

# Pigmentary Grade Dispersions

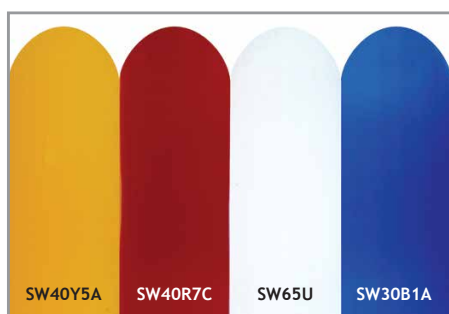


Pigmentary grade Titanium Dioxides and Iron Oxides (red, yellow & black) are widely used for color cosmetics and have primary particle sizes greater than 0.2 microns. Pigmentary grade pigments also tend to aggregate in formulas. Color strength, gloss and opacity are related to the particle size of the aggregates. Theoretically, the color intensity is highest (or more opaque) when the dispersion particle size (in formulas) is closest to their primary particle size. The use of Kobo dispersions of pigmentary grades of Iron Oxides,

Titanium Dioxide, organic and other pigments offer full color development, better stability, improved gloss and ease of use.

**Low viscosity PTM: WO 2016176659A3**  
Cosmetic and personal care formulas and methods

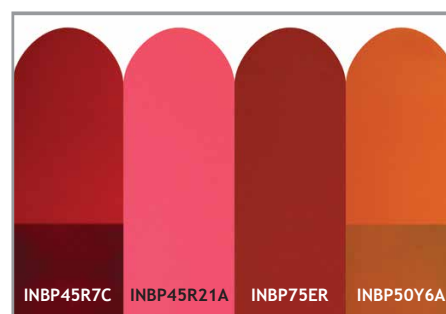
**Balanced UV protection: WO 2008067186 JP pending**  
UV protective cosmetic product incorporating titanium dioxide and transparent iron oxide



Dispersions in Synthetic Wax



Dispersions in Abil® WE-09



Dispersions in Isononyl Isononanoate

## Dispersions in Esters/Oils

(Recommended for formulations) Preferred Use: Anhydrous gels and hot pours, sticks with emolliency and high shine, emulsions and powders

Trade Name	INCI Name	⚠
ND65U <small>New</small>	Titanium Dioxide (And) Diisostearyl Malate (And) Isopropyl Titanium Triisostearate	
ND65ER <small>New</small>	Diisostearyl Malate (And) Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate	
ND50EY <small>New</small>	Diisostearyl Malate (And) Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate	
ND70EB <small>New</small>	Iron Oxides (CI 77499) (And) Diisostearyl Malate (And) Isopropyl Titanium Triisostearate	
ND35B1A <small>New</small>	Diisostearyl Malate (And) Blue 1 Lake (And) Isopropyl Titanium Triisostearate	
ND35R7C <small>New</small>	Diisostearyl Malate (And) Red 7 Lake (And) Isopropyl Titanium Triisostearate	1
ND45Y5A <small>New</small>	Diisostearyl Malate (And) Yellow 5 Lake (And) Isopropyl Titanium Triisostearate	

(Recommended for formulations) Preferred Use: Anhydrous bases and oil phase of O/W or W/O emulsions. Not suitable for W/S

INWP60EY <small>New</small>	Iron Oxides (CI 77492) (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	
INWP75ER <small>New</small>	Iron Oxides (CI 77491) (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	
INWP70EB <small>New</small>	Iron Oxides (CI 77499) (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	
INWP65U <small>New</small>	Titanium Dioxide (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	
INWP45R7C <small>New</small>	Red 7 Lake (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	1
INWP50R33A <small>New</small>	Isononyl Isononanoate (And) Red 33 Lake (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	1,4
INWP50Y5A <small>New</small>	Isononyl Isononanoate (And) Yellow 5 Lake (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	

**KOBO**

USA - New Jersey  
+1 (908) 757-0033

BRASIL - São Paulo  
+55 (11) 5062-0634

UK - Abingdon  
+44 7913 636 673

FRANCE - Labege  
+33 (0)5-62-88-77-40

## Dispersions in Esters/Oils

(Recommended for formulations) Preferred Use: Anhydrous non-volatile and volatile systems. May also be used in Emulsions (W/S, W/O, S/W, O/W)

