




CremerCOOR[®] PG4 Cocoate

INCI: Polyglyceryl-4 Cocoate

-  Nonionic Surfactant
-  Moisturizer
-  Skin Conditioner

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1. Description:

CremerCOOR® PG4 Cocoate is a non-ionic co-surfactant for Hair and Body Care made from polyglycerol and C12 –C18 fatty acid mixture from coconut oil with an approximate HLB value of 12.

2. Typical Chemical and Physical Properties:

Characteristics	Specification	Unit
Appearance*	Viscous hazy liquid	
Odor*	Light typical fatty	
Acid value	max. 1	mg KOH/g
Saponification value	115 - 135	mg KOH/g
Iodine value	max. 10	gI / 100g
Water content	max. 0.5	%

* not included in Certificate of Analysis

3. Application:





CremerCOOR® PG4 cocoate should be heated to about 40 °C in order to decrease the viscosity of the product. It can be easily incorporated in all kind of surfactant solutions (anionic, amphoteric, nonionic or cationic) by gentle stirring.

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Cosmetic Functions:

CremerCOOR® PG4 cocoate acts as co-surfactant

-  moisturizing
-  conditioning / re-fatting
-  foam enhancing
-  solubilising

In combination with other surfactants, it can be beneficially incorporated in all kind of cleansing liquid personal care products like to improve skin feeling, mildness, foam characteristics and to ease the formulation of hydrophobic ingredients like fragrances or oil components.

Thus CremerCOOR® PG4 Cocoate use is suggested for:

-  Shower gels
-  Shampoos
-  Liquid hand soaps
-  Facial cleansers

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4. Formulation Guide:

Cleansing Foam		130402-1
Phase A		
Demin. Aqua	Aqua	ad 100.00
Plantacare® 810 ²	Caprylyl/Capryl Glucoside	20.00
CremerCOOR® PG4 Cocoate¹	Polyglyceryl-4 Cocoate	5.00
Citric Acid	Citric Acid	q.s.
Fragrance	Fragrance	q.s.

Procedure:

Mix the ingredients in the given order.

Product Properties:

Appearance: clear, liquid solution
 pH: 5.0 – 5.5
 Viscosity: as water

Stability:

Stability for 3 month at three different temperatures.

Supplier References:

¹Cremer Care

²BASF

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Cleansing Soap Foam		130409-1
Phase A		
Demin. Aqua	Aqua	ad 100.00
CremerSAP Liquid Soap¹	Aqua, Potassium Cocoate / Potassium Palm Kernelate	45.00
CremerCOOR® PG4 Cocoate¹	Polyglyceryl-4 Cocoate	45.00
Fragrance	Fragrance	q.s.

Procedure:

Mix the ingredients in the given order.

Product Properties:




Appearance: clear, liquid solution
pH: 5.0 – 5.5
Viscosity: as Water




Stability:

Stability for 3 month at three different temperatures.

Supplier References:

¹Cremer Care

 Hobbocks with 25 kg
 drum with 190 kg
 IBC with 900 kg

 Store at temperature below 25°C
 Protect from light and moisture
 Shelf life 18 months

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