

# Colour Cosmetic Formulary

April, 2008



pure in cosmetics

ELEMENTIS  
SPECIALTIES

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## FOUNDATIONS

### Foundation with BENTONE GEL® PTIS V KR9/095

#### Advantages

The presence of BENTONE GEL® PTIS V, rheological additive in this system:

- Offers an lubricating emollient effect
- Aides pigment dispersion and improves application properties

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
Deionised Water		31.35
Glycerin		5.0
Tween 20 (Polysorbate 20)	Uniqema	2.0
Sodium Chloride		0.6
Paratexin M (Methylparaben)	S. Black Group	0.2
<b>PHASE B</b>		
<b>BENTONE GEL® PTIS V (Pentaerythrityl Tetraisostearate and Distearidimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>9.0</b>
Tegosoft OS (Ethylhexyl Stearate)	Evonik Degussa	7.0
Galenol 1618 AE (Cetearyl Alcohol and Cetareth-20)	Sasol	5.0
Abil WE 09 (Polyglyceryl-4 Isostearate and Cetyl PEG/PPG-10/1 Dimethicone and Hexyl Laurate)	Evonik Degussa	3.0
Abil EM 90 (Cetyl PEG/PPG-10/1 Dimethicone)	Evonik Degussa	3.0
Abil Wax 9814 (Cetyl Dimethicone)	Evonik Degussa	2.0
Stearic Acid PC (Stearic Acid)	Protameen	2.0
Fomblin HC-25 (Polyperfluoromethylisopropyl Ether)	Uniqema	0.25
Paratexin P (Propylparaben)	S. Black Group	0.1
<b>PHASE C</b>		
Dow Corning 345 Fluid (Cyclomethicone)	Dow Corning	20.0
<b>PHASE D</b>		
Titanium Dioxide SI 2 (Titanium Dioxide and Methicone)	Cardre Inc	7.6
Yellow Iron Oxide SI 2 (Iron Oxides and Methicone)	Cardre Inc	1.5
Red Iron Oxide SI 2 (Iron Oxides and Methicone)	Cardre Inc	0.2
Black Iron Oxide SI 2 (Iron Oxides and Methicone)	Cardre Inc	0.2

#### Mixing Procedure

1. Combine Phase A and heat to 70-75°C with mixing.
2. Combine Phase B and heat to 70-75°C with mixing.
3. Add Phase C to Phase B with mixing.
4. Add Phase D to Phase B+C and mix for 20 minutes.
5. Add Phase B+C+D to Phase A with silverson homogenising.
6. Cool with mixing to desired fill temperature.

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## Foundation with BENTONE GEL® PTM V KR6/009

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### Advantages

The presence of BENTONE GEL® PTM V, rheological additive in this system:

- Improves application
- Enhances feel properties
- Stabilises formulation

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® PTM V (Phenyl Trimethicone and Distearidimonium Hectorite and Triethyl Citrate)</b>	<b>ELEMENTIS Specialties</b>	<b>5.0</b>
Isohexadecane	EC Erdölchemie	8.0
Dow Corning 345 Fluid (Cyclomethicone)	Dow Corning	6.5
Lexemul 561 (Glyceryl Stearate and PEG-100 Stearate)	Inolex	5.0
Polarwax GP200 (Emulsifying Wax)	Croda	3.0
Tocopheryl Acetate	A&E Connock	0.5
Paratexin P (Propylparaben)	S. Black Group	0.1
<b>PHASE B</b>		
Pigments		7.2
<b>PHASE C</b>		
Deionised Water		52.85
Vegetable Glycerin	Uniqema	8.0
Magnesium Sulfate		0.75
Paratexin M (Methylparaben)	S. Black Group	0.1
<b>PHASE D</b>		
Butylene Glycol	Sieber Hegner	3.0

### Mixing Procedure

1. Heat Phase A together to 75°C.
2. Transfer to a silverson homogeniser, with shear add Phase B. Mix until fully dispersed.
3. In a separate vessel heat Phase C together to 75°C.
4. Add the Phase C to Phase A+B and silverson homogenise for 20 minutes.
5. Transfer to a propeller stirrer and cool to below 45°C.
6. With continued mixing add Phase D.

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## Oil Free Two-Way Foundation with THIXCIN® R S. Black 3423

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### Advantages

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

- Acts as a binder

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
Sericite S152 BC (Mica)	Miyoshi Kasei	38.89
Excel Mica JP-2 (Mica and Aluminum Hydroxide)	Miyoshi Kasei	8.33
J-68 BC (Talc)	US Cosmetics	7.89
Silica Bead SB-700 (Silica and Sodium PCA)	Cosmo Trends	5.56
Paratexin P (Propylparaben)	S. Black Group	0.22
Paratexin M (Methylparaben)	S. Black Group	0.22
<b>PHASE B</b>		
C47-5566 Titanium Dioxide (C.I. 77891)	Sun Chemical	15.24
C33-1700 Yellow Iron Oxide (C.I. 77492)	Sun Chemical	1.0
C33-128 Red Iron Oxide (C.I. 77491)	Sun Chemical	0.42
C33-134 Black Iron Oxide (C.I. 77499)	Sun Chemical	0.01
<b>PHASE C</b>		
THIXCIN® R (Trihydroxystearin)	ELEMENTIS Specialties	22.22

### Mixing Procedure

1. Pre-blend Phase A.
2. Pre-blend Phase B and add to Phase A.
3. Add Phase C to Phase A+B and mix until homogenous.
4. Press at 60 Bar.

