



EWOCREAM®

W/O emulsifier



COSMOS APPROVED

FOCUS INFO

INCI NAME

Polyglyceryl-3 Sorbityl Linseedate

SPECIFICATIONS

Aspect:	oily liquid
Color:	amber
Acidity value:	max 8.00 mg KOH/g
Hydroxyl value:	45.00-65.00 mg KOH/g
Iodine value:	max 70.0 g I ₂ /100g
Saponification value:	190.00-220.00 mg KOH/g
Peroxide value:	max 20.00 meq O ₂ /Kg
Theoretical HLB:	5 ± 1
% H ₂ O (K.F.):	max 1.0

COSMETIC APPLICATIONS

Hyper-nourishing and skin barrier creams.



VEGETABLE ORIGIN



SAFE PROFILE

DESCRIPTION

Non ionic W/O emulsifier obtained by transesterification of glycerol and sorbitol with fatty acids derived from Linseed oil, by a microwave irradiation technique (M.O.R.E.) that allows to obtain chemical reactions without solvents and in less time than the conventional process. 100% sustainable.

PROPERTIES

It forms a polymeric structure able to gelify with water phase giving a high stability to the formulations. It is suitable for both cold and hot emulsification processes and thanks to its emollient properties it is suitable for sensitive and delicate skins. In sun care products Ewocream® enhances water resistant properties thanks to its hydrophobic features.

HIGHLIGHTS

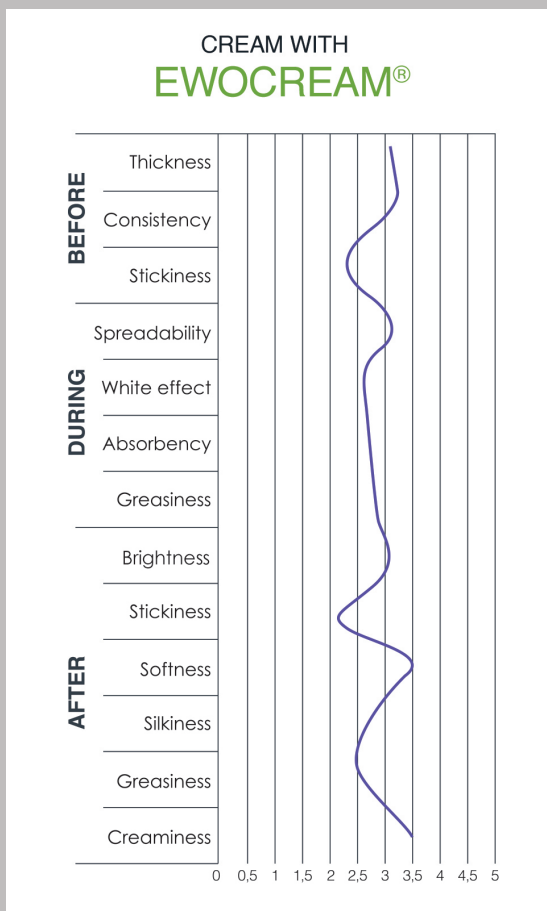
- Suitable for cold processes
- Good viscosity range
- Skin barrier enhancer
- Emollient properties

TECHNICAL BENEFITS

- Sustainable manufacturing processes
- Energy and waste saving
- Sustainable, green claim
- Deeper skin hydration
- Nourishing effect with soft texture
- Linseed oil properties

SKIN FEELING

Ewocream® forms rich and nourishing emulsions with a soft skin feeling. It leaves the skin supple and hydrated.



BABY TENDER CREAM

INGREDIENTS	PHASE	%w/w
EWOCREAM® (Polyglyceryl-3 Sorbityl Linseedate)	A	5,00
Methyl Glucose Dioleate	A	2,50
Cetearyl Isononanoate	A	5,00
Dicaprylyl Ether	A	5,00
Squalane		5,00
Wax Olea (Hydrogenated Vegetable Oil, Olea europea fruit oil, Tocopherol)	A	0,70
Hydrogenated Castor Oil	A	0,50
Heptyl Undecylenate	A	0,50
Lecithin, Tocopherol, Ascorbyl Palmitate, Citric Acid	A	0,05
Tocopherol	A	0,10
Water	B	to 100
Panthenol Glycerol	B	3,00
Magnesium Sulfate	B	0,90
Sodium Benzoate	B	0,20
Gluconolactone (and) Sodium Benzoate (and) Calcium Gluconate	B	1,20
Trisolve® (Trehalose, Ceramide NS, Cholesterol, Hydrogenated Lecithin)	C	1,00
Butylene Glycol (and) Pentylene Glycol (and) Hydroxyphenyl Propamidobenzoic Acid	C	1,00
Avenolat (Avena sativa Kernal Extract, Hydrolyzed Oat Protein, Potassium Palmitoyl Hydrolyzed Oat Protein)	C	2,00
Parfum	D	0,20

METHOD

- Heat phase A at 70°C
- Heat phase B at 70°C
- Add phase B to A under slow stirring until it forms a homogeneous system
- Fast stirring for 2-3 minutes to stabilize the emulsion
- Cool down at room temperature, add C and D

CHARACTERISTICS

Aspect: Semi-solid emulsion
 Colour: Pale yellow
 Odour: Characteristic
 Viscosity: ≈ 9.000 mPa*s

*Formulation tested in Sinerga Research Centre according to stability and laboratory manufacturing procedures.