



CremerCOOR™ PPD 810 veg.

INCI: 1,3 Propanediol Dicaprylate/Dicaprate (proposed)



Emollient



100% Vegetable derived



Light and non-oily skin feeling

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CAS-Nr: 1072005-10-7

1. Description:

CremerCOOR™ PPD 810 veg. is a mixed diester made of 1,3 propanediol and a defined blend of fractionated fatty acids of vegetable origin. The 1,3 propanediol is derived by fermentation of corn sugar.

The mild odor, non-oily character and excellent compatibility together with the 100% vegetable source of ingredients make it the right choice for a wide range of natural or organic personal care and cosmetic applications.

2. Chemical and Physical Properties:

Characteristics	Specification	Unit
Appearance	Colorless, transparent liquid	
Odor	Faintly fatty	
Refraction Index (n_D^{20})	1,4420-1,4450	
Viscosity (20°C)	8,0 - 12,0	mPa s
Color APHA	max. 50	
Acid value	max. 0,3	mg KOH/g
Saponification value	305 - 335	mg KOH/g
Iodine value	max. 0,5	g I/100g
Water content (KF)	max. 0,1	%

3. Application:








CremerCOOR™ PPD 810 veg. is a polar oil component with a medium to high spreading capability and can be easily incorporated in emulsion formulations by simply adding it to the oil phase in hot or cold processes.

The pH value of the final formulation should range between pH 5 and 7.

Cosmetic Functions:

CremerCOOR™ PPD 810 veg. acts as an emollient and leaves a light, non-oily smooth and velvet skin sensation. It shows excellent dispersing and dissolving properties for pigments and sunscreens. The low viscosity makes it particularly suitable for the use in wet wipe lotions.

Thus CremerCOOR™ PPD 810 veg. use is suggested for:

-  Day creams
-  Body lotions
-  Sun protection products
-  Foundations
-  Lip sticks
-  Baby care
-  Wet wipe cleansing lotions

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4. Formulation Guide:

Natural Hand Care

130415-1

Material	% w/w	Supplier	Description
AQUEOUS PHASE			
Demin Aqua Aqua	ad. 100		Mix the aqueous phase and heat up to 75°C. At 75°C add Symdiol 68T to the mixture. Adjust the pH-value to 5,5.
Keltrol CG-RD Xanthan Gum	0,5	CP Kelco	
Glycerin (USP/Ph.Eur.) 99,5% Glycerin	3	Cremer Care	
Lactic Acid Lactic Acid	q.s.	Merck	
Symdiol 68T 1,2-Hexandiol, Caprylyl Glycol, Trisopolone	1	Symrise	
OIL PHASE			
Cetearylalkohol Cetearylalkohol	4	Cremer Care	Mix the oil phase and heat up to 75°C. At 75°C add Rosmarinic Acid to the phase.
Glycerylmonostearate Glyceryl Monostearate	2	Cremer Care	
Cetylstearylalkohol Cetylstearylalkohol	4	Cremer Care	Emulsify the oil phase slowly to the aqueous phase Start to cool down under medium stirring
Sunflower oil Helianthus Annuus Oil	3	Cremer Care	
Jojoba oil Simmondsia Chinensis Oil	4	Cremer Care	
CremerCOOR® PPD 810 veg. 1,3 Propanediol Dicaprylate/Dicaprate	5	Cremer Care	
Rosmarinic acid Rosamrinic Acid	0,5		
FRAGRANCE PHASE			
Fragrance Fragrance	1	Fragrance	Add the fragrance below 40°C and cool down under medium stirring.

Mild Cleansing Lotion (for wet wipes)

130415-2

Material	% w/w	Supplier	Description
Aqueous Phase			
CremerCOOR® PG2 C10 Polyglyceryl-2 Caprate	2	Cremer Care	Mix the ingredients in the given order.
Cremerest Organic MCT coconut based Caprylic/Capric Triglyceride	0,5	Cremer Care	
CremerCOOR® PPD 810 veg. 1,3 Propanediol Dicaprylate/Dicaprate	4	Cremer Care	
Plantacare 810 Caprylyl/Capryl Glucoside	2,5	Cognis	
Aqua Aqua	ad. 100		
Fragrance Fragrance	1		
Optiphen BSB-N Sodiumbenzoat, Potassiumsorbat, Benzylalkohol	q.s.	ISP	

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- ✓ jerry can with 25 kg
- ✓ PE- drum with 190 kg
- ✓ IBC with 900 kg

- ✓ Store at ambient temperature
- ✓ Protect from freezing
- ✓ Shelf life 18 months

March 2011

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