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## Powder Veil Foundation with BENTONE GEL<sup>®</sup> ISD V and THIXCIN<sup>®</sup> R Arch Personal Care MK-9

### Advantages

The presence of BENTONE GEL<sup>®</sup> ISD V, rheological additive in this system:

- Improves application and enhances feel properties
- Stabilises formulation

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL<sup>®</sup> ISD V (Isododecane and Disteardimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>7.2</b>
Permethyl 99A (Isododecane)	Presperse Inc	27.0
Gel Base (Isododecane and Butylene/Ethylene/Propylene Copolymer)	Arch Personal Care	5.5
Gel Base Sil (Cyclomethicone and Dimethicone)	Arch Personal Care	1.8
<b>PHASE B</b>		
Dermol 99 (Isononyl Isononanoate)	Alzo International	21.0
Tegin 4100 Pellets (Glyceryl Stearate)	Evonik Degussa	4.5
<b>PHASE C</b>		
<b>THIXCIN<sup>®</sup> R (Trihydroxystearin)</b>	<b>ELEMENTIS Specialties</b>	<b>1.5</b>
<b>PHASE D</b>		
Polymethyl Methacrylate	Cardre Inc	18.2
Titanium Dioxide SI 2 (Titanium Dioxide and Methicone)	Cardre Inc	7.6
Kaolin	Cardre Inc	1.8
Yellow Iron Oxide SI 2 (Iron Oxides and Methicone)	Cardre Inc	1.5
SP-500 (Nylon-12)	Kobo Products Inc	1.0
Talc	Whittaker, Clark and Daniels	1.0
Red Iron Oxide SI 2 (Iron Oxides and Methicone)	Cardre Inc	0.2
Black Iron Oxide SI 2 (Iron Oxides and Methicone)	Cardre Inc	0.2

### Mixing Procedure

1. Into the main vessel combine Phase A and silverson homogenise until smooth.
2. In a separate vessel blend Phase B together and heat to 55°C. Add Phase C and mix for 20 minutes.
3. Add Phase D to Phase A and silverson homogenise until smooth.
4. Add Phase B+C to Phase A+D and homogenise until smooth.

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## Soft Face Powder with THIXCIN® R TS -245

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### Advantages

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

- Acts as a binder

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
J-68 BC (Talc)	US Cosmetics	55.80
Sericite S-152 (Mica)	Miyoshi Kasei	20.0
C47-7756 Softex (C.I. 77891)	Sun Chemical	7.22
Vestosint 7040 BC (Nylon-12)	S. Black Group	5.0
Micronasphere M (Mica and Silica)	Merck	1.0
C33-1700 (C.I. 77492)	Sun Chemical	0.48
C33-2199 (C.I. 77491)	Sun Chemical	0.2
Paratexin P (Propylparaben)	S. Black Group	0.1
Paratexin M (Methylparaben)	S. Black Group	0.1
<b>PHASE B</b>		
THIXCIN® R (Trihydroxystearin)	ELEMENTIS Specialties	10.0

### Mixing Procedure

1. Pre-blend Phase A.
2. Add Phase B and mill until fully homogenous.

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## EYE MAKE-UP

### Cream to Powder Eyeshadow with BENTONE GEL® VS-5PC V

Natural Starch & Chemical: 8302-115B

#### Advantages

The presence of BENTONE GEL® VS-5PC V, rheological additive in this system:

- Improved stability, viscosity and body
- Provides thermostable viscosity control
- Gives ease of application and spreadability

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
Isofol 20 (Ethylhexyldodecanol)	Sasol	13.0
Dermacryl 79 (Acrylates/Octylacrylamide Copolymer)	National Starch	1.0
<b>PHASE B</b>		
<b>BENTONE GEL® VS-5PC V (Cyclopentasiloxane and Disteardimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>30.0</b>
Cerawax A75 (Cera Microcrystallina)	Barlocher	0.3
<b>PHASE C</b>		
Dry-Flo Elite LL (Aluminium Starch Octenylsuccinate and Lauroyl Lysine)	National Starch	30.0
Ronasphere LDP (Silica and C.I. 77891 and C.I. 77491)	Merck	10.0
Isopar H (C <sub>11-12</sub> Isoparaffins)	Exxon	7.4
Prisorine 3700 (Polyglyceryl-3 Diisostearate)	Unigema	4.0
Miglyol 812 N (Caprylic/Capric Triglyceride)	Sasol	3.0
Silica	Cabot	0.5
Trivent SS-20 (Ethylhexyldodecyl Stearoyl Stearate)	Trivent	0.5
Paratexin PE (Phenoxyethanol)	S.Black Group	0.2
Tocopheryl Acetate	A&E Connock	0.1

#### Mixing Procedure

1. Slowly combine Phase A and heat to 80°C. Mix until homogenous.
2. Add Phase B and mix thoroughly using a silverson homogeniser.
3. Mix together Phase C and add to Phase A+B with silverson homogenising.
4. Pour and leave to cool.

