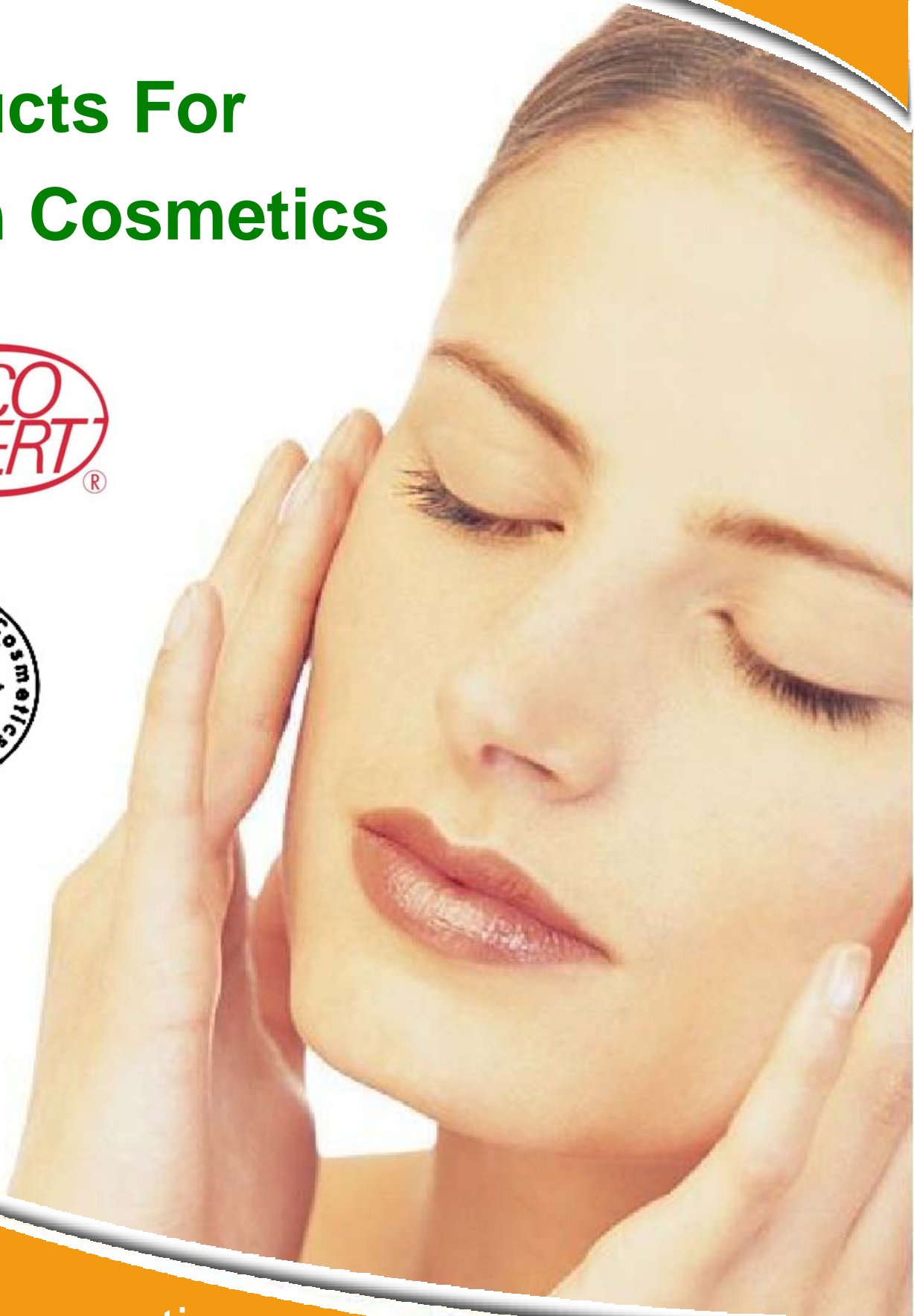


ELEMENTIS

SPECIALTIES

Products For Green Cosmetics



pure in cosmetics

www.elementis-specialties.com



Clays for Aqueous Phase Thickening

BENTONE[®] MA

- >95% Hectorite
- Suspension control
- Oil absorption
- Thixotropic flow

BENTONE[®] EW

- >99% Hectorite
- Easy to incorporate
- Enhanced thickening and suspension
- Thixotropic flow

Organic Phase Thickener

THIXCIN[®] R

- Trihydroxystearin as stiffening agent for lipsticks and ointments

Performance

- Shear-thinning viscosity
- Thermostable viscosity
- Superior emulsion stability
- Excellent skin feel
- Improved application