Trade Name	INCI Name	
INBP50MV	Manganese Violet (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	
INBP55EY	Iron Oxides (CI 77492) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	
INBP70U	Titanium Dioxide (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	
INBP75EB	Iron Oxides (CI 77499) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	
INBP75EBR	Iron Oxides (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	
INBP75ER	Iron Oxides (CI 77491) (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	
INBP35R34C	Isononyl Isononanoate (And) Red 34 Lake (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	1,2
INBP40B1A	Blue 1 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	
INBP45R7C	Red 7 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	1
INBP45R21A	Red 21 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	1
INBP45R40A	Red 40 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	5
INBP50R6B	Red 6 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	1
INBP50R27U	Red 27 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	1
INBP50R28U	Red 28 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	1
INBP50R33A	Red 33 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate	1,4
INBP50R36	Red 36 (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	1,3
INBP50Y5A	Yellow 5 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	
INBP50Y6A	Yellow 6 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid	1

(Recommended for formulations) Preferred Use: Emulsions (O/W, W/S, W/O) May also be used in Anhydrous non-volatile and volatile systems











TNP55TRR	Iron Oxides (CI 77491) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	
TNP55TRY	Iron Oxides (CI 77492) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	

(Recommended for formulations) Preferred Use: Anhydrous non-volatile and volatile systems. May also be used in Emulsions (W/S, W/O, S/W, O/W)

COP40TRR	Ricinus Communis (Castor) Seed Oil (And) Iron Oxides (CI 77491) (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate	
COP40TRY	Ricinus Communis (Castor) Seed Oil (And) Iron Oxides (CI 77492) (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate	
CO45Y	Iron Oxides (CI 77492) (And) Ricinus Communis (Castor) Seed Oil (And) Isopropyl Titanium Triisostearate	
CO55U	Titanium Dioxide (And) Ricinus Communis (Castor) Seed Oil (And) Isopropyl Titanium Triisostearate	
CO60B	Iron Oxides (CI 77499) (And) Ricinus Communis (Castor) Seed Oil (And) Isopropyl Titanium Triisostearate	
CO60R	Iron Oxides (CI 77491) (And) Ricinus Communis (Castor) Seed Oil (And) Isopropyl Titanium Triisostearate	
CO20R7C	Ricinus Communis (Castor) Seed Oil (And) Red 7 Lake (And) Isopropyl Titanium Triisostearate	1
CO25R27A	Ricinus Communis (Castor) Seed Oil (And) Red 27 Lake (And) Isopropyl Titanium Triisostearate	1
CO25R33A	Ricinus Communis (Castor) Seed Oil (And) Red 33 Lake (And) Isopropyl Titanium Triisostearate	1,4
CO30B1A	Ricinus Communis (Castor) Seed Oil (And) Blue 1 Lake (And) Isopropyl Titanium Triisostearate	
CO30R6B	Ricinus Communis (Castor) Seed Oil (And) Red 6 Lake (And) Isopropyl Titanium Triisostearate	1
CO30R30A	Ricinus Communis (Castor) Seed Oil (And) Red 30 Lake (And) Isopropyl Titanium Triisostearate	1
CO35R28A	Ricinus Communis (Castor) Seed Oil (And) Red 28 Lake (And) Isopropyl Titanium Triisostearate	1
CO35Y5A	Ricinus Communis (Castor) Seed Oil (And) Yellow 5 Lake (And) Isopropyl Titanium Triisostearate	

## Dispersions in Esters/Oils





(Recommended for formulations) Preferred Use: Emulsions (W/S, W/O, S/W, O/W) May also be used in Anhydrous non-volatile and volatile systems

Trade Name	INCI Name	
JOH45YJE  	Iron Oxides (CI 77492) (And) Simmondsia Chinensis (Joboba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	
JOH65UJE  	Titanium Dioxide (And) Simmondsia Chinensis (Joboba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	
JOH55RJE  	Iron Oxides (CI 77491) (And) Simmondsia Chinensis (Joboba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	
JOH55BJE  	Iron Oxides (CI 77499) (And) Simmondsia Chinensis (Joboba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	
GCB50YSG	Iron Oxides (CI 77492) (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	
GCB60USG	Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	
GCB65RSG	Iron Oxides (CI 77491) (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	
GCB70BSG	Iron Oxides (CI 77499) (And) Caprylic/Capric Triglyceride (And) Isopropyl Myristate (And) Stearoyl Glutamic Acid (And) Stearalkonium Hectorite (And) Trihydroxystearin (And) Propylene Carbonate	
GCG50TRSG 	Iron Oxides (CI 77491) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid	
GCG50TYSG 	Iron Oxides (CI 77492) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid	
SW50EY	Synthetic Wax (And) Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate	
SW55EB	Synthetic Wax (And) Iron Oxides (CI 77499) (And) Isopropyl Titanium Triisostearate	
SW60ER	Synthetic Wax (And) Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate	
SW65EBR	Synthetic Wax (And) Iron Oxides (And) Isopropyl Titanium Triisostearate	
SW65U	Synthetic Wax (And) Titanium Dioxide (And) Isopropyl Titanium Triisostearate	