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## Eyeshadow Stick with BENTONE GEL® MIO V KR5/167

### Advantages

The presence of BENTONE GEL® MIO V, rheological additive in this system:

- Improved stability, viscosity and body
- Provides thermostable viscosity control
- Gives ease of application and spreadability

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® MIO V (Mineral Oil and Distearidimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>0.5</b>
Paraffinum Liquidum		15.0
Lexol PG-865 (Propylene Glycol Dicaprylate/Caprate)	Inolex	15.0
C33-115 Brown Oxide (C.I. 77491 and C.I. 77492 and C.I. 77499)	Sun Chemical	15.0
Magnesium Carbonate		6.0
Kaolin		2.0
<b>PHASE B</b>		
Paraffinum Liquidum		17.6
Cerezo E626 (Ozokerite)	Barlocher France	6.0
Priolene 6928 (Oleic Acid)	Uniqema	4.0
Ceruba T1 (Cera Carnauba)	Barlocher France	3.5
BHA	Merck	0.2
Propylparaben	S. Black Group	0.2
<b>PHASE C</b>		
Timiron Supersheen MP-1001(Mica and C.I. 77891)	Merck	15.0

### Mixing Procedure

1. Heat Phase A together to 80°C.
2. Heat Phase B together to 80°C.
3. Add Phase B to Phase A and mix.
4. Add Phase C and mix.

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## Waterproof Cream Eyeshadow with BENTONE GEL® VS-5PC V Merck KR6/017

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### Advantages

The presence of BENTONE GEL® VS-5PC V, rheological additive in this system:

- Improved stability, viscosity and body
- Provides thermostable viscosity control
- Gives ease of application

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® VS-5PC V (Cyclopentasiloxane and Distearidimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>21.0</b>
Bayer Isododecane (Isododecane)	Bayer AG	24.0
Unimer U-15 (VP/Eicosene Copolymer)	Induchem	8.0
Dow Corning 5225C Formulation Aid (Cyclopentasiloxane and PEG/PPG-18/18 Dimethicone)	Dow Corning	5.0
Protachem 100 (Polyglyceryl-4 Oleate)	Protameen	2.0
<b>PHASE B</b>		
Deionised Water		18.80
Sodium Chloride		1.0
Paratexin IU (Imidazolidinyl Urea)	S. Black Group	0.2
<b>PHASE C</b>		
Colorona Sienna (Mica and C.I. 77491)	Merck	20.0

### Mixing Procedure

1. Heat Phase A together to 65°C, and mix using a silverson homogeniser.
2. Heat together Phase B to 60°C.
3. Add Phase C to Phase B and mix with silverson homogenising.
4. Add Phase B+C to Phase A and mix using silverson homogenising.
5. Pour into containers and leave to cool.

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## Mascara with BENTONE GEL® PTIS V KR9/094

### Advantages

The presence of BENTONE GEL® PTIS V, rheological additive in this system:

- Provides an emollient film
- Aides pigment dispersion
- Improves application properties
- Stabilises the product

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® PTIS V (Pentaerythrityl Tetraisostearate and Distearidimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>15.0</b>
Dow Corning 345 Fluid (Cyclomethicone)	Dow Corning	21.0
DHL Black (C.I. 77499 and Dimethicone)	US Cosmetic Group	20.0
Cerauba T1 (Carnauba Wax)	Barlocher France	1.0
Tegin 4100 Pellets (Glyceryl Stearate)	Evonik Degussa	1.0
Paratexin P (Propylparaben)	S. Black Group	0.2
<b>PHASE B</b>		
Deionised Water		31.5
Glycerine		4.0
Propylene Glycol		2.0
Crill 43 (Sorbitan Sesquioleate)	Croda	2.0
Luviskol VA 64 Powder (VP/VA Copolymer)	BASF	1.0
D-Panthenol USP (Panthenol)	BASF	1.0
Paratexin M (Methylparaben)	S. Black Group	0.2
Tetrasodium EDTA		0.1

### Mixing Procedure

1. Mix Part A together and heat to 70-75°C.
2. Premix Part B and heat to 70-75°C.
3. Add Part A to Part B with high shear mixing (i.e. Silverson Homogeniser).
4. Cool with propeller stirring.

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## Waterproof W/Si Mascara with BENTONE GEL® VS-5PC V KR5/152

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### Advantages

The presence of BENTONE GEL® VS-5PC V, rheological additive in this system:

- Improved stability, viscosity and body
- Provides thermostable viscosity control
- Gives ease of application and spreadability

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® VS-5PC V (Cyclopentasiloxane and Distearidimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>20.0</b>
DHL Black (C.I. 77499 and Dimethicone)	US Cosmetic Group	25.0
Dow Corning 345 Fluid (Cyclomethicone)	Dow Corning	20.0
Dow Corning 5225C Formulation Aid (Cyclopentasiloxane and PEG/PPG-18/18 Dimethicone)	Dow Corning	10.0
Protachem 100 (Polyglyceryl-4 Oleate)	Protameen	3.0
<b>PHASE B</b>		
Deionised Water		15.3
Paratexin FPX (Phenoxyethanol and Methylparaben and Ethylparaben and Propylparaben and Butylparaben and Isobutylparaben)	S. Black Group	1.0
Sodium Chloride		0.7
<b>PHASE C</b>		
Dow Corning 749 Fluid (Cyclomethicone and Trimethylsiloxysilicate)	Dow Corning	5.0

### Mixing Procedure

1. Mix Phase A together.
2. Premix Phase B.
3. Add Phase B to Phase A with high shear mixing (i.e. Silverson Homogeniser).
4. Add Phase C to Phase A+B and mix.

