

CremerCOOR[®] DO

INCI: Decyl Oleate



Emollient



Medium Spreading



For dry skin

CremerCOOR® DO

INCI: Decyl Oleate

1. Description:

CremerCOOR® DO is a monoester made of decyl alcohol and oleic acid. Both components are of vegetable origin.

A non-oily character and excellent compatibility make it the right choice for a wide range of personal care and cosmetic applications.

2. Chemical and Physical Properties:

Characteristics	Specification	Unit
Appearance	Slightly yellowish, transparent liquid	
Odor	Characteristic fatty	
Refraction Index (n_D^{20})	1,4555 - 1,4575	
Viscosity (20°C)	15 -20	mPas
Acid value	max. 1	mg KOH/g
Saponification value	130 – 140	mg KOH/g
Iodine value	55 – 65	g I/100g
Hydroxyl value	max. 2	mg KOH/g

3. Application:






CremerCOOR® DO is an oil component with medium polarity and a fast spreading capability. It 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® DO acts as an emollient and leaves a light, non-oily smooth and velvet skin sensation. Due to its similar structure to skin lipids it supports the barrier function of the skin. It reduces the tackiness of formulations containing heavy oils.

Thus CremerCOOR® DO use is suggested for:

-  Caring creams for dry skin
-  Hand and Nail Care
-  Foot Care
-  Lotions
-  Body Oils

CremerCOOR® DO

INCI: Decyl Oleate

4. Formulation Guide:

Cold Cream		130716-1
Phase A		
Demin. Aqua	Aqua	ad 100,00
CremerGLYC¹	Glycerine	7,00
Lactic Acid	Lactic Acid	q.s.
SymDiol® 68T ²	1,2-Hexanediol, Caprylyl Glycol, Tropolone	q.s.
Phase B		
Tego® Care 450 ³	Polyglyceryl-3 Methylglucose Distearate	3,00
CremerCOOR® GMS¹	Glyceryl Stearate SE	2,00
CremerAL 1618 30/70¹	Cetearyl Alcohol	3,00
Cremerlin® PURA¹	Olus Oil	12,00
CremerCOOR® DO¹	Decyl Oleate	4,00
CremerVERO Shea Butter organic¹	Butyrospermum Parkii Butter	5,00
Phase C		
Fragrance	Fragrance	q.s.

Procedure:

1. Mix Phase A and heat up to 75°C. At 75°C add SymDiol® 68T to the mixture. Adjust the pH-value to 5,5.
2. Mix Phase B and heat up to 75°C. Emulsify Phase B slowly to Phase A under stirring. Start to cool down under medium stirring.
3. Add Phase C below 40°C under stirring and cool down to room temperature

Product Properties:

Appearance: white viscous emulsion
 pH: 5,5 – 6,0
 Viscosity: 40.000 – 70.000 mPas LVDV-1 prime, Spindle 3, Speed 12

Stability:

Centrifugation: No separation 15min., 4000rpm
 Stability for 3 month at three different temperatures.

Supplier References:




¹Cremer Care




²Symrise

³Evonik

CremerCOOR® DO

INCI: Decyl Oleate

-  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 2013

“All information and further technical advice (“Information”) are presented in good faith and believed to be correct and based on Cremer Oleo GmbH & Co KG’s (including all group companies) present technical knowledge. Cremer Oleo GmbH & Co KG makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. As far as legally possible Cremer Oleo GmbH & Co KG will not be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. Cremer Oleo GmbH & Co KG reserves the right to make any changes according to technological progress or further developments in its sole discretion.

In particular, Cremer Oleo GmbH & Co KG makes NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, THAT THE PRODUCTS TO WHICH THE INFORMATION REFERS MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS, OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS. IN NO CASE SHALL THE INFORMATION BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.”