(Recommended for formulations) Preferred Use: Anhydrous non-volatile and volatile systems. May also be used in Emulsions (W/S, W/O, S/W, O/W)

SW30B1A	Synthetic Wax (And) Blue 1 Lake (And) Isopropyl Titanium Triisostearate	
SW30R6	Synthetic Wax (And) Red 6 (And) Isopropyl Titanium Triisostearate	1
SW30R30A	Synthetic Wax (And) Red 30 Lake (And) Isopropyl Titanium Triisostearate	1
SW30R33A	Synthetic Wax (And) Red 33 Lake (And) Isopropyl Titanium Triisostearate	1,4
SW40R6B	Synthetic Wax (And) Red 6 Lake (And) Isopropyl Titanium Triisostearate	1
SW40R7C	Synthetic Wax (And) Red 7 Lake (And) Isopropyl Titanium Triisostearate	1
SW40Y5A	Synthetic Wax (And) Yellow 5 Lake (And) Isopropyl Titanium Triisostearate	
SW40Y6A	Synthetic Wax (And) Yellow 6 Lake (And) Isopropyl Titanium Triisostearate	1
SW50R40A	Synthetic Wax (And) Red 40 Lake (And) Isopropyl Titanium Triisostearate	
OD55YJE  	Iron Oxides (CI 77492) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	
OD75BJE  	Iron Oxides (CI 77499) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	
OD75CJE  	Titanium Dioxide (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	
OD75RJE  	Iron Oxides (CI 77491) (And) Octyldodecanol (And) Jojoba Esters (And) Trihydroxystearin	

(Recommended for formulations) Preferred Use: Anhydrous non-volatile gels and hot pours, lip products (sticks and glosses) with high shine properties (polar materials incorporated)

DOP65YSG 	Iron Oxides (CI 77492) (And) Diisostearyl Malate (And) Octyldodecanol (And) Polyglyceryl-2 Triisostearate (And) Stearoyl Glutamic Acid	
DOP65RSG 	Iron Oxides (CI 77491) (And) Diisostearyl Malate (And) Octyldodecanol (And) Polyglyceryl-2 Triisostearate (And) Stearoyl Glutamic Acid	
DOP75BSG 	Iron Oxides (CI 77499) (And) Diisostearyl Malate (And) Octyldodecanol (And) Polyglyceryl-2 Triisostearate (And) Stearoyl Glutamic Acid	
DOP70USG 	Titanium Dioxide (And) Diisostearyl Malate (And) Octyldodecanol (And) Polyglyceryl-2 Triisostearate (And) Stearoyl Glutamic Acid	



 Raw material approved by Ecocert in accordance with the Cosmos and Ecocert Standards

 Raw material approved by Ecocert in accordance with the Cosmos Standard

# KOBO

## Pigmentary Grade Dispersions

www.koboproducts.com

## Dispersions in Silicone Fluids

(Recommended for formulations) Preferred Use: Emulsions (W/S, W/O) May also be used in Anhydrous non-volatile and volatile systems

