

Saltidin®



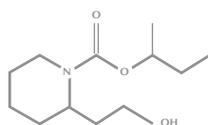
PROTECTION AGAINST INSECTS AND TICKS

Insect repellents need to be effective yet gentle, so everyone is protected, including vulnerable groups such as infants. These days, protection against ticks, mosquitoes and other assorted bugs is more important than ever. No matter how sensitive your skin, Saltidin® is the product of choice.



EASY TO FORMULATE, SAFE,
EFFICIENT AND LONG-LASTING

Properties & Major Benefits



Also known as: Icaridin, Picaridin, KBR3023
CAS: 119515-38-7



Easy to formulate:

- Good solubility
- Highly stable
- Not corrosive
- Colorless



Cosmetic properties:

- Almost odorless
- Not sticky
- Pleasant skin feel
- Not greasy



Efficiency:

- Long lasting
- Broad spectrum of insects



Safety:

- Non toxic
- Non irritating to skin
- Low absorption
- Non-sensitizing to skin
- Germ inhibiting property



Compatibility:

- Safe for plastics
- Safe for coatings
- Safe for sealants
- Safe for environment



LONG-LASTING REPELLENT
EFFECT AGAINST A WIDE RANGE
OF BLOOD-SUCKING INSECTS

Saltidin®

Insects and ticks can transmit dangerous diseases. This makes effective insect repellents that are at the same time gentle on the skin more important than ever. It's in exactly this regard that Saltidin® excels, and several formulations containing Saltidin® are already available on the market.

Saltidin® ...

- repels a wide range of insects and ticks
- is gentle on the skin and protects the whole family
- is suitable for many application methods
- offers benefits in processing and application

Creating your tailor-made final product? Saltigo offers technical and regulatory support during your product development.

Please visit www.saltidin.com to get in touch with us.





VARIOUS GUIDE FORMULATIONS AVAILABLE

Effective and modern repellents

Saltidin® is suitable for a wide range of different product formulations, whether for use on humans or animals, in solid or liquid applications or for aerosols. This offers clear benefits for formulators:

- Saltidin® may be used in water, oil or alcohol-based solutions.
- It is easily formulated – whether hot or cold.
- Additionally, it is compatible with many common cosmetic ingredients such as Aloe Vera, Dexpanthenol (pro-vitamin B5), vegan silk and glycerin.

Guide Formulations available for..



Pumpspray

Creme, Lotion, Spayemulsion



Water-, Solvent-, Oilbased Aerosols

Waxstick



Wipes

The qualities that customers appreciate in insect repellents containing Saltidin® are that the active ingredient is:

