

Commercial Name	UlvaProtect
INCI name	Bentonite & Ulva lactuca extract

## Specifications

- **Function:**
- **Origin & composition:** Bentonite, mineral ( origin Europe), Ulva Lactuca , plant-based ( origin France)
- **Manufacturing process:** the organic molecules of interest are extracted by using an hydro alcoholic extraction process followed by a concentration step. The active biomolecules are then intercalated in the mineral system.
- **Country of Manufacturing:** France
- **Part of the plant used:** thallus
- **Collection mode:** Wild-gathered
- **Color:** beige to green
- **Odor:** characteristic
- **pH:** 10.0 – 12.0 (in water solution at 10% at 20°C)
- **Available forms:** powder preservative-free
- **Incorporation rate:** 1%
- **Solubility:** hydrodispersible / lipodispersible
- **No territorial restrictions known**

## Tolerance

- Test: cytotoxicity on reconstructed epidermis (based on the protocol proposed by ECVAM on the April 27, 2007)  
Result: insignificant cytotoxicity
- Test: eye irritation testing (HET-CAM Test, based on protocol proposed in the OJ of the French Republic on the December 29, 1996)  
Result: no / slight irritant

## Storage conditions and shelf life

Keep container tightly closed in dry and well-ventilated place  
Shelf life: 18 months

## Formulation

### How to use:

Better dispersion is achieved mixing the active ingredient into the oil phase

### Ulvaprotect: pre-Sun cream

PHASES <sup>2</sup>	INGREDIENTS	%
Powder phase	Frametime Cxg	5
Powder phase	Lauroyl Lysine	1
Powder phase	Sodium stearyl glutamate	0,4
Powder phase	Algin	0,15
Powder phase	Sodium Benzoate	0,35
Powder phase	Ulvaprotect	1
Oil phase	Squalane	6
Oil phase	Baobab Oil	5
Oil phase	Desert Date Oil	5
Oil phase	Caprylic/capric triglyceride	3
Oil phase	Benzyl Alcohol	0,35
Oil phase	Perfume	0,5
Water phase	Glycerin	1,5
Water phase	Propanediol	5
Water phase	Water	64,25