Trade Name	INCI Name	
CM3K45GYTB <small>New</small>	Iron Oxides (CI 77492) (And) Cyclopentasiloxane (And) PEG-10 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxylethyl Dimethicone (And) Disteardimonium Hectorite (And) Propylene Carbonate	
CM3K55GRTB <small>New</small>	Iron Oxides (CI 77491) (And) Cyclopentasiloxane (And) PEG-10 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxylethyl Dimethicone (And) Disteardimonium Hectorite (And) Propylene Carbonate	
CM3K65GBTB <small>New</small>	Iron Oxides (CI 77499) (And) Cyclopentasiloxane (And) PEG-10 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxylethyl Dimethicone (And) Disteardimonium Hectorite (And) Propylene Carbonate	
CM3K65UTB <small>New</small>	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG-10 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxylethyl Dimethicone (And) Disteardimonium Hectorite (And) Propylene Carbonate	
FAF40TRR	Cyclopentasiloxane (And) Iron Oxides (CI 77491) (And) Lauryl PEG-9 Polydimethylsiloxylethyl Dimethicone (And) Hydrogen Dimethicone (And) PEG/PPG-18/18 Dimethicone	
FAF40TRY	Cyclopentasiloxane (And) Iron Oxides (CI 77492) (And) Lauryl PEG-9 Polydimethylsiloxylethyl Dimethicone (And) Hydrogen Dimethicone (And) PEG/PPG-18/18 Dimethicone	
FAS50EYSI-E	Iron Oxides (CI 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	
FAS55ERSI-E	Iron Oxides (CI 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	
FAS60EBSI-E	Iron Oxides (CI 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	
FAS70CSI-E	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	
FAS70USI-E	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopheryl Acetate	
FAS45Y5SI	Yellow 5 Lake (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	
FAS50R6SI	Red 6 Lake (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	1
FAS50R7SI	Red 7 Lake (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	1
FAS65UVSI	Ultramarines (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	2
FAS50YTB	Iron Oxides (CI 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxylethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	
FAS65RTB	Iron Oxides (CI 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxylethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	
FAS65UTB	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxylethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	
FAS70BTB	Iron Oxides (CI 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxylethyl Dimethicone (And) Disteardimonium Hectorite (And) Tocopheryl Acetate	
FAS50YFS	Iron Oxides (CI 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Perfluorohexylethyl Triethoxysilane (And) Tocopheryl Acetate	
FAS70BFS	Iron Oxides (CI 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Perfluorohexylethyl Triethoxysilane (And) Tocopheryl Acetate	
FAS70CFS	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Perfluorohexylethyl Triethoxysilane (And) Tocopheryl Acetate	
FAS70RFS	Iron Oxides (CI 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Perfluorohexylethyl Triethoxysilane (And) Tocopheryl Acetate	
WE55Y	Iron Oxides (CI 77492) (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate (And) Isopropyl Titanium Triisostearate	
WE70B	Iron Oxides (CI 77499) (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate (And) Isopropyl Titanium Triisostearate	
WE70R	Iron Oxides (CI 77491) (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate (And) Isopropyl Titanium Triisostearate	
WE70U	Titanium Dioxide (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate (And) Isopropyl Titanium Triisostearate	
WE30B1A	Blue 1 Lake (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate (And) Isopropyl Titanium Triisostearate	
WE30R6B	Red 6 Lake (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate (And) Isopropyl Titanium Triisostearate	1
WE30R7C	Red 7 Lake (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate (And) Isopropyl Titanium Triisostearate	1
WE30Y5A	Yellow 5 Lake (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate (And) Isopropyl Titanium Triisostearate	



## Dispersions in Non-D5 Silicones

(Recommended for formulations) Preferred Use: Emulsions (W/S, W/O) May also be used in Anhydrous systems

Trade Name	INCI Name	
FADM55YTB	Iron Oxides (CI 77492) (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	
FADM55RTB	Iron Oxides (CI 77491) (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	
FADM60BTB	Iron Oxides (CI 77499) (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	
FADM65UTB	Titanium Dioxide (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone (And) Tocopheryl Acetate	
FAND45UBSI	Ultramarines (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	2
FAND45YSI	Iron Oxides (CI 77492)(And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	
FAND55RSI	Iron Oxides (CI 77491) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	
FAND60BSI	Iron Oxides (CI 77499) (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	
FAND65CSI	Titanium Dioxide (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	
FAND65USI	Titanium Dioxide (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	
FAND35B1SI	Blue 1 Lake (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	
FAND35R33SI	Red 33 Lake (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	1,4
FAND35Y5SI	Yellow 5 Lake (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	
FAND50R6BSI	Red 6 Lake (And) Dimethicone (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	1
PT1BM30R7C	Phenyl Trimethicone (And) Red 7 Lake (And) Isopropyl Titanium Triisostearate (And) Distearidimonium Hectorite (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	1
PT1BM35B1A	Phenyl Trimethicone (And) Blue 1 Lake (And) Silica (And) Isopropyl Titanium Triisostearate (And) Distearidimonium Hectorite (And) 1,2-Hexanediol (And) Caprylyl Glycol	
PT1BM40R28A	Phenyl Trimethicone (And) Red 28 Lake (And) Silica (And) Isopropyl Titanium Triisostearate (And) Distearidimonium Hectorite (And) 1,2-Hexanediol (And) Caprylyl Glycol	1
PT1BM40R6B	Phenyl Trimethicone (And) Red 6 Lake (And) Silica (And) Isopropyl Titanium Triisostearate (And) Distearidimonium Hectorite (And) 1,2-Hexanediol (And) Caprylyl Glycol	1
PT1BM50Y5A	Phenyl Trimethicone (And) Yellow 5 Lake (And) Isopropyl Titanium Triisostearate (And) Distearidimonium Hectorite (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	
PT1BM40Y	Phenyl Trimethicone (And) Iron Oxides (CI 77492) (And) Silica (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol	
PT1BM60B	Iron Oxides (CI 77499) (And) Phenyl Trimethicone (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	
PT1BM70R	Iron Oxides (CI 77491) (And) Phenyl Trimethicone (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Silica (And) 1,2-Hexanediol (And) Caprylyl Glycol	
PT1BM70U	Titanium Dioxide (And) Phenyl Trimethicone (And) Distearidimonium Hectorite (And) Isopropyl Titanium Triisostearate (And) 1,2-Hexanediol (And) Caprylyl Glycol (And) Silica	



