



TREATING
YOU
RIGHT

MiyoFLEX Range

Highly Concentrated Solid Dispersion

- Pigments Concentration Up to 85%
- Avoid the Grinding Step
- Non-Powdery Material
- Easy to Weigh and to Handle
- Vegan compliant
- Worldwide Patented Innovation



COSMOS
APPROVED

GENERAL INFORMATION

Treated pigments and dispersions are part of Miyoshi Group core competencies. MiyoFLEX Range is the result of an optimal combination of these two technologies to get only the advantages. MiyoFLEX was designed to help our customers from the laboratory to the industrial production.

Solid dispersions of treated pigments, MiyoFLEX Range is easy to weigh and to handle and doesn't require any grinding step. Dust-free, safe for formulators and workers, highly pigment loaded, compatible in any media, MiyoFLEX have the same benefits as pigments processed in powder form.

The Miyoshi Group launched the **MiyoFLEX EV**, eco-friendly and sustainable ingredients, including MiyoNAT VAA range, combining both naturality, performance and complete the range with **MiyoFLEX SV**, Innovative Solid dispersions usable at room temperature.



MiyoFLEX RANGE :

MiyoFLEX EV

MiyoNAT VAA

+

Designed for Hot Process

Ester Wax

+

NOC 100%

COSMOS APPROVED

INCI : Substrate (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide.

Name	% Treated Pigments
MiyoFLEX EV-White	85
MiyoFLEX EV-Yellow	80
MiyoFLEX EV-Red	85
MiyoFLEX EV-Black	85

MiyoFLEX SV

MiyoNAT VAA

+

Usable at room temperature

Silicon Resin

+

NOC 80%

INCI : Substrate (and) Polymethylsilsesquioxane (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide.

Name	% Treated Pigments
MiyoFLEX SV-White	80
MiyoFLEX SV-Yellow	80
MiyoFLEX SV-Red	80
MiyoFLEX SV-Black	80

BENEFITS OF SOLID DISPERSION

Thanks to this unique technology, powder handling becomes easy to clean.



BENEFITS OF DISPERSION QUALITY

MiyoNAT VAA | MiyoFLEX EV

3,4% of Black Treated Pigments



PROCEDURE:

For MiyoFLEX EV Dispersion: mix 1,5g of MiyoFLEX EV-Color + 6g MiyoFLEX EV-White into 30g DUB MCT 5545 by using Silverson 9000 rpm during 2 min. at 75°C.

For MiyoNAT VAA Dispersion: mix 1,275g of MiyoNAT VAA-Color + 5,1g of MiyoNAT VAA-White + 1,125g of ester wax into 30g DUB MCT 5545 by using Silverson 9000 rpm during 2 min. at 75°C.

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MiyoFLEX Range

Highly Concentrated Solid Dispersion

Deep Black Mascara

MSC-B020

A formula with a high content of natural ingredients that perfectly embraces the lashes and gives them intense make-up without clumping.



	Raw Material	INCI Name	Supplier	%
A1	Water	Water	-	62,20
	Solagum AX	Acacia Senegal Gum (and) Xanthan Gum	Seppic	1,30
A2	Glycerine	Glycerin	Interchimie	10,00
	Vanatural	Bentonite	Vanderbilt Minerals/ Lavollée	2,00
B	Emulium Kappa 2	Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters (and) Glyceryl Stearate (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate	Gattefosse	6,00
	Cire d'abelles blanche	Cera alba	InterChimie	1,00
	Actcire MB	Jojoba Esters (and) Helianthus Annuus (Sunflower) Seed Wax (and) Acacia Decurrens Flower Wax (and) Polyglycerin-3	Gattefosse	2,50
	MiyoFILM CCTG(75%)	Dextrin Isostearate (and) Caprylic/ Capric Triglyceride	Miyoshi Europe	2,50
	MiyoFLEX EV-Black	Iron oxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide	Miyoshi Europe	10,00
C	Compritol 888 CG Pellets	Glyceryl Behenate	Gattefosse	1,50
	Bioxan SF T50	Tocopherol (Mixed)	BTSA/Masso	0,20
	Mikrokill Cos	Phenoxyethanol (and) Caprylyl Glycol (and) Chlorphenesin	Lonza/Masso	0,80

Procedure:

1. Solubilise A1 and Heat at 90°C. Then Add A2 and stir it with Ultra-Turrax (12800rpm, 10min) until complete homogeneity
2. Heat Phase B at 90°C. Then, stir it with Ultra-Turrax (14200rpm, 5min) until complete homogeneity.
3. Add Phase B to Phase A under stirring (Ultra-Turrax , Speed max, 10min, 90°C).
4. Put the formula under Rayneri with high speed and add Phase C.
5. Pour into packaging at 70-75°C and cool down to room temperature.

Flex Eyebrow

EYB-A020

This eyebrow formula has a very powdery finish thanks to our silica beads and our dimethicone treated Sericite. Its lightweight formula dries instantly and will magnify your eyebrow line.