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## Water in Silicone Liquid Eye Liner with BENTONE GEL® VS-5 V RECF- 129

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### Advantages

The presence of BENTONE GEL® VS-5 V, rheological additive in this system:

- Improved stability, viscosity and body
- Provides thermostable viscosity control
- Gives ease of application

<b>Ingredient</b>	<b>Supplier</b>	<b>% w/w</b>
<b>PHASE A</b>		
Isododecane	Bayer AG	18.0
Antaron V-220 (VP/Eicosene Copolymer)	ISP	2.0
<b>PHASE B</b>		
<b>BENTONE GEL® VS-5 V (Cyclopentasiloxane and Distearidimonium Hectorite and SD Alcohol Denat)</b>	<b>ELEMENTIS Specialties</b>	<b>15.0</b>
Dow Corning 345 Fluid (Cyclomethicone)	Dow Corning	10.0
Dow Corning 5225C Formulation Aid (Cyclopentasiloxane and PEG/PPG-18/18 Dimethicone)	Dow Corning	6.0
Protachem 100 (Polyglyceryl-4 Oleate)	Protameen	3.0
<b>PHASE C</b>		
Colorona Patina Gold (Mica and C.I. 77499 and C.I. 77491 and C.I. 77891)	Merck	20.0
<b>PHASE D</b>		
Deionised Water		25.10
Magnesium Stearate		0.7
Paratexin IU (Imidazolidinyl Urea)	S. Black Group	0.2

### Mixing Procedure

1. Heat Phase A together to 60°C.
2. Mix Phase B together with silverson homogenising. With continued mixing add to Phase A.
3. Add Phase C to Phase A+B with silverson homogenising.
4. Mix together Phase D and add to Phase A+B+C with silverson homogenising.
5. Continue to mix for 1 minute.

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## LIP PRODUCTS

### Lipstick with BENTONE GEL<sup>®</sup> VS-5PC V

KR5/089

#### Advantages

The presence of BENTONE GEL<sup>®</sup> VS-5PC V, rheological additive in this system:

- Improved stability and enriches the formulation
- Imparts viscosity and body, giving ease of application and spreadability
- Provides thermostable viscosity control

The presence of THIXCIN<sup>®</sup> R, rheological additive in this system:

- Enhances stability and increases the melting point of the final product

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL<sup>®</sup> VS-5PC V (Cyclopentasiloxane and Distearidimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>10.0</b>
Trivent SS-20 (Ethylhexyldodecyl Stearoyl Stearate)	Trivent	20.0
Dow Corning 345 Fluid (Cyclomethicone)	Dow Corning	11.0
Syncrowax HRC (Tribehenin)	Croda	9.6
Indopol H-100 (Polybutene)	Deutsche BP AG	8.2
Softisan 100 (Hydrogenated Coco-Glycerides)	Sasol	8.0
Supermol S (Pentaerythrityl Caprate/Caprylate/Adipate)	Croda	7.5
Cerilla G (Candelilla Cera and Paraffin)	Barlocher France	6.0
Ceruba T1 (Cera Carnauba)	Barlocher France	3.0
Cerabeil Blanchie DAB (Cera Alba)	Barlocher France	2.0
Tocopheryl Acetate	A&E Connock	0.5
Paratexin P (Propylparaben)	S. Black Group	0.1
<b>PHASE B</b>		
Crodamol DOA (Diethylhexyl Adipate)	Croda	10.0
Dry Flo AF (Corn Starch Modified)	National Starch	10.0
<b>PHASE C</b>		
Rezal 36G (Water and Aluminium Zirconium Tetrachlorohydrate GLY)	Reheis	20.0
Silica		0.5

#### Mixing Procedure

1. Heat Phase A together to 85°C, with mixing.
2. Add Phase B and mix.
3. Add Phase C and mix.
4. Pour and cool.

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## Lipstick “Soft and Moist” with BENTONE GEL® CAO V TS-129

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### Advantages

The presence of BENTONE GEL® CAO V, rheological additive in this system:

- Enhances the appearance of the stick
- Allows for better dispersion of the pigment
- Improves the release of the stick from the mould
- Gives a creamier and softer feel on the lips

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® CAO V (Ricinus Communis and Stearalkonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>10.0</b>
Lexol PG-865 (Propylene Glycol Dicaprylate/Caprate)	Inolex	31.4
Castor Oil (Ricinus Communis)		24.0
Cerilla G (Candelilla Cera and Paraffin)	Barlocher France	8.0
Cerezo E626 (Ozokerite)	Barlocher France	4.0
Paratexin P (Propylparaben)	S. Black	0.1
<b>PHASE B</b>		
<b>THIXCIN® R (Trihydroxystearin)</b>	<b>ELEMENTIS Specialties</b>	<b>2.0</b>
<b>PHASE C</b>		
COD 8001 (Ricinus Communis and Red 7 Lake)	Sun Chemical	20.0
<b>PHASE D</b>		
Fragrance		0.5

### Mixing Procedure

1. Heat Phase A together to 85°C.
2. Bring temperature down to 80°C. Add and mix in Phase B, using a homomixer at medium speed.
3. Mix for 10 minutes at 80°C.
4. Add Phase C and mix for 5 minutes.
5. Continue mixing at medium speed and lower temperature to 70°C and add Phase D and mix for 5 minutes.
6. Pour into moulds.

