

MARINE PROTECTIVE DEODORANT


**O/W
Emulsion**

- White fluid
- Packaging: roll-on
- **SOLAGUM™ TARA stabilizes the formula rich in aluminum salts**
- **Double action of MONTANOV™ L which plays the role of an emulsifier as well as it maintains skin moisturized**
- **Anti-perspirant with good absorbing properties**


EU07276 - 0713

Formula

A	MONTANOV™ L	2,00 %
	Isopropyl Myristate	1,00 %
	Cyclopentasiloxane and Cyclohexasiloxane	1,00 %
	Propylene Glycol and Phenoxyethanol and Methylparaben and Ethylparaben	1,00 %
B	Aqua/Water	25,00%
	SOLAGUM™ TARA	1,00 %
C	Aqua/Water	Up to 100 %
	Chlorhydrate aluminium (sol 50%)	30,00 %
	Tetrasodium Glutamate Diacetate	0,30 %
	SEPIMAT™ CP 5	1,00 %
	Phycocorail	0,50%
D	Neutralizing base	Up to

Procedure

(Pilot – Trimix – 5kg)

Weigh phase A ingredients in the main vessel and heat up to 80° C. Prepare phase B and heat to 80° C. Add phase B to the main tank and homogenize. Add water and aluminum salts then mix well and let to cool down to 45° C. Then add the remaining ingredients of phase C into the beaker. When homogeneous, add phase D into the main batch and mix.

Characteristics

Appearance	White thin emulsion
pH	6
Viscosity 1M at RT	3,000 mPa.s BROOKFIELD LV2 speed 6
Viscosity 1M at 45° C	750 mPa.s BROOKFIELD LV2 speed 6
Viscosity recovery at RT (after 1M at 45° C)	3,000 mPa.s BROOKFIELD LV2 speed 6
Stability*	> M1 at RT and 45° C After 1 month of freeze/thaw cycles -5 / +40° C Stable after 18h at -18° C

Raw materials from SEPPIC

MONTANOV™ L

C14-22 Alcohol and C12-20 AlkylGlucoside

Glucolipid emulsifier in harmony with nature. MONTANOV L is well-suited to formulate different textures (from sprayable to butter cream) no matter the nature or the quantity of fatty phase used. It stabilizes emulsions, and has a strong moisturizing power since it promotes liquid crystals which prevent the skin from dehydration (efficacy proven in vivo). Ecocert and Natrue approved.

SOLAGUM™ TARA

Caesalpinia Spinosa Gum

A powerful thickening natural gum from Caesalpinia spinosa endosperm seeds. Synergistic efficiency with synthetic and natural polymers. Ecocert, Cosmos and Natrue approved.

SEPIMAT™ CP 5

Methyl Methacrylate Crosspolymer

SEPIMAT™ CP 5 is a versatile texturizing agent, consisting of solid spheres with a smooth surface. These ultra-soft microspheres do not dry out the skin and are perfect for all types of formulations. In formulation, it imparts a soft and powdery feel onto the skin with a matte finish. At higher percentages of SEPIMAT™ CP 5 result in a more pronounced powdery feel.

PHYCOCORAIL™

Corallina Officinalis Extract

The pink seaweed Corallina Officinalis maintains its cellular and metabolic integrity under strong thermal stress. PHYCOCORAIL provides UV protection to the skin. With high porosity it's also a good absorber or a vehicle for actives.

Other raw materials...

- Isopropyl Myristate : **DUB IPM (STEARINERIE DUBOIS)**
- Cyclopentasiloxane and Cyclohexasiloxane : **Dow Corning 345 Fluid (DOW CORNING)**
- Tetrasodium Glutamate Diacetate : **Dissolvine GL-38 (AKZONOBEL)**
- Propylene Glycol and Phenoxyethanol and Methylparaben and Ethylparaben : **EUXYL K320 (SCHULKE & MAYR)**