copolymer	
		Isodecyl Neopentanoate	2.00
	⁴ Vital ET®	Disodium Lauriminodipropionate	2.00
	Tocopheryl Phosphates		
⁵ Liquid Germall® Plus	Propylene Glycol (and)	0.50	
	Diazolidinyl Urea (and) Iodopropynyl		
	Butylcarbamate		

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	¹ Stabileze® QM	Water	85.15
		PVM/MA Decadiene Crosspolymer	0.60
		TEA	0.60
B	² Lubrajel® CG	Glycerin (and)	10.00
		Glyceryl Acrylate / Acrylic Acid Copolymer (and) Propylene Glycol	
	³ Vital™ ET	Disodium Lauriminodipropionate	1.50
		Tocopheryl Phosphates	
	⁴ Aquarize™ IS	Water (and) Butylene Glycol	1.00
		(and) Hydrolyzed Rice Extract	
⁵ Cotton Bloom™ IS	Water (and) Glycerin (and)	1.00	
	Gossypium Herbaceum (Cotton) Extract		
⁶ Optiphen® MIT Plus	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	UltraThix® P-100	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	ISP Captivates™ HC0005	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

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

MONTANOV™ L

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

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

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"FIDELE" EYE SHADOW 7054

Valorization of Sepisoft SP use in make-up formula

Formula

A • SEPIESOFT™ SP (<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 • Polyisobutene	2.50%
C • Dimethicone	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

SEPIESOFT™ SP

An innovative functional PMMA for a "3D" texturing effect : skin feel–stability–adhesion. SEPIESOFT SP is a multifunctional powder ; easily dispersible in aqueous & oil-based medium, the SEPIESOFT 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. SEPIESOFT 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

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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

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W/O LIQUID FOUNDATION L95104

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

Formula

A	• EASYNNOV™ (<i>Octyldodecanol and Octyldodecanol Xyloside and PEG30-Dipolyhydroxystearate - SEPPIC</i>)	4.00%
	• Beeswax	1.00%
	• Hydrogenated castor oil	0.50%
	• Zinc stearate	1.00%
	• LANOL™ 99 (<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%
	• SEPIOSOFT™ SP (<i>Polymethyl methacrylate & Sodium acrylate/Sodium acryloyldimethyl taurate copolymer & 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%	
• SEPICIDE™ HB (<i>Phenoxyethanol/methylparaben/ethylparaben/propylparaben/butylparaben – SEPPIC</i>)	1.00%	
B	• Water	Up to 100%
	• Glycerine	5.00%
	• Propylene glycol	5.00%
	• MgSO4.7H2O	1.00%
C	• 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

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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
NANOCREAM	Potassium Lauroyl Wheat Amino Acids, Palm Glycerides, Capryloyl Glycine	B	2,00	SINERGA
PHYTOCREAM 2000	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
RED ALGA GEL	Algae	F	5,00	SINERGA
TYROSTAN	Potassium Caproyl Tyrosine	G	2,00	SINERGA
TREALIX	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	MANDORWAX	3,00	Sinerga
	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	PHENETHYL ALCOHOL, CAPRYLYL GLYCOL	FENIOL	2,00	Sinerga
E	ETHYL XIMENYNATE, LECITHIN	X-SOLVE	5,00	
F	TREHALOSE, HYDROLYZED VEGETABLE PROTEIN	TREALIX	,50	Sinerga
G	PARFUM		0,50	

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

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	Potassium Palmitoyl Hydrolyzed Wheat Protein , Glyceryl Stearate, Cetearyl alcohol	PHYTOCREAM 2000	10.00	Sinerga
	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	Algae extract	RED ALGA GEL	3.00	Sinerga
E	Lysine Carboxymethyl Cysteinate, Lysine Thiazolidine Carboxylate	TIOLISINA COMPLEX 30	5.00	Sinerga
F	Parfum		0.3	

Characters	
Aspect	Consistent Emulsion
Colour	pigmented
pH	6.0
Viscosity	8000 mPas

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 ₁₂₋₁₅ Alkyl Benzoate	5,00	
	DRAGOXAT EH	Ethylhexyl Ethylhexanoate	5,00	
	PARSOL MCX	Ethylhexyl Methoxycinnamate	8,00	
B	TYROSINOL	Caproyl Tyrosine Sorbitan Isostearate Glyceryl Oleate	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