## Dispersions in Non-D5 Volatile Carriers

(Recommended for formulations) Preferred Use: Cold Emulsions (W/S, W/O) May also be used in Anhydrous volatile systems

PMLVP20CB	Isododecane (And) Isohexadecane (And) Black 2 (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer	
PMLVP40R7D	Isododecane (And) Red 7 Lake (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	1
PMLVP45B1A	Blue 1 Lake (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	
PMLVP50R28A	Red 28 Lake (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	1
PMLVP55Y5A	Yellow 5 Lake (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	
PMLVP60R40A	Red 40 Lake (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	5
PMLVP65Y	Iron Oxides (CI 77492) (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	
PMLVP70UB	Ultramarines (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Triethoxycaprylylsilane	2
PMLVP75B	Iron Oxides (CI 77499) (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	
PMLVP75BR	Iron Oxides (And) Isododecane (And) Isohexadecane (And) Talc (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	
PMLVP75C	Titanium Dioxide (And) Isododecane (And) Isohexadecane (And) Isopropyl Titanium Triisostearate (And) Lecithin (And) Ethylene/Propylene/Styrene Copolymer (And) Polyhydroxystearic Acid (And) Butylene/Ethylene/Styrene Copolymer	
PMLVP75R	Iron Oxides (CI 77491) (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer (And) Isopropyl Titanium Triisostearate	

## Dispersions in Non-D5 Volatile Carriers

(Recommended for formulations) Preferred Use: Emulsions (W/S, W/O) May also be used in Anhydrous volatile systems

 DIM2F45TRY	Dimethicone (And) Iron Oxides (CI 77492) (And) PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	
 DIM2F50TRR	Dimethicone (And) Iron Oxides (CI 77491) (And) PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	





## Dispersions in Aqueous Acrylic Resin

(Recommended for formulations) Preferred Use: Emulsions (O/W, S/W, W/O, W/S) or Aqueous Suspensions














 WSJ10CB-NP	Black 2 (And) PEG-40 Hydrogenated Castor Oil (And) Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Aminomethyl Propanol (And) Sodium Dehydroacetate	
 WSJ20BFF <sup>New</sup>	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Ferric Ammonium Ferrocyanide (And) Aminomethyl Propanol	2
 WSJ20EBAMP-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (CI 77499) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	
 WSJ20EYAMP-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (CI 77492) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	
 WSJ22BNF-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (CI 77499) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	
 WSJ22ERAMP-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (CI 77491) (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	
 WSJ22UPAMP-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Ultramarines (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	2
 WSJ24UBAMP-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Ultramarines (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	2
 WSJ28PFAMP-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Titanium Dioxide (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Alumina (And) Aminomethyl Propanol	
 WSJ30CGAMP-O	Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Chromium Oxide Greens (And) Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol	2

## Dispersions in Water / Glycols

(Recommended for formulations) Preferred Use: Hair Products

 BG45GYQ	Iron Oxides (CI 77492) (And) Butylene Glycol (And) Water (And) Polyquaternium-7	
 BG55GBQ	Iron Oxides (CI 77499) (And) Butylene Glycol (And) Water (And) Polyquaternium-7	
 BG60GRQ	Iron Oxides (CI 77491) (And) Butylene Glycol (And) Water (And) Polyquaternium-7	
 BG60PFCQ	Titanium Dioxide (And) Butylene Glycol (And) Water (And) Polyquaternium-7 (And) Alumina	