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## Smooth Glide Lipstick with BENTONE GEL<sup>®</sup> CAO V and BENTONE GEL<sup>®</sup> PTM V S. Black 2463

### Advantages

The presence of BENTONE GEL<sup>®</sup> CAO V and BENTONE GEL<sup>®</sup> PTM V, rheological additives in this system:

- Improves stick stability and aids colour distribution in the product
- Imparts viscosity and body, providing ease of application and spreadability
- Provides thermostable viscosity control

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL<sup>®</sup> CAO V (Ricinus Communis and Stearalkonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>5.0</b>
<b>BENTONE GEL<sup>®</sup> PTM V (Phenyl Trimethicone and Distearidimonium Hectorite and Triethyl Citrate)</b>	<b>ELEMENTIS Specialties</b>	<b>5.0</b>
Castor Oil (Ricinus Communis)	John L. Seatons	31.15
Trivent OC-G (Tricaprylin)	Trivent	20.0
Cerilla G (Candelilla Cera and Paraffin)	Barlocher	9.0
Softisan 100 (Hydrogenated Coco-Glycerides)	Sasol	8.0
Softisan 645 (Bis-Diglyceryl Polyacyladipate-1)	Sasol	8.0
Cerabeil White (Cera Alba)	Barlocher	3.0
Ceruba T1 (Cera Carnauba)	Barlocher	2.0
Tocopheryl Acetate	Protameen	0.5
Paratexin P (Propylparaben)	S. Black Group	0.1
BHT	Merck	0.05
<b>PHASE B</b>		
COD 8006 (Ricinus Communis and C.I. 77491 and BHT)	Sun Chemical	5.0
Timiron Sun Gold Sparkle MP-29 (Mica and C.I. 77891 and C.I. 77491)	Merck	2.0
COD 8008 (Ricinus Communis and C.I. 77891 and BHT)	Sun Chemical	1.0
COD 8004 (Ricinus Communis and C.I. 77499 and BHT)	Sun Chemical	0.2

### Mixing Procedure

1. Heat Phase A together to 85°C.
2. Add Phase B and mix.
3. Pour and cool.

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# Lipbalm Stick with BENTONE GEL® EUG V and THIXCIN® R KR5/088

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## Advantages

The presence of BENTONE GEL® EUG V, rheological additive in this system:

- Improved stability, viscosity and body
- Provides thermostable viscosity control
- Gives ease of application and spreadability

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

- Enhances stability
- Increases the melting point of the final product

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® EUG V (Octyldodecanol and Distearidimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>20.0</b>
Indopol H-100 (Polybutene)	Deutsche BP AG	20.4
Isofol 20 (Octyldodecanol)	Sasol	26.0
Syncrowax HRC (Tribehenin)	Croda	12.0
Tego Alkanol 1618 (Cetearyl Alcohol)	Evonik Degussa	10.0
Cerabeil Blanchie DAB (Cera Alba)	Barlocher France	5.0
Ceresine 26555 (Ceresin)	Barlocher France	5.0
Tocopheryl Acetate	A&E Connock	0.5
Propylparaben	S. Black Group	0.1
<b>PHASE B</b>		
<b>THIXCIN® R (Trihydroxystearin)</b>	<b>ELEMENTIS Specialties</b>	<b>1.0</b>

## Mixing Procedure

1. Heat Phase A together to 85°C, with mixing.
2. Add Phase B, with mixing.
3. Pour and cool.

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## Lipbalm Stick with NANOX™ 200

### Sisterna 1658

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#### Advantages

The presence of NANOX™ 200, ultrafine Zinc Oxide in this system:

- Improves UVA and UVB sun protection

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
(Castor Oil) Ricinus Communis	John L. Seatons	34.2
Sisterna AE10-C (Sucrose Tetrastearate Triacetate)	Sisterna	8.0
Dermol IPIS (Isopropyl Isostearate)	Alzo International	22.5
Cerozo E626 (Ozokerite)	Barlocher France	13.5
Cerilla G (Candelilla Cera and Paraffin)	Barlocher France	5.8
Eusolex 2292 (Ethylhexylmethoxycinnamate and BHT)	Merck	7.5
Tocopheryl Acetate	A&E Connock	2.0
Paratexin P (Propylparaben)	S.Black Group	0.25
<b>PHASE B</b>		
<b>NANOX™ 200 (Zinc Oxide)</b>	<b>ELEMENTIS Specialties</b>	<b>6.0</b>
<b>PHASE C</b>		
Fragrance		0.25

