

# Saltidin

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## COMBISUN™



A HIGHLY EFFICIENT  
INSECT REPELLENT ACTIVE  
INGREDIENT COMBINATION  
WITH 15% SALTIDIN®  
AND SUN PROTECTION

Now available for licence

**saltigo**  
customized competence

Bans bites  
and burns.



Saltidin CombiSun™ is a new innovative active ingredient combination of insect repellent and sun protection. This 15% emulsion is highly efficient (8 h) and has a water-resistance of 92%, it is therefore perfectly suited to tropical climates. The UVA and UVB filters provide a sun protection factor of 15.

Saltidin CombiSun™ provides sun protection in the hours of sunset when mosquitoes are very active. Saltidin CombiSun™ is dermatologically tested, is harmless to people and the environment, does not contain preservatives and includes a PEG-free vegetable emulsifier. It can be formulated as a sensitive product without fragrance. As of now, our customers can acquire a licence to use the frame formulation of Saltigo's Saltidin CombiSun™ and launch their product on the market.

Saltidin CombiSun™ is one of three frame formulations that will be registered by Saltigo under BPD.

### SALTIDIN COMBISUN™ – MAIN PROPERTIES

#### Efficiency:

- High protection against mosquitoes and ticks in combination with sun screen

#### Safety:

- Dermatologically tested
- Harmless to people and the environment
- Sun protection factor 15
- No added preservatives

#### Can be formulated as:

- Cream 15%
- Lotion/milk 15%
- Spray emulsion 15%

#### Cosmetic properties:

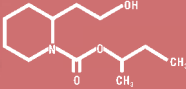
- Water-resistant
- Pleasant fragrance
- Vegetable emulsifier
- PEG-free

#### Where to use:

- For travel in tropical areas
- During twilight
- On rivers and lakes



# SALTIDIN® – CHEMICAL AND PHYSICAL PROPERTIES

1. Structure:	
2. Empirical formula:	$C_{12}H_{23}NO_3$
3. Chemical name:	1-piperidinecarboxylic acid 2-(2-hydroxyethyl)-1-methylpropylester
4. Commercial name:	Saltidin®
5. Common name:	Icaridin
6. Elincs number:	423-210-8
7. CAS number:	119515-38-7
8. Relative molecular mass:	229.3 g/mole
9. Form:	liquid, clear
10. Solidifying point:	< -170°C
11. Viscosity:	30.7 sec. flow time according to DIN 53211, 129 mPa·s at 20°C
12. Boiling point:	272°C at 1013 hPa
13. Vapour pressure:	3.4 x 10 Exp-4 hPa at 20°C 5.9 x 10 Exp-4 hPa at 25°C 7.1 x 10 Exp-3 hPa at 50°C
14. Irritation:	<b>non-irritant</b>
15. Colour:	colourless/brownish
16. Odour:	<b>almost no odour</b>
17. Purity of technical product:	min. 97%
18. Flashpoint:	142°C
19. Density:	1.036 g/m <sup>3</sup> at 20°C
20. Solubility:	<b>in water: 8.6 g/l at 20°C, in acetone: &gt; 250 g/l at 20°C, in n-heptane: &gt; 250 g/l at 20°C, in propane-2-ol: &gt; 250 g/l at 20°C, in xylene: &gt; 250 g/l at 20°C</b>
21. Storage conditions:	store at room temperature

## Contact details:

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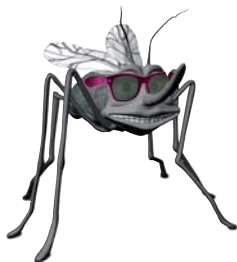
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[www.saltidin.com](http://www.saltidin.com)



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