(Recommended for formulations) Preferred Use: O/W Emulsions or Aqueous gels

 GLW45GYSP	Iron Oxides (CI 77492) (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	
 GLW55GRSP	Iron Oxides (CI 77491) (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	
 GLW60GBSP	Iron Oxides (CI 77499) (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	
 GLW75PFSP	Titanium Dioxide (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	
 GLW65CGCSP <sup>New</sup>	Chromium Oxide Greens (And) Water (And) Glycerin (And) Sodium Polyacrylate (And) Cellulose Gum	2
 W60BBNFAP-O	Iron Oxides (CI 77499) (And) Water (And) Ammonium Polyacrylate	
 WBG20CB	Water (And) Black 2 (And) Butylene Glycol (And) Disodium Lauryl Phenyl Ether Disulfonate (And) Cellulose Gum (And) Dimethicone	
 WBG45WYSP	Iron Oxides (CI 77492) (And) Water (And) Butylene Glycol (And) Cellulose Gum (And) Sodium Polyacrylate	
 WBG50BFF <sup>New</sup>	Ferric Ammonium Ferrocyanide (And) Water (And) Butylene Glycol (And) Sodium Polyacrylate	2
 WBG55BNFSP <sup>New</sup>	Iron Oxides (CI 77499) (And) Water (And) Butylene Glycol (And) Cellulose Gum (And) Sodium Polyacrylate	
 WBG55WRSP	Iron Oxides (CI 77491) (And) Water (And) Butylene Glycol (And) Cellulose Gum (And) Sodium Polyacrylate	
 WBG60WBSP	Iron Oxides (CI 77499) (And) Water (And) Butylene Glycol (And) Cellulose Gum (And) Sodium Polyacrylate	
 WBG75PFSP	Titanium Dioxide (And) Water (And) Butylene Glycol (And) Sodium Polyacrylate	

1 Not suitable for use in eye area

2 Not suitable for use in lipsticks and other ingested products

3 Max allowed concentration of Red 36 in lip products is 3%

4 Max allowed concentration of dye in Red 33 lake in lip products is 3%

5 FD&C Red No. 40 Aluminum Lake shall not be exposed to oxidizing or reducing agents that may affect the integrity of the color

### Formula Scale-Up Guidelines for Pigmentary Dispersion addition - using Propeller Blade:

Take a portion of the formula's primary diluent carrier or base and pre-mix using a propeller blade with the pigmentary dispersion phase in a side kettle until uniform. Perform drawdown of pre-mix phase and conduct a visual observation between glass slides to ensure uniformity prior to addition to main vessel. Pre-mix should safely be added to main vessel while propeller and sweep agitation is on low.

### Formula Scale-Up Guidelines for Pigmentary Dispersion addition - using Homogenizer:

Take a portion of the formula's primary diluent carrier or base and pre-mix using a homogenizer with the pigmentary dispersion phase in a side kettle until uniform. Perform drawdown of pre-mix phase and conduct a visual observation between glass slides to ensure uniformity prior to addition to main vessel. Pre-mix should safely be added to main vessel while homogenizer is on, re-circulate batch as needed.

Note: Proper consumer panel studies and testing are necessary to insure the stability of organic pigments & lakes in emulsions products and during use.



KEL-024

## Felt Tip Liquid Eye Liner

#### Part 1

• Deionized Water	51.95%
• Exilva FM 02-L - Borregaard/Kobo Products: Water (And) Cellulose	0.10%
• Edeta® BD- BASF: Disodium EDTA	0.05%

#### Part 2

• Butylene Glycol - Pride Solvents & Chemicals Co. of NJ, Inc.: Butylene Glycol	1.00%
• Zemea™ Propanediol - Dupont Tate & Lyle: Propanediol	1.00%
• Euxyl® PE 9010 - Schulke & Mayr: Phenoxyethanol (And) Ethylhexylglycerin	0.90%

#### Part 3

• WSJ10CB-NP - Kobo Products: Black 2 (And) PEG-40 Hydrogenated Castor Oil (And) Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Aminomethyl Propanol (And) Sodium Dehydroacetate	40.00%
---	--------

#### Part 4

• Ethanol 24,511-9 - Aldrich Chemical Co.: Ethyl Alcohol	5.00%
--	-------

#### Manufacturing Procedure

1. Homogenize Part 1 until fully dispersed.
2. Add Part 2 to Part 1 until uniform.
3. Add Part 3 to Batch until homogeneous.
4. Add Part 4 to batch until uniform.

#### Description

This Felt Tip Liquid Eye Liner features Kobo's Carbon Black dispersion, **WSJ10CB-NP**. This blackest black dispersion creates a deep, intense, black color and adds film-forming properties. Exilva FM 02-V exhibits the unique property of thinning under shear (package contains shaking ball), so product can be mixed easily and then return to its original gel-like state for precise, non-skipping line application.