Applications

- Skin Care
- Colour Cosmetics
- Facial Masks
- Antiperspirants

Intensive Care Body Wash

BY3129/34

Advantages

The presence of BENTONE® EW rheological additive in this system:

- Imparts viscosity
- Improves storage stability
- Formulation is PEG and Sulfate free
- Formulation is made with 97% Natural Ecocert approved materials



Ingredient	Supplier	% w/w
PHASE A		
BENTONE® EW (Hectorite)	ELEMENTIS Specialties	1.5
Deionised Water		54.05
Vegetable Glycerin	UPI	3.0
PHASE B		
Plantacare 2000 UP (Decyl Glucoside)	Cognis	10.0
Plantacare 1200 UP (Lauryl Glucoside)	Cognis	8.0
Tego Betain F50 (Cocamidopropyl Betaine)	Evonik	15.0
Lamesoft PO65 (Coco-Glucoside and Glyceryl Oleate)	Cognis	5.0
Aloe Oil Extract, Safflower (Carthamus Tinctorius (Safflower Seed Oil and Aloe Barbadensis Leaf)	Caribbean Aloe Vera	0.75
Tocopheryl Acetate	BASF	0.5
Euperlan PK-4000 (Glycol Distearate and Laureth-4 and Cocamidopropyl Betaine)	Cognis	2.0
PHASE C		
DMDH Hydantoin	RITA	0.2
Rain Fresh (Fragrance)	Bell Flavors & Fragrances	q.s
Citric Acid (50% Solution)	Adjust to pH 5.5 - 6.5	q.s
Total		100.0

Procedure

1. Disperse Phase A with high shear and mix for at least 20 minutes until uniform and add the Glycerin at the end, without creating foam.
2. Add Phase B to Phase A with low shear stirring until uniform, in the order listed.
3. Add Phase C one at a time with gentle mixing until uniform.

© Copyright 2009, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

® Registered trademark of Elementis Specialties, Inc.

The information in this publication is, to the best of our knowledge, true and accurate, but since the conditions of use are beyond our control, no warranty is given or to be implied in respect of such information. In every case, caution must be exercised to avoid violation or infringement of statutory obligations and any rights belonging to a third party. We are, at all time, willing to study customers' specific outlets involving our products in order to enable their most effective use.

Shower and Bath Gel

KR9/108 ref Institute Dr. Schrader

Advantages

The presence of BENTONE® EW rheological additive in this system:

- Imparts viscosity
- Improves storage stability
- Formulation is PEG free
- Formulation suitable for BDIH approval



Ingredient	Supplier	% w/w
PHASE A		
Eucarol AGE-ET (Sodium Coco-Glucoside Tartrate)	Lamberti S.p.A	20.0
Plantacare 1200UP (Lauryl Glucoside)	Cognis	10.0
Texapon K12 P (Sodium Lauryl Sulfate)	Cognis	1.5
PHASE B		
BENTONE® EW (Hectorite)	ELEMENTIS Specialties	1.0
Deionised Water		61.0
PHASE C		
Deionised Water		3.0
Edeta BD (Disodium EDTA)	BASF	0.1
PHASE D		
Deionised Water		3.0
Potassium Sorbate	Merck	0.2
Sodium Benzoate	Merck	0.2
Citric Acid (50% Solution)	Adjust to pH 5.7	q.s
	Total	100.0

Procedure

1. Combine Phase A and mix carefully until fully dispersed.
2. Combine Phase B with Silverson homogenising. Mix for 10-15 minutes.
3. Combine Phase C and add to Phase A with propeller stirring.
4. Add Phase B to Phase A+C with propeller stirring.
5. Combine Phase D and add to Phase A+B+C with propeller stirring.
6. Adjust the pH as necessary.

© Copyright 2009, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

® Registered trademark of Elementis Specialties, Inc.

The information in this publication is, to the best of our knowledge, true and accurate, but since the conditions of use are beyond our control, no warranty is given or to be implied in respect of such information. In every case, caution must be exercised to avoid violation or infringement of statutory obligations and any rights belonging to a third party. We are, at all time, willing to study customers' specific outlets involving our products in order to enable their most effective use.

