



Amigard[®]

SPOT – ON



The soft power of Nature harnessed in an advanced formula

Our pets go out into the nature and get often infected with various parasites such as ticks and fleas, which are not only a nuisance, but also vectors for diseases for our animals and also for our kids who get in close contact with them when playing. Keeping our pets free from parasites is not only a health question for the animals but also a matter of hygiene and health for the whole family. Being constantly surrounded by so many chemical products brought us to an idea of inventing a natural solution to help our 4-legged friends live better, free from fleas and ticks. The result is Amigard Spot-on a combination of experience, know-how and pure nature.

A New Standard in Pet Protection

SolNova's Unique Combination of Fully Natural Active Ingredients

Basing on researches of efficacy and on the toxicological profile of the actives we invented a formula containing natural extract of the Neem tree, or Margosa-tree and of decanoic acid. Neem oil extract has a widely known and proven insect-repellent properties and has been used since ancient time for this purpose in India and China. In recent years its use and favorable properties have been re-discovered. Additionally, decanoic acid, an active ingredient exclusively registered and used by SolNova has been included in our formula as a second active ingredient. Decanoic acid is a natural ingredient obtained from coconut oil by hydrolysis and is present in various natural fats, such as goat milk, from where it takes its common name, capric acid (from capra, latin for goat). Decanoic acid is a part of substances exuded by the sebaceous glands of the host animals of parasites and has probably also „pheromonic“ functions. As this class of substances is vital for the localization of the hosts, the parasites have developed an extreme sensitivity to these substances with highly specialized receptors responding to the substances in extremely low trace concentrations, in the ppb range. If the concentration reaching the receptors of the parasites exceeds by large factors the detection level, the substances unfold a strong repellent effect through signal overload. This effect is used by SolNova's formula. Furthermore, the combination of the two actives consisting of two completely different classes of compounds produces a noticeable synergy broadening the effect.



Amigard Spot-on Technology

Repellent technology

While pharmaceutical chemicals act as insecticide or acaricide, repellents do not kill the parasites but merely keep them away from the hosts, or, once the parasite is on the host make them leave in short time as the host's skin is perceived by them as repulsive. In most cases the repellent effect is so strong that the parasites do not even attempt to bite the host. Repellents act probably both through the gas phase stimulating the gas sensor of the parasite and the taste sensors when the parasite is in direct contact with treated skin of the host as the treated skin is perceived by the parasite as repulsive. Insects are known to have one of the most sensitive sensoric system in nature. Insects have the capability to detect odors in minimal trace amounts over enormous distances from their sources.

The development of this sensoric capabilities for the detection of certain gaseous compounds is the basis of the survival of the insects in the selection process of the species. Repellents take advantage of the extremely high sensitivity of the insects for certain compounds. Most repellents do not act systemically but stay on the skin of the animals from where they unfold their effect.



The Galenic Formula

- a Proprietary Innovation with Slow Release Effect

A unique key factor imparting efficacy and compatibility is SolNova's proprietary galenic formula. The requirements of a repellent product are reliable and long lasting efficacy and low or no toxicity.

SolNova's formula sets new standards in the class of natural repellent. The galenic formula uses a proprietary combination of neutral, inert adjuvants with excellent spreading power and full compatibility with the natural environment of the skin. The galenic system develops a two-fold action: the product applied on one spot of the skin is spread over the entire surface of the skin. The spreading properties are critical for the efficacy of the product: the better the distribution of the product over the entire body, the better is the efficacy. Studies show the significant improvement of efficacy with improved distribution of the product. The second action is the transportation of the product into the outer layer of the skin, the stratum corneum, forming a reservoir, releasing the product over a prolonged period of time, ensuring a superior efficacy.

Waterproof Formula

The composition has been optimized to prevent washing off the product when in contact with water. The active ingredients, in particular decanoic acid, and the remaining components of the formula are practically water-insoluble, making the application very resistant to water.



Amigard Spot-on - The soft power of Nature harnessed in an advanced formula.