KLP-241

## Lip and Cheek Touch-Up

#### Part 1

• Eutanol® G - BASF: Octyldodecanol	24.80%
• INWP65U - Kobo Products: Titanium Dioxide (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	11.90%
• INWP45R7C - Kobo Products: Red 7 Lake (And) Isononyl Isononanoate (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	10.80%
• Elefac® I-205 - Bernel: Octyldodecyl Neopentanoate	10.50%
• KOBOGUARD® 5400 SQ - Kobo Products: Hydrogenated Polycyclopentadiene (And) Squalane	10.00%
• ASO-I2 - Kobo Products: Aluminum Starch Octenylsuccinate (And) Isopropyl Titanium Triisostearate	4.00%
• Versagel® MC1600 - Penreco: Isohexadecane (And) Ethylene/Propylene/Styrene Copolymer (And) Butylene/Ethylene/Styrene Copolymer	2.00%
• INWP50R33A - Kobo Products: Isononyl Isononanoate (And) Red 33 Lake (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	1.60%
• INWP50Y5A - Kobo Products: Isononyl Isononanoate (And) Yellow 5 Lake (And) Ozokerite (And) Isopropyl Titanium Triisostearate (And) Polyhydroxystearic Acid	1.10%
• Sunlec® FS - Perimondo, LLC: Lecithin	1.00%

#### Part 2

• Bentone® 38 V CG - Elementis: Distardimonium Hectorite	1.00%
--	-------

#### Part 3

• COSMOL™ 43V - Ikeda: Polyglyceryl-2 Triisostearate	6.00%
--	-------

#### Part 4

• Permalene® PL Polyethylene - New Phase: Polyethylene	4.35%
• CANDELILLA WAX - Strahl & Pitsch: Euphorbia Cerifera (Candelilla) Wax	3.25%
• Microcrystalline Wax SP-89 - Strahl & Pitsch: Microcrystalline Wax	2.20%
• Carnauba Wax SP 63P - Strahl & Pitsch: Copernicia Cerifera (Carnauba) Wax	1.10%

#### Part 5

• MSS-500/N - Kobo Products: Silica	2.00%
• MSP-822 - Kobo Products: Polymethyl Methacrylate	2.00%
• SILICA SHELLS - Kobo Products: Silica	0.40%

#### Manufacturing Procedure

1. Combine Part 1. Homogenize until fully dispersed.
2. Add Part 2 while homogenizing then add Part 3 until uniform.
3. Switch to prop mix then add Part 4 at 85°C.
4. Add part 5 until homogeneous.
5. Pour into molds at 75°C.

#### Description

This multi-use lip and cheek formula is easy-to-apply and provides buildable, blendable, rose lip and blush color. It features Kobo's creamy **INWP Pigmentary Dispersions**, which ease the manufacturing and laboratory process by melting into the batch around 75-80°C. KOBOGUARD® 5400 SQ, resin composite, gives quick build up with a water-resistant film and aids in long wear. ASO-I2, an ITT treated starch provides a creamy feel to the lips and cheeks and absorbs excess sebum. MSS-500/N gives an excellent application and soft focus effect to help blur the appearance of lines and wrinkles on the lips and face. MSP-822 is a microsphere that adds a luxurious, creamy texture. SILICA SHELLS gives a velvet-like effect on the lips and cheeks.



KSL-421-BR

## Natural, Tinted Sunscreen with IR Protection



### Part 1

● Deionized Water - Water	19.87%
● Glicerina Bi-Destilada U.S.P. - Synth: Glycerin	1.50%
● Cloreto de Sódio - CAAL: Sodium Chloride	0.50%

### Part 2

● GC70MZCSG - Kobo Products: Zinc Oxide (And) Caprylic/Capric Triglyceride (And) Stearoyl Glutamic Acid (And) Glycerol Behenate/Eicosadioate	22.00%
● Tegosoft® CT - Evonik: Caprylic/Capric Triglyceride	15.50%
● JOSP50TJE - Kobo Products: Simmondsia Chinensis (Jojoba) Seed Oil (And) Titanium Dioxide (And) Aluminum Hydroxide (And) Jojoba Esters (And) Polyhydroxystearic Acid	15.00%
● JOH45YJE - Kobo Products: Iron Oxides (CI 77492) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	5.22%
● TiO2-IR300-ASG3 - Kobo Products: Titanium Dioxide (And) Stearoyl Glutamic Acid	5.00%
● Emulium® Illustro - Gattefossé/MCassab: Polyglyceryl-6 Polyhydroxystearate (and) Polyglyceryl-6 Polyricinoleate	3.50%
● JOH65UJE - Kobo Products: Titanium Dioxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	2.71%
● SunBoost ATB Natural - Kobo Products: Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	2.00%
● Olivem® 900 - Hallstar/Quantiq: Sorbitan Oliviate	1.50%
● JOH55RJE - Kobo Products: Iron Oxides (CI 77491) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	1.13%
● Tecwax Abelha - Cosmotec: Beeswax	0.50%
● JOH55BJE - Kobo Products: Iron Oxides (CI 77499) (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Jojoba Esters (And) Polyglyceryl-6 Polyricinoleate (And) Silica	0.47%
● SALACOS® HS-6C - Ikeda/Kobo Products: Polyhydroxystearic Acid	0.10%

