



# Sun Safeguard for Kids. SPF 50 (calculated)

This complex formulation with mineral UV filters offers strong SPF protection while Nipaguard SCA allows for preservation at low concentration, making this sun care products safe for baby’s sensitive skin. Plantasens Olive LD enhance the formula skin feel

## Preservation system: Nipaguard SCA

- Effective at low concentrations
- Broad spectrum preservation
- Globally approved
- COSMOS approved
- preserves at every pH, alternative to Phenoxyethanol

## Other key ingredients to the formula

Ingredients	Key Benefits
<b>Plantasens Olive LD</b>	<ul style="list-style-type: none"> <li>• Enhanced skin feel</li> <li>• Stable natural alternative to silicone</li> <li>• Fully transparent and odorless</li> <li>• Very light and non-greasy</li> </ul>

Preservative system	Use Conc.	Efficacy @ pH as is					
		Pa	Sa	Ec	Ca	Ab	TOTAL
<b>Nipaguard SCA</b>	<b>0.5%</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>PASS*</b>

Challenge test data according to ISO 11930. requirements

**F:** Fail **A:** Passed A Criteria **B:** Passed B Criteria

**Pa:** *Pseudomonas aeruginosa*; **Sa:** *Staphylococcus aureus*; **Ec:** *Escherichia coli*; **Ca:** *Candida albicans*; **Ab:** *Aspergillus brasiliensis*

# Sun Safeguard for Kids. SPF 50 (calculated)

	Trade Name / INCI	Function	% w/w	
A	Eusolex Z-TEC <i>Zinc Oxide</i>	UV-Filter	25.00 %	
	Eusolex T-S <i>Titanium Dioxide</i>	UV-Filter	8.00 %	
	EWOcream <i>Polyglyceryl-3 Sorbityl Linseedate</i>	Emulsifier	6.00 %	
	DUB SSIC MB <i>Isocetyl Stearoyl Stearate</i>	Emollient	5.00 %	
	DUB 810 C MB <i>Coco-Caprylate/Caprate</i>	Emollient	14.00 %	
	DERMALCARE LIA MB <i>Isoamyl Laurate</i>	Emollient	8.00 %	
	<b>Plantasens Olive LD (Clariant)</b> <i>Hydrogenated Ethylhexyl Oliviate, Hydrogenated Olive Oil Unsaponifiables</i>	Emollient	<b>1.50 %</b>	
	RonaCare AP <i>Bis-Ethylhexyl Hydroxydimethoxy Benzylmalonate</i>	Emollient	0.50 %	
	B	Rheopearl KL2 RSPO MB <i>Dextrin Palmitate</i>	Rheology Modifier	2.00 %
		Matrifuse™ S-1 dispersant <i>Polyhydroxystearic Acid, Neopentyl Glycol Diethylhexanoate</i>	Emollient	1.00 %
C	Water	Diluent	24.30 %	
D	RonaCare Ectoin IQ <i>Ectoin</i>	Active	1.00 %	
E	Blanova Glycerin 85% RSPO MB <i>Glycerine</i>	Humectant	2.00 %	
	Blanova Magnesium Sulphate	Stabilizer	0.40 %	
	<b>Nipaguard SCA (Clariant)</b> <i>Sorbitan Caprylate and Benzyl Alcohol</i>	Preservative	<b>0.50 %</b>	
	Fragrance Superhero 320	Fragrance	0.30 %	

Formulation developed by our distribution partner Azelis Deutschland Kosmetik GmbH. Formulation reference 1001-7-3

## Results:

**Appearance:** White Cream

**pH:** 5.5

**Viscosity:** 5000 mPas  
(Brookfield, 20rpm; 20°C)

**Stability** 12 weeks @ RT, 40°C.