	Trade Name	INCI Name	Supplier	%
A1	FancoI ID CG	Isododecane	Elementis / Saci-Cfpa	12,50
	SF 1550 Fluid	Phenyl trimethicone	Momentive	10,00
	KF96 L 2cs	Dimethicone	Shin-Etsu	20,00
	Bentone gel DM5 V	Dimethicone (and) Distearidimonium Hectorite (and) Triethyl Citrate	Elementis / Saci-Cfpa	8,00
	MiyoFLEX SV-White	Titanium dioxide (and) Polymethylsilsesquioxane (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide	Miyoshi Europe	3,80
	MiyoFLEX SV-Yellow	Iron Oxide (and) Polymethylsilsesquioxane (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide	Miyoshi Europe	1,20
	MiyoFLEX SV-Red	Sodium Myristoyl Glutamate (and) Aluminum Hydroxide	Miyoshi Europe	1,00
	MiyoFLEX SV-Black	Aluminum Hydroxide	Miyoshi Europe	4,00
A2	SA-SB-300(7%)	Silica (and) Dimethicone	Miyoshi Europe	7,00
	SA-S-150	Mica (and) Dimethicone	Miyoshi Europe	8,00
B	AB Wax Rice Pearl	Rice Bran Wax	Brasca / Nordmann	12,00
	Kahl Wax 2225 Phyto	Helianthus Annuus Seed Cera (and) Olea Europaea Oil Unsaponifiables (and) Rhus Verniciflua Peel Cera (and) Shorea Robusta Resin	Kahl Wax / Ingredtech	6,00
	Lipocire A SG	C10-18 Triglycerides	Gattefosse	6,00
C	Bioxan SF T50	Tocopherol	BTSA / Masso	0,50

PROCEDURE:

1. Mix Phase A1 using a Silverson at high speed 10 minutes.
2. Add Phase A2 to Phase A1 using a Silverson. Warm a little Phase A1A2.
3. Melt Phase B at 80°C.
4. Homogenize Phase A and B under stirring.
5. Add Phase C in last minute juste before pooring.

Tinted Tsunami

OWC-M001

Powerful formula combining care and color. No excess, an active ingredient chosen for its multiple benefits combined with innovative pigments that provide an immediate unifying effect and a unique sensoriality.



	Trade Name	INCI Name	Supplier	%
A1	WELYCARE CETYL P	Potassium Cetyl Phosphate	WeiChem / DKSH	1,25
	LANETTE 18	Stearyl Alcohol	BASF / AMI	1,00
	CETIOL MM	Myristyl Myristate	BASF / AMI	2,00
	CETIOL SB45	Butyrospermum Parkii (Shea) Butter	BASF / AMI	2,00
	Huile De Macadamia	Macadamia Integrifolia Seed Oil	Aromazone	6,00
	MiyoFLEX EV - White	Titanium Dioxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide	Miyoshi Europe	3,80
	MiyoFLEX-EV - Yellow	Iron Oxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide	Miyoshi Europe	0,97
	MiyoFLEX EV - Red	Iron Oxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide	Miyoshi Europe	0,13
	MiyoFLEX EV - Black	Iron Oxide (and) Hydrogenated Olive Oil Stearyl Esters (and) Sodium Myristoyl Glutamate (and) Aluminum Hydroxide	Miyoshi Europe	0,10
A2	MYRITOL 318	Caprylic / Capric Triglyceride	BASF / AMI	12,00
	Rheopearl KL2	Dextrin Pamitate	Chiba / Miyoshi Europe	0,50
B1	Water	Water	-	49,975
	Glycerine	Glycerin	Cooper	2,00
	RHEOCARE XGN	Xanthan Gum	BASF / AMI	0,40
B2	Water	Water	-	12,44
	Alcasealan	Alcaligenes Polysaccharides	Hakuto / Nagase	0,06
C	DERMOFEEL PA3	Sodium Phytate (and) Aqua (and) Alcohol	Evonik / Adara	0,10
	EUXYL K712	Sodium Benzoate (and) Potassium Sorbate	Schuelke / DKSH	1,50
D	Water	Water	-	5,00
	AA2G	Ascorbyl Glucoside	HAYASHIBARA / NAGSE	2,00
	30% Sodium Hydroxide aqueous solution	Water and Sodium Hydroxide	-	0,525
E	Silica Bead SB - 300	Silica	Miyoshi Europe	2,00
	Parfum ANGIE / SA NA0003	Fragrance	Mlle Parfumette	0,25

PROCEDURE:

1. In a separate beaker, weigh the water of phase B2. Under strong stirring (1200->2500rpm) slowly add Alcasealan. Let it stirr until an homogeneous phase is obtained.
2. Weigh the water into the beaker. In a separate container weigh the glycerine + Rheocare XGN, mix it with the spatula. Under vigorous stirring pour the premix into the water (500rpm->700rpm). Keep stirring under 700rpm during 10 minutes
3. In a separate beaker, weigh phase A1 except MiyoFlex. Under magnetic stirring start to heat phase A to 80°C.
4. In a separate beaker, mix ingredients of phase A2 at room temperature while stirring with magnetic stirrer. Then heat to 90°C while stirring until an homogeneous phase is obtained.
5. While heating phase B1 to 80°C, add phase B2 in B1 under moderate stirring (700rpm).
6. At 80°C, add A2 in A1 while stirring.
7. At 80°C, add MiyoFlex to phase A (without magnetic stirring), then mix with turrax during 2 min at 15000rpm at 77°C
8. At 80°C, under strong stirring (1550rpm), add slowly phase A to phase B. Then stir with turrax at 15000rpm during 2 minutes at 77°C. (microscope: dark, fine and uniform droplets mat)
9. Under stirring (600rpm) let the emulsion cool down.
10. In a separate beaker, weigh water of Phase D. Under magnetic stirring add AA2G. Let it stirr until a homogeneous phase is obtained. Then measure the pH (pH=1,42). Adjust pH of phase D with aqueous solution of sodium hydroxide. (pH of phase D was adjusted at 3,18.)
11. At 35°C, add ingredients of phase C, one by one, in phase (A+B) under stirring (900rpm)
12. Below 30°C, measure pH of phase (A+B+C) (pH=6,02) then add ingredients of phase D in phase (A+B+C) under stirring (900rpm)
13. Below 30°C, add ingredients of phase E, one by one, in phase (A+B+C+D) under stirring (900rpm). QSP water. Measure pH: 5,00<pH<5,50

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