#### Mixing Procedure

1. Heat Phase A together to 80°C.
2. Add Phase B with silverson homogenising, then add Phase C.
3. Pour and cool.

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## Lipbalm Stick with NANOX™ 200

### S. Black 1670

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#### Advantages

The presence of NANOX™ 200, ultrafine Zinc Oxide in this system:

- Improves UVA and UVB sun protection

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
Castor Oil (Ricinus Communis)	John L. Seatons	37.45
Lexol BS (Isobutyl Stearate)	Inolex	25.0
Cerezo E626 (Ozokerite)	Barlocher France	15.0
Cerilla G (Candillilla Cera and Paraffin)	Barlocher France	6.0
Tocopheryl Acetate	A&E Connock	2.0
Paratexin P (Propylparaben)	S. Black Group	0.25
Oxyhex 2004 (Propylene Glycol and BHT and Ascorbyl Palmitate and Glyceryl Stearate and Glyceryl Distearate and Citric Acid)	Merck	0.05
Eusolex 2292 (Ethylhexylmethoxycinnamate and BHT)	Merck	7.5
<b>PHASE B</b>		
<b>NANOX™ 200 (Zinc Oxide)</b>	<b>ELEMENTIS Specialties</b>	<b>6.5</b>
<b>PHASE C</b>		
Flavour		0.25

#### Mixing Procedure

1. Heat Phase A together to 80°C.
2. Add Phase B, with silverson homogenising, then add Phase C.
3. Pour and cool.

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## Protective Lipsalve Balm with BENTONE GEL® GTCC V

Croda Ref: C1743

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### Advantages

The presence of BENTONE GEL® GTCC V, rheological additive in this system:

- Improves product stability
- Imparts viscosity and body
- Enhances spreadability

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® GTCC V (Caprylic/Capric Triglyceride and Stearalkonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>8.0</b>
Crodamol GTCC (Caprylic/Capric Triglyceride)	Croda	66.6
Supermol S (Pentaerythrityl Stearate/Caprates/ Caprylate Adipate)	Croda	9.0
Syncrowax HRC (Tribehenin)	Croda	6.0
Pure White Beeswax (Cera Alba)	A&E Connock	5.0
Crodacol C90 (Cetyl Alcohol)	Croda	5.0
Propylparaben	Clariant	0.4

### Mixing Procedure

1. Heat all components to 75-80°C. Mix with Silverson homogeniser until homogeneous.
2. Stir to cool with a propeller stirrer.
3. At 50-55°C fill containers.

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## Lipgloss with BENTONE GEL<sup>®</sup> CAO V and THIXCIN<sup>®</sup> R

S. Black: 814

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### Advantages

The presence of BENTONE GEL<sup>®</sup> CAO V, rheological additive in this system:

- Delivers a base viscosity
- Provides thermostable viscosity control
- Enhances skin feel

The presence of THIXCIN<sup>®</sup> R, rheological additive in this system:

- Enhances stability
- Increases the melting point of the final product

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL<sup>®</sup> CAO V (Ricinus Communis and Stearalkonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>65.0</b>
Trivent OL-10B (Isodecyl Oleate)	Trivent	16.2
Naturechem PGHS (Propylene Glycol Hydroxystearate)	Caschem	10.0
Paratexin P (Propylparaben)	S. Black Group	0.1
<b>PHASE B</b>		
<b>THIXCIN<sup>®</sup> R (Trihydroxystearin)</b>	<b>ELEMENTIS Specialties</b>	<b>3.0</b>
<b>PHASE C</b>		
Timiron Gleamer Flake MP-45 (Mica and CI 77891 and Dimethicone)	Merck	5.0
COD 8001 (Ricinus Communis and Red 7 Lake)	Sun Chemical	0.4
<b>PHASE D</b>		
Fragrance		0.25

### Mixing Procedure

1. Heat Phase A together to 85°C, with mixing.
2. Add Phase B and mix.
3. Add Phase C and mix.
4. Cool to 35°C and then add Phase D with propeller stirring.

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## Lipgloss with BENTONE GEL® EUG V and THIXCIN® R KR5/09188

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### Advantages

The presence of BENTONE GEL® EUG V, rheological additive in this system:

- Improved stability, viscosity and body
- Provides thermostable viscosity control
- Gives ease of application and spreadability

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

- Enhances stability
- Increases the melting point of the final product

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® EUG V (Octyldodecanol and Disteardimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>20.0</b>
Indopol H-100 (Polybutene)	Deutsche BP AG	64.1
Isofol 20 (Octyldodecanol)	Sasol	7.0
Ceruba T1 (Cera Carnauba)	Barlocher France	4.0
Tocopheryl Acetate	A&E Connock	0.5
Paratexin P (Propylparaben)	S. Black Group	0.1
<b>PHASE B</b>		
<b>THIXCIN® R (Trihydroxystearin)</b>	<b>ELEMENTIS Specialties</b>	<b>1.0</b>
<b>PHASE C</b>		
Pigments		3.3

### Mixing Procedure

1. Heat Phase A together to 85°C, with mixing.
2. Add Phase B and mix.
3. Add Phase C and mix.
4. Cool to 35°C and with propeller stirring.