Mild Hair Shampoo

BY31291/33

Advantages

The presence of BENTONE® EW rheological additive in this system:

- Imparts viscosity
- Improves storage stability
- Formulation is PEG, Sulfate and Paraben free
- Formulation is made with 97% Natural Ecocert approved materials



Ingredient	Supplier	% w/w
PHASE A		
BENTONE® EW (Hectorite)	ELEMENTIS Specialties	1.5
Deionised Water		55.8
Vegetable Glycerin	UPI	3.0
PHASE B		
Plantacare 2000 UP (Decyl Glucoside)	Cognis	10.0
Plantacare 1200 UP (Lauryl Glucoside)	Cognis	10.0
Tego Betain F50 (Cocamidopropyl Betaine)	Evonik	15.0
Tegosoft LSE 65K (Sucrose Cocoate)	Evonik	2.0
Euperlan PK-4000 (Glycol Distearate and Laureth-4 and Cocamidopropyl Betaine)	Cognis	2.0
Nutrilan Milk (Hydrolyzed Milk Protein)	Cognis	0.5
PHASE C		
DMDH Hydantoin	RITA	0.2
Rain Fresh (Fragrance)	Bell Flavors & Fragrances	q.s
FD&C Green #3 (0.1% Solution)		q.s
Citric Acid (50% Solution)	Adjust to pH 5.5 - 6.5	q.s
Total		100.0

Procedure

1. Disperse Phase A with high shear and mix for 15 minutes until uniform.
2. Add Phase B to Phase A with low shear stirring until uniform, in the order listed.
3. Add Phase C one at a time with gentle mixing until uniform.

© Copyright 2009, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

® Registered trademark of Elementis Specialties, Inc.

The information in this publication is, to the best of our knowledge, true and accurate, but since the conditions of use are beyond our control, no warranty is given or to be implied in respect of such information. In every case, caution must be exercised to avoid violation or infringement of statutory obligations and any rights belonging to a third party. We are, at all time, willing to study customers' specific outlets involving our products in order to enable their most effective use.

Lipstick

KR9/101

Advantages

The presence of THIXCIN® R rheological additive in this system:

- Gives soft smooth application properties
- Increases the melting point of the final product
- Formulation contains Ecocert approved raw materials



Ingredient	Supplier	% w/w
PHASE A		
Eutanol G (Octyldodecanol)	Cognis	35.0
HD Eutanol V (Oleyl Alcohol)	Cognis	17.0
Hydrogenated Coconut Oil	Lipo Chemicals	10.0
Lipex Shea (Butyrosperum Parkii (Shea Butter))	Aarhus Karlshamns	10.0
Candelilla Wax SP 75 (Euphorbia Cerifera (Candelilla) Wax	Rossow Cosmetiques	8.0
Carnauba Wax SP 63 (Copernicia Cerifera (Carnauba) Wax	Rossow Cosmetiques	3.5
Copherol f 133 C (Tocopherol)	Cognis	0.5
PHASE B		
THIXCIN® R (Trihydroxystearin)	ELEMENTIS Specialties	1.5
PHASE C		
Sympholight RW (Red Iron Oxide and Silica)	SACI-CFPA	10.0
Sympholight WW (Titanium Dioxide and Silica)	SACI-CFPA	4.0
Sympholight BW (Black Iron Oxide and Silica)	SACI-CFPA	4.0
Total		100.0

Procedure

1. Heat Phase A to 85°C mixing occasionally.
2. Add Phase B and mix with a Silverson homogeniser for 15 minutes.
3. Add Phase C to Phase A+B and mix thoroughly.
4. Pour and cool.

© Copyright 2009, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

® Registered trademark of Elementis Specialties, Inc.

The information in this publication is, to the best of our knowledge, true and accurate, but since the conditions of use are beyond our control, no warranty is given or to be implied in respect of such information. In every case, caution must be exercised to avoid violation or infringement of statutory obligations and any rights belonging to a third party. We are, at all time, willing to study customers' specific outlets involving our products in order to enable their most effective use.



Before using any of our products please consult our Safety Data Sheets.

The information in this publication is, to the best of our knowledge, true and accurate, but since the conditions of use are beyond our control, no warranty is given or to be implied in respect of such information. In every case, caution must be exercised to avoid violation or infringement of statutory obligations and any rights belonging to a third party. We are, at all time, willing to study customers' specific outlets involving our products in order to enable their most effective use.

© Copyright 2009, Elementis Specialties, Inc. All rights reserved.

Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

® Registered trademark of Elementis Specialties, Inc.

For more details please contact:

AMERICAS

Elementis Specialties

P.O. Box 700
Hightstown
New Jersey 08520
USA

Tel: +1.609.443.2500

Fax: +1.609.443.2446

EUROPE

Elementis Specialties

Stolberger Strasse 370
50933 Cologne
Germany

Tel: +49.221.485.2900

Fax: +49.221.485.2910

E-Mail: cosmetics-info@elementis-eu.com

pure in cosmetics

www.elementis-specialties.com