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Microencapsulated insect repellent spray

Blood-sucking insects like mosquitoes, ticks, black flies, etc are causing a lot of inconvenience to people and animals and can be transmitters of dangerous, sometimes deadly diseases. In order to obtain protection against the parasites, products containing substances of synthetic and vegetable origin have been manufactured with insecticidal and repellent properties.



DEET (N,N-Diethyl-m-toluamide) has been used by people for more than 50 years, it is a very efficient, repellent insecticide approved in most countries for application on skin for adults, children and animals. Although it has scientifically been proved that correct use of DEET comport minimal risks to health. Many people feel a kind of hesitation in applying chemical substances directly on the skin due to the risk of absorption into the body.

With the help of modern micro technology, we can now offer a new generation of repellents quite safer for humans, animals and environment, i.e. **micro-encapsulated DEET**.

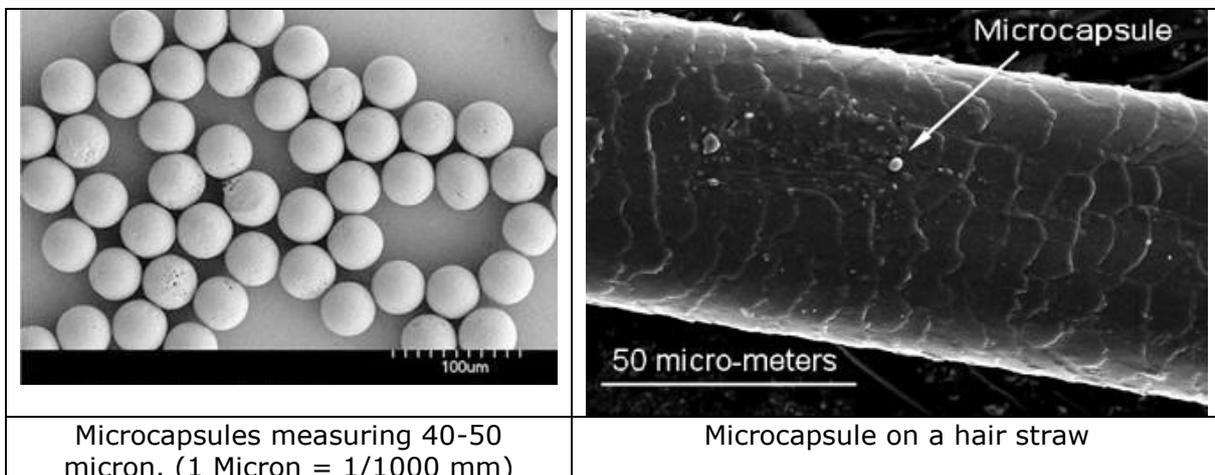
Our microencapsulated DEET reduces dermal absorption by at least 90 % compared to conventional "liquid on skin" application methods. The microcapsules are kept in a water-based media, completely free from solvents, and offer the user the following advantages:

- Long Repellence Effect
- Dermal Absorption Reduction by 90 %
- Water-based. No solvents.
- Less risk for overdosing and waste in environment
- Safer for user

A study performed showed 100 % protection after 8 hours towards the mosquito Aedes Aegypti (Yellow fever, Dengue fever).

How does it work?

The microcapsules, which measure only some microns in diameter, are invisible to the naked eye, and consist of a core with the active substance and an outer shell surrounding the core. The shell being porous, it permits a constant and controlled release of the insecticide, which guarantees a long repellence period at the same time it, hinders the insecticide to be absorbed by the skin.



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