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## Lipgloss with THIXCIN® R

S. Black: 1671

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### Advantages

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

- Enhances stability
- Increases the melting point of the final product

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
Indopol H-100 (Polybutene)	Deutsche BP AG	30.0
Trivent SS-20 (Ethylhexyldodecyl Stearoyl Stearate)	Trivent	28.6
Protalan Oil (Lanolin Oil)	Protameen	20.0
Crodamol ML (Myristyl Lactate)	Croda	8.0
Ceruba T1 (Cera Carnauba)	Barlocher France	7.0
Cerezo E626 (Ozokerite)	Barlocher France	3.0
Eusolex 6007 (Ethylhexyl Dimethyl PABA)	Merck	2.0
Oxynex 2004 (Propylene Glycol and BHT and Ascorbyl Palmitate and Glyceryl Stearate and Glyceryl Distearate and Citric Acid)	Merck	0.2
<b>PHASE B</b>		
<b>THIXCIN® R (Trihydroxystearin)</b>	<b>ELEMENTIS Specialties</b>	<b>1.0</b>
<b>PHASE C</b>		
COD 8001 (Ricinus Communis and Red 7 Lake)	Sun Chemical	0.2

### Mixing Procedure

1. Heat Phase A together to 85°C. Mix thoroughly using a silverson homogeniser.
2. Add Phase B and continue mixing until homogenous.
3. Add Phase C and continue mixing until homogenous.
4. Cool to 35°C with propeller stirring.

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## Moisturising Lipgloss with BENTONE GEL® PTIS V KR9/091

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### Advantages

The presence of BENTONE GEL® PTIS V, rheological additive in this system:

- Imparts an exceptionally glossy shine and a smooth creamy finish to the lips
- Aides pigment dispersion
- Improves application properties

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® PTIS V (Pentaerythrityl Tetraisostearate and Distearidimonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>10.0</b>
Castor Oil (Ricinus Communis (Castor) Seed Oil)		77.1
Cerilla G (Candelila Wax)	Barlocher	3.5
Timiron Supersheen MP1001 (Mica and C.I.77891)	Merck	2.0
Ceresine 26555 (Ceresin)	Barlocher	1.5
Multiwax W-835 (Microcrystalline Wax)	Crompton	1.5
Ceruba T1 (Carnauba Wax)	Barlocher	1.0
COOD 8006 (Ricinus Communis and CI 77491 and BHT)	Sun Chemical	0.7
COOD 8005 (Ricinus Communis and C.I.77492 and BHT)	Sun Chemical	0.7
COOD 8001 (Ricinus Communis and Red 7 Lake)	Sun Chemical	0.5
COOD 8004 (Ricinus Communis and CI 77499 and BHT)	Sun Chemical	0.3
Paratexin P (Propylparaben)	S. Black Group	0.2
<b>PHASE B</b>		
Maxi Lip (Ethylhexyl Palmitate and Tribehenin and Sorbitan Isostearate and Palmitoyl Oligopeptide)	Croda	1.0

### Mixing Procedure

1. Combine Phase A and heat to 90-95°C.
2. Mix thoroughly and cool with mixing to 70°C.
3. Add Maxi Lip and cool with mixing.

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## Pearly Lipgloss with THIXCIN® R

S. Black: 1116

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### Advantages

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

- Enhances stability
- Increases the melting point of the final product

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
Indopol H-100 (Polybutene)	Deutsche BP AG	41.0
Protalan Oil (Lanolin Oil)	Protameen	25.5
Crodamol ML (Myristyl Lactate)	Croda	12.5
Paraffin 68/70 (Paraffin)	Barlocher France	5.5
Eusolex 6007 (Ethylhexyl Dimethyl PABA)	Merck	2.0
Paratexin FPX (Propylparaben)	S. Black Group	0.15
BHA	Merck	0.05
<b>PHASE B</b>		
<b>THIXCIN® R (Trihydroxystearin)</b>	<b>ELEMENTIS Specialties</b>	<b>3.0</b>
<b>PHASE C</b>		
Colorona Carmine Red (Mica and C.I. 77891 and C.I. 75470)	Merck	10.0
<b>PHASE D</b>		
Fragrance		0.3

### Mixing Procedure

1. Heat Phase A together to 85°C, with mixing.
2. Add Phase B and mix.
3. Add Phase C and mix.
4. Cool to 35°C and add Phase D with propeller stirring.

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## Souffle Lipgloss with BENTONE GEL® CAO V and THIXCIN® R

S. Black: 951

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### Advantages

The presence of BENTONE GEL® CAO V, rheological additive in this system:

- Delivers a base viscosity
- Provides thermostable viscosity control
- Enhances skin feel

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

- Increases firmness
- Improves stability

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® CAO V (Ricinus Communis and Stearalkonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>70.0</b>
Trivent OL-10B (Isodecyl Oleate)	Trivent Chemical Company	17.20
Paratexin P (Propylparaben)	S. Black Group	0.1
Paraffin 68/70 (Paraffin)	Barlocher France	5.5
Eusolex 6007 (Ethylhexyl Dimethyl PABA)	Merck	2.0
Paratexin FPX (Propylparaben)	S. Black Group	0.15
BHA	Merck	0.05
<b>PHASE B</b>		
<b>THIXCIN® R (Trihydroxystearin)</b>	<b>ELEMENTIS Specialties</b>	<b>7.0</b>
<b>PHASE C</b>		
Timiron Gleamer Flake MP-45 (Mica and C.I. 77891 and Dimethicone)	Merck	5.0
COD 8002 (Ricinus Communis and C.I. 15850 and BHT)	Sun Chemical	0.4
BHT	Merck	0.1
<b>PHASE D</b>		
Fragrance		0.2

### Mixing Procedure

1. Heat Phase A together until melted.
2. Add Phase B and mix.
3. Add Phase C and cool to 50°C.
4. Add Phase D and propeller stir.