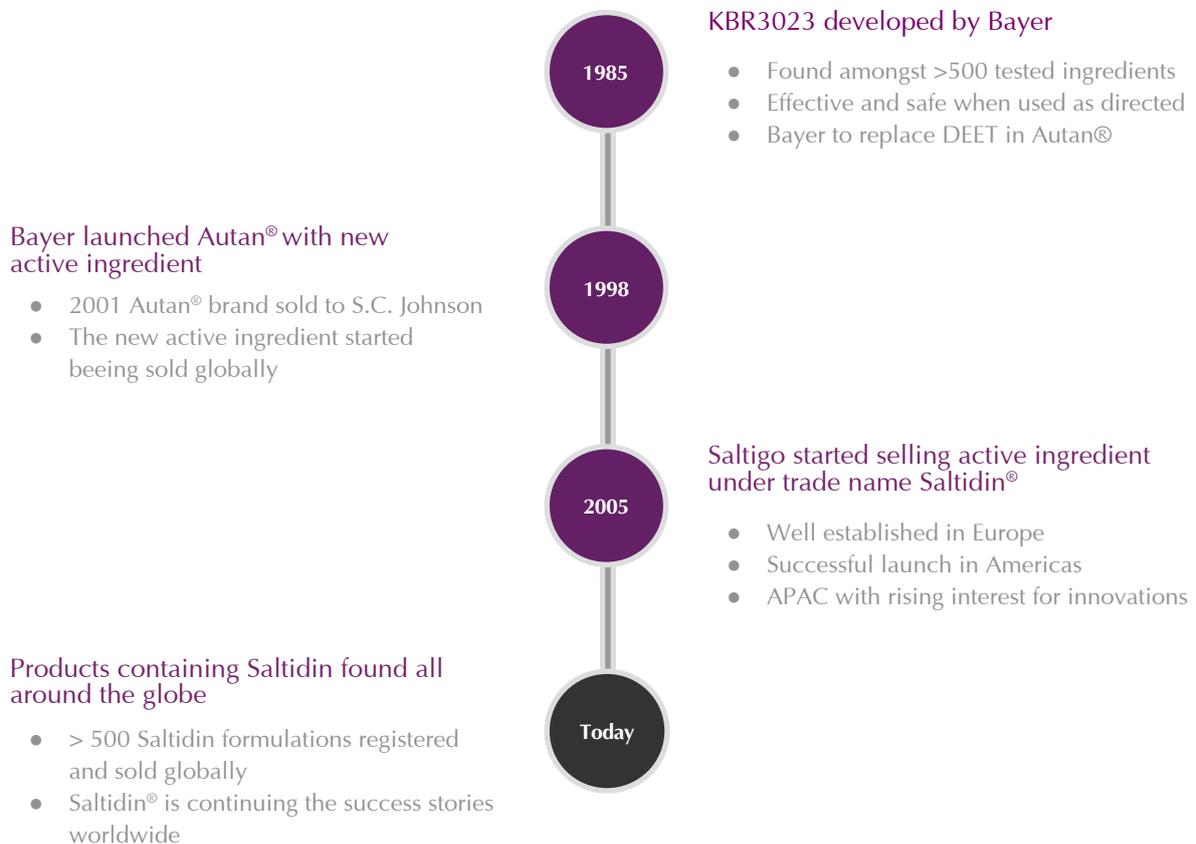
- hypoallergenic and does not irritate the skin,
- suitable for vulnerable groups such as small children and pregnant women,
- almost odorless and colorless,
- not sticky or greasy,
- not damaging to synthetic materials such as outdoor clothing.



PRODUCTS CONTAINING
SALTIDIN® AVAILABLE ALL
AROUND THE GLOBE

Saltidin® Development

Developed in 1985 as an effective yet gentle alternative to DEET, Saltidin® continues its worldwide success story to this day. No matter whether you are in a temperate or tropical climate, you can rely on repellents that contain Saltidin®.



Saltidin® – Chemical and physical properties

Empirical formula:	$C_{12}H_{23}NO_3$
Chemical name:	1-piperidinecarboxylic acid 2- (2-hydroxyethyl)-1-methylpropylester
Commercial name:	Saltidin®
International non-proprietary name:	Icaridin
ELINCS number:	423-210-8
CAS number:	119515-38-7
Relative molecular mass:	229.3 g/mole
Form:	liquid, clear
Solidifying point	< -170 °C/ -274 °F
Boiling point:	272 °C /521 °F at 1013 hPa
Vapor pressure:	3.4 x 10 ⁻⁴ hPa at 20 °C/68 °F 5.9 x 10 ⁻⁴ hPa at 25 °C/77 °F 7.1 x 10 ⁻³ hPa at 50 °C/122 °F
Color:	colorless
Odor:	almost odorless
Flashpoint:	142 °C
Density:	1.036 g/cm ³ at 20 °C/68 °F
Solubility:	in water: 8.6 g/l at 20 °C/68 °F in acetone: > 250 g/l at 20 °C/68 °F in n-heptane: > 250 g/l at 20 °C/68 °F in propane-2-ol: > 250 g/l at 20 °C/68 °F in xylene: > 250 g/l at 20 °C/68 °F
Viscosity:	30.7 sec. flow time according to DIN 53211, 129 mPa·s at 20 °C/68 °F
Storage conditions:	store at room temperature
Purity of technical product:	min. 97%

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www.saltidin.com
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Regulatory requirements in the United States differ from the EU. Please visit our website on picaridin.saltidin.com to get in touch with our US team.