



PROLIX[®]RB

In Harmony with Nature



COSMOS-standard AISBL
COSMetrics Organic Standard



FOCUS INFO

INCI NAME

Polyglyceryl-3 Rice Branate

SPECIFICATIONS

Appearance:	waxy solid, flakes
Colour:	from ivory to yellow
Odour:	characteristic
Melting point:	54.00-58.00°C
pH (dispersion at 5%):	6.00-8.00
Acidity value:	max 10.00 mg KOH/g
Saponification value:	90.00-120.00 mg KOH/g
% H ₂ O (K.F.):	1.00
HLB (experimental):	10 ± 1

COSMETIC APPLICATIONS

Ideal for: day-creams, long lasting moisturizers.



VEGETABLE ORIGIN



SAFE PROFILE

DESCRIPTION

Non-ionic polyglyceryl derived from fatty acids from rice bran oil obtained by M.O.R.E. technique, which reduces the environmental impact manufacturing processes: it is an emulsifier in harmony with nature, which respects the skin and the environment.

PROLIX RB[®] derives from 100% vegetable renewable sources:

- ✓ Glycerin
- ✓ Fatty acids from rice
- ✓ Arginine

PROPERTIES

The specific linkage between the hydrophilic and the lipophilic chain gives a perfect stability to the emulsion. It's compatible with different oils and rheological additives in order to give a wide range of consistency to the formulation.

HIGHLIGHTS

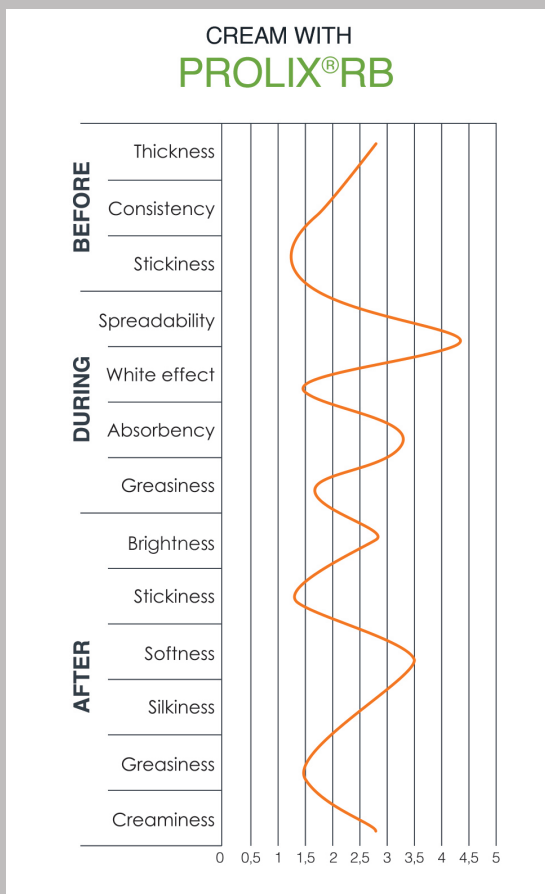
- Compatible with different oils
- Rice nourishing properties
- Palm oil free
- Moisturizing properties

TECHNICAL BENEFITS

- Wide range of viscosity (from fluid to consistent emulsion) and applications
- Rice nourishing properties
- No use of other co-emulsifiers
- Compatible with different rheological additives

SKIN FEELING

It gives a very light texture with a pleasant velvety touch. With very good spreadability and adhesion on the skin, it leaves the skin hydrated with an excellent end-feel.



HYDRA/FRESH 24H CREAM

INGREDIENTS	PHASE	%w/w
PROLIX®RB (Polyglyceryl-3 Rice Branate)	A	5,00
Cetearyl Alcohol	A	2,50
Sweet Almond Oil	A	2,00
Isononyl Isononanoate	A	2,00
Caprylic/Capric Triglyceride	A	2,00
Jojoba Oil	A	1,50
Tocopherol	A'	0,20
Lecithin, Tocopherol, Ascorbyl Palmitate, Citric Acid	A'	0,05
Bisabolol	A'	0,10
Diheptyl Succinate, Capryloyl Glycerin/Sebacic Acid Copolymer	A'	1,00
Water	B	72,70
Panthenol Glycerol	B	1,00
Sodium Benzoate	B	0,30
EDTA	B	0,10
Xanthan Gum	C	0,35
Red Alga Gel (Ahnfeltiopsis Concinna Extract)	D	2,00
Risolat (Oryza sativa bran oil, Hydrolyzed Rice Protein, Potassium Palmitoyl Hydrolyzed Wheat Protein)	D	2,00
Trealix (Trehalose, Hydrolyzed Vegetable Protein)	D	2,00
Sodium Hyaluronate (and) Aqua (and) Phenoxyethanol	D	2,00
Feniol (Phenethyl alcohol, Caprylyl glycol)	E	1,00
Fragrance	E	0,20

METHOD

- Heat phase A at 65°C and add phases A'
- Heat phase B at 65°C
- Add C to B under fast stirring
- Add phase A to B + C under fast stirring until it forms a homogeneous system
- Cool down and add phase D + E

CHARACTERISTICS

Appearance: semi-solid emulsion
 Colour: white
 Odour: characteristic
 pH: pH: 5.8
 Viscosity: ≈ 13880 mPa*s

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