### Part 3

● Lexgard® Natural - Inolex: Glyceryl Caprylate (and) Glyceryl Undecylenate	1.00%
---	-------

### Part 4

● MSS-500/3H - Kobo Products: Silica	1.70%
● FLORITE PS-10 - Kobo Products: Calcium Silicate	0.80%

### Manufacturing Procedure

1. Combine Part 1 and heat to 75°C.
2. Combine Part 2, Mix until homogeneous and heat to 75°C.
3. Add Part 1 slowly under stirring to Part 2 and mix until homogeneous.
4. Cool to 50°C and add Parts 3 and 4. Mix until homogeneous.
5. Cool to 25°C under stirring.

### Description

This Natural Tinted Sunscreen, composed of only mineral filters, was developed to protect skin from UVA, UVB and IR radiation. It features natural dispersions JOSP50TJE, TiO<sub>2</sub> in Jojoba Oil, and GC70MZCSG, ZnO in Caprylic/Capric Triglyceride to provide UVB and UVA protection. SunBoost ATB Natural is a proprietary ratio of antioxidant, anti-irritant and anti-inflammatory agents, that boosts SPF and PFA. TiO<sub>2</sub>-IR300-ASG3, Titanium Dioxide treated with amino acid, provides IR protection. Kobo's JOH Pigmentary Dispersions based on natural oils and dispersants, provide full color development and ease of use. SALACOS® HS-6C, helps in sunscreen dispersion. Calcium silicate microsphere FLORITE PS-10 and silica microsphere MSS-500/3H contribute to a non-oily after feel while MSS-500/3H also imparts creaminess.

### Active Ingredient(s):

Titanium Dioxide	5.85%
Zinc Oxide	14.96%

### Testing:

SPF: in vivo on 3 subjects  
UVA-PF: in vivo on 3 subjects

### Notes:

CW: 381nm; tested using ISO 24443: 2012 methodology



KMU-034B

## Dewy Stick

### Part 1

● Jeechem CEO - Jeen International: Cetearyl 2-Ethylhexanoate	52.85%
● PM WAX 82 - Toray/Kobo Products: Polyethylene (And) Microcrystalline Wax	10.00%
● HL7M5 - Kobo Products: Hydrogenated Polyisobutene (And) Silica	8.00%
● Eutanol® G - BASF: Octyldodecanol	2.00%

### Part 2

● SW65U - Kobo Products: Synthetic Wax (And) Titanium Dioxide (And) Isopropyl Titanium Triisostearate	1.69%
● SW50EY - Kobo Products: Synthetic Wax (And) Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate	0.35%
● SW60ER - Kobo Products: Synthetic Wax (And) Iron Oxides (CI 77491) (And) Isopropyl Titanium Triisostearate	0.07%
● SW55EB - Kobo Products: Synthetic Wax (And) Iron Oxides (CI 77499) (And) Isopropyl Titanium Triisostearate	0.04%

### Part 3

● BPA-500 - Kobo Products: Polymethyl Methacrylate	10.00%
● MSS-500W - Kobo Products: Silica	10.00%
● SILICA SHELLS-SH - Kobo Products: Silica (And) Methoxy Amodimethicone/Silsesquioxane Copolymer	1.00%

### Part 4

● K-RAY® SM MICRO WHITE - Kobo Products: Synthetic Fluorophlogopite (And) Titanium Dioxide	3.80%
● KTZ® EXTRAFINE SUNGLOW - Kobo Products: Mica (And) Iron Oxides (CI 77491)	0.20%

### Manufacturing Procedure

1. Combine ingredients in Part 1 and heat to 85°C.
2. Add Part 2 to Part 1 and mix until uniform.
3. Slowly add Part 3 to main beaker.
4. Slowly add Part 4 and mix until uniform.
5. Pour into components at 85°C.

### Description

This dewy foundation stick adds color, youthful glow and soft sheen luminosity to the face. The formula features Kobo's SW dispersions which help impart a background color to the stick. HL7M5, a fumed silica gellant in Hydrogenated Polyisobutene, aids in emolliency. PM WAX 82 gives structure to the stick. The blend of microspheres, MSS-500W, BPA-500 and SILICA SHELLS-SH, improves payoff and enhances skin feel. The combination of K-RAY® SM MICRO WHITE and KTZ® EXTRAFINE SUNGLOW give the formula a unique pearlescent effect and impart a healthy, dewy glow to the skin.

# KOBO

## Pigmentary Grade Dispersions

www.koboproducts.com