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## Souffle Lipgloss with BENTONE GEL® LOI V KR5/076

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### Advantages

The presence of BENTONE GEL® LOI V, rheological additive in this system:

- Delivers a base viscosity
- Provides thermostable viscosity control
- Enhances skin feel

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® LOI V (Lanolin Oil and Isopropyl Palmitate and Stearalkonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>70.0</b>
Trivent OL-10B (Isodecyl Oleate)	Trivent Chemical Company	17.20
Cerabeil Blanchie DAB (Cera Alba)	Barlocher France	7.0
Paratexin P (Propylparaben)	S. Black Group	0.1
<b>PHASE B</b>		
Timiron Gleamer Flake MP-45 (Mica and C.I. 77891 and Dimethicone)	Merck	5.1
COD 8002 (Ricinus Communis and C.I. 15850 and BHT)	Sun Chemical	0.4
BHT	Merck	0.1
<b>PHASE C</b>		
Fragrance		0.2

### Mixing Procedure

1. Heat Phase A together until melted.
2. Add Phase B and cool to 50°C.
3. Add Phase C and propeller stir.

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## Water in Oil Lipgloss with BENTONE GEL® GTCC V KR3/092

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### Advantages

The presence of BENTONE GEL® EUG V, rheological additive in this system:

- Improves emulsion stability
- Aids colour distribution in the product
- Imparts viscosity and body
- Provides ease of application and spreadability

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® GTCC V (Caprylic/Capric Triglyceride and Stearalkonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>20.0</b>
Castor Oil (Ricinus Communis)	John L Seatons & Co Ltd	32.5
Sistema A10E-C (Sucrose Tera Stearate Triacetate)	Sistema	5.0
COD 8006 (Ricinus Communis and CI 77491 and BHT)	Sun Chemical	3.0
Colorona Glitter Bordeaux (Mica and CI 77491)	Merck	2.5
COD8008 (Ricinus Communis and CI 77891 and BHT)	Sun Chemical	1.0
Paratexin P (Propylparaben)	S. Black Group	0.2
<b>PHASE B</b>		
Deionised Water		30.6
Glycerine		5.0
Paratexin M (Methylparaben)	S. Black Group	0.2

### Mixing Procedure

1. Heat Phase A together to 80°C.
2. Heat together Phase B to 75°C.
3. Add Phase B to Phase A using high shear mixing (i.e. a Silverson homogeniser).
4. Fill into containers and allow to cool.

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## BODY MAKE-UP

### Body Shimmer Gel with BENTONE® LT

KR4/179

#### Advantages

The presence of BENTONE® LT, rheological additive in this system:

- Gives body to the product
- Provides thermostable viscosity control
- Enhances skin feel

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE® LT (Hectorite and Hydroxyethylcellulose)</b>	<b>ELEMENTIS Specialties</b>	<b>2.0</b>
Deionised Water		86.8
<b>PHASE B</b>		
Glycerin PC (Glycerin)	Protameen	6.0
Timiron Sun Gold Sparkle MP-29 (Mica and C.I. 77891 and C.I. 77491)	Rona	2.5
1, 3 Butylene Glycol		2.0
Dow Corning 193 Surfactant (PEG-12 Dimethicone)	Dow Corning	0.5
Paratexin FPX (Phenoxyethanol and Methylparaben and Ethylparaben and Propylparaben and Butylparaben and Isobutylparaben)	S. Black Group	0.2
<b>PHASE C</b>		
Purac PH50 (Lactic Acid)	Purac	To pH 5-6

#### Mixing Procedure

1. Disperse Phase A thoroughly.
2. With propeller stirring add Phase B one at a time.
3. Test the pH and if needed add Phase C to pH 5-6.

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## Glitter Stick with BENTONE GEL® IPM V

Croda: MU-66

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### Advantages

The presence of BENTONE GEL® EUG V, rheological additive in this system:

- Delivers Stick body
- Provides thermostable viscosity control
- Enhances skin feel
- Aids application

Ingredient	Supplier	% w/w
<b>PHASE A</b>		
<b>BENTONE GEL® IPM V (Isopropyl Myristate and Stearalkonium Hectorite and Propylene Carbonate)</b>	<b>ELEMENTIS Specialties</b>	<b>35.0</b>
Mineral Oil		43.0
Syncrowax ERL-C (C18-36 Acid Glycol Ester)	Croda	17.0
<b>PHASE B</b>		
Glitter		5.0

### Mixing Procedure

1. Heat Phase A together until melted.
2. Add Phase B and cool.

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