




MIGLYOL® 8810

INCI: Butylene Glycol Dicaprylate/Dicaprate

-  Emollient with good spreadability
-  Very low viscosity
-  Non-oily skin feeling

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1. Description:

MIGLYOL® 8810 is an ester based on 1,3-Butanediol and caprylic/capric fatty acids derived from coconut- and palm kernel oil. It is a saturated, non-oxidizing neutral oil used e.g. in hypo-allergenic cosmetics as a non-sensitizing oil component. MIGLYOL® 8810 is a low- viscosity, colorless oil with neutral odor and taste.

2. Chemical and Physical Properties:

Tests	Value	Unit
Acid value	max. 0.1	mg KOH/g
Saponification value	295 - 315	mg KOH/g
Hydroxyl value	max. 5	mg KOH/g
Iodine value	max. 1.0	g I ₂ /100 g
Refractive index	1,442 – 1,444	
Specific gravity *	0,91 – 0,93	g/cm ³
Heavy metals	max. 10	°C

* not included in CoA

3. Application:

It is soluble in ethanol, diethyl ether, n-hexane, fatty oils and is virtually insoluble in water. It is free of any stabilizers.

MIGLYOL® 8810, like MIGLYOL® 812 and MIGLYOL® 840, is a polar ester oil with a similar cloud point of minus 10°C and can easily be emulsified.






Cosmetic Functions:

Owing to its low irritation potential and its excellent spreadability MIGLYOL® 8810 is well-suited for products for sensitive skin areas (mascara, make-up remover, baby skin etc.). MIGLYOL® 8810 has a very low viscosity and therefore spreads easily on the skin.

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Thus MIGLYOL® 8810 use is suggested for:

-  Sun Care
-  Lip care
-  Facial crème for day and night
-  Facial foundations
-  Bath applications

4. Formulation Guide

Light Moisturizing W/O Lotion - for sensitive skin		561
Phase A		
IMWITOR® 600¹	Polyglyceryl-3 Polyricinoleate	3,00
MIGLYOL® 818¹	Caprylic/Capric/Linoleic Triglyceride	7,00
MIGLYOL® 840¹	Propylene Glycol Dicaprylate/Dicaprate	2,50
MIGLYOL® 8810¹	Butylene Glycol Dicaprylate/Dicaprate	17,00
SOFTIGEN® 701¹	Glyceryl Ricinoleate	1,50
Olive Oil	Olea Europaea	2,50
Bees Wax	Cera Alba	0,50
Phase B		
CremerGLYC¹	Glycerine	2,00
Magnesium Sulfate 7H ₂ O	Magnesium Sulfate	1,20
Preservatives		q.s.
Demin. Aqua	Aqua	ad 100,00
Phase C		
Tocopherol		0,50
Fragrance	Fragrance	q.s.

Procedure:


1. Heat Phase A and B separately to approx. 75-80 °C.
2. Add Phase A to Phase B with stirring. Homogenize.
3. Cool Phase A/B with gentle stirring to approx. 30 °C.
4. Add Phase C to the emulsion.


Supplier References:

¹Cremer Care


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 multitainer with 25 kg

 drum with 190 kg

 container with 930 kg

 Protect from light and moisture

 Shelf life 3 years

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