Amigard Spot-on features:

- for dogs and cats
- protects from fleas and ticks up to 4 weeks
- completely natural active ingredients
- composition: neem tree extract and decanoic acid from coconut oil
- new slow release formula
- pleasant smell
- waterproof, resistant to rain or short bathing
- completely safe for kids in contact with treated pets
- safe for your pet, well tolerated
- easy application
- registered as biocide in Germany, fully compliant to EU-Biocide regulation



Types / Packaging

- one-dose for cats
- one-dose for small dogs under 15 kg
- one-dose for big dogs over 15 kg

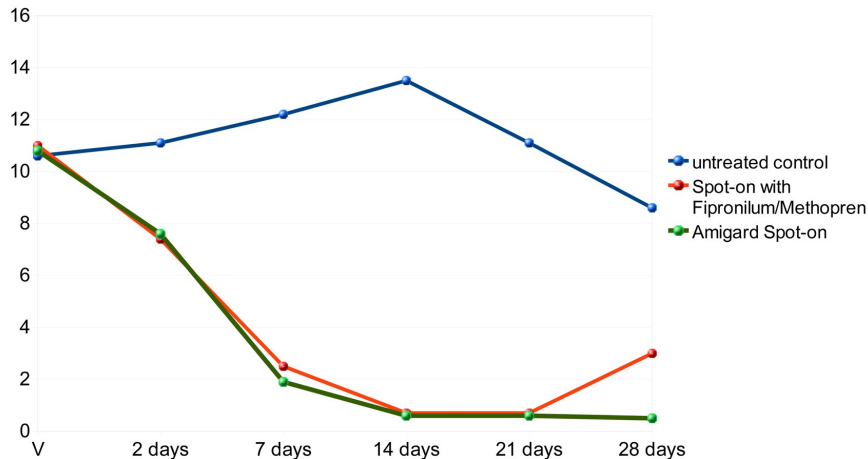
Available in one or three-doses packaging

High Efficacy

In order to give you the alternative to the chemical solutions, we created Amigard Spot-on - a special combination of natural active ingredients. This combination is safe for your beloved pets and highly effective in protecting them against fleas and ticks. Its special formula was developed and tested in cooperation with researchers taking care of large groups of animal and their safety. Effectiveness of Amigard Spot-on is comparable to the most efficient chemical products on the market. See the following graphics. **This is the soft power of Nature!**

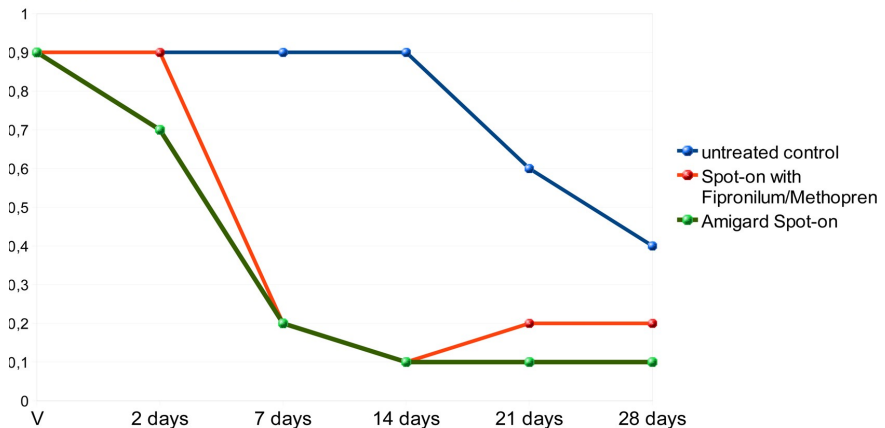
Fleas

Average number of fleas found per per cat on homogenous population of 20 cats



Ticks

Average number of ticks found per cat on a homogenous populaton of 20 cats



Other Amigard products

- Amigard Spot-on Cat (3 doses packaging)
- Amigard Spot-on Dog < 15 kg (3 doses packaging)
- Amigard Spot-on Dog > 15 kg (3 doses packaging)
- Amigard Shampoo
- Amigard Bio-Insect-Shocker
- Amigard Bio-Collar
- Amigard Horse Protect





Amigard by SolNova AG

Zollikon, Switzerland

tel: +41 44 586 79 39

info@amigard.com

www.amigard.com