

In2Care® Bug Shield

Nature's insect repellent

Biological

Based on natural Eucalyptus oil. Smooth to the skin & with a fresh citrus scent

Novel

A unique plant extract formula. Providing a safe & green alternative to DEET

Effective

Research shows that it actively repels mosquitoes & insects up to 6 hours

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A novel insect spray repellent based on botanic ingredients

Mosquitoes are a nuisance and transmit diseases all over the world. Instead of using synthetic chemicals, In2Care® Bug Shield spray is based on Eucalyptus citriodora plant extracts; nature's most effective way of protecting yourself against mosquito bites.

In2Care® Bug Shield is a novel spray that can be applied on human skin as a repellent to prevent mosquito bites. The active ingredient of the spray is Citriodiol®, an extract of lemon eucalyptus oil. These skin-soothing plant extracts have a long tradition as natural insect repellents and provide an effective remedy against biting insects.

In2Care® Bug Shield spray is highly effective in repelling mosquitoes and has a pleasant fresh smell. This biological repellent is suitable for use by the whole family, including pregnant women and children from 3 years upwards.



Manipulating mosquito behaviour

Mosquito females need blood for egg development. Most mosquito species that transmit diseases like malaria or Dengue actually prefer to bite humans. They use human-specific cues and odours to track us down.

Masking our smell is a way to manipulate the mosquito and protect ourselves from mosquito bites. There are several compounds that can be used to repel insects. Mosquitoes are sensitive to chemicals such as DEET, but also to natural oils from plants like *Eucalyptus citriodora*.



Spray Features:

- Botanically-based repellent
- OK for children age 3 up
- Tested in own laboratory
- As effective as DEET
- Offers 6 hours protection
- Pleasant scent
- Non-sticky spray
- Clinically tested
- US-EPA registered

In2Care®
BUG SHIELD



OK for KIDS age 3 up

Active ingredient: Oil of Lemon Eucalyptus* 99.0%
Other Ingredients 70.0%
Total 100.00%
Approx. 65% p-menthane-3,8-diol

CAUTION

KEEP OUT OF REACH OF CHILDREN
See back panel for precautions and first aid statements.

NET CONTENTS 3.4 FL OZ (100mL)

Key ingredients: effective, green and skin-soothing

How does it work?

In2Care® Bug Shield spray comes in a pack size of 3.4 FL OZ (100 ml). The repellent is a clear liquid with a fresh pleasant smell that is easy to apply with the spray applicator pump and remains active for many hours. The active ingredient of In2Care® Bug Shield is Citriodiol®, which is the trade-name for oil of lemon eucalyptus or OLE. It contains approx. 65% *p*-menthane-3,8-diol (PMD), which has pesticidal properties and repels insects. Bug Shield's naturally-sourced active substance masks the attractive smells that humans emit so that mosquitoes are unable to locate and bite us. It is also effective against other biting insects and arthropods that can cause nuisance or transmit diseases, such as bedbugs, flies and ticks.



[Check our Bug Shield test](#)

Citriodiol®



“Oil of Lemon Eucalyptus (OLE)”

Contains 65% PMD
(*p*-menthane-3,8-diol)

OLE CAS Number: 1245629-80-4

EPA Reg. Number: 84878-2

Chemical Class: Botanical

Use: Mosquitoes, ticks, midges

Toxicity rating: Least-toxic

Signal Words: Warning

Health Effects: Eye irritation

Environmental Effects: None

Personal protection

Scientific studies in the In2Care® laboratory show that the Bug Shield spray provides powerful and effective protection from all major mosquito species (*Aedes*, *Anopheles* and *Culex*). It is as effective as the chemical repellent DEET and provides full protection for up to 6 hours after application. Other field studies show that the spray's active ingredient (Citriodiol®) also gives protection against ticks, midges and biting flies. Bug Shield can provide important personal protection, particularly against mosquitoes that can transmit diseases such as Dengue, Chikungunya, Zika virus or malaria. These aggressive and day-time active mosquitoes can be effectively repelled by applying the spray onto exposed areas of the skin

A safe alternative to chemicals like DEET

In2Care® Bug Shield spray contains 30% Citriodiol®, which is a modified *Eucalyptus citriodora* extract with high efficacy and a low toxicity profile. Unlike DEET, Citriodiol® is a green, biodegradable product that is smooth to the skin. Its source oil, OLE, is harvested from plants in an environmentally sustainable manner. According to US-EPA, the source material of Bug Shield's active ingredient is “generally recognized as safe” (GRAS). The **Centre for Disease Control and Prevention recommends the use of OLE** to help people avoid the bites of disease-carrying mosquitoes. It is the only naturally-sourced active ingredient to receive this recommendation.

About In2Care

In2Care® Trading BV is a private limited company registered and based in the Netherlands. We develop and market innovative mosquito control products that are based on safe ingredients. For Dengue & Chikungunya control, we developed the In2Care® Mosquito Trap; a user-friendly product that works with a novel combination of actives to effectively target container-breeding *Aedes* mosquitoes. For malaria control, we are developing a low-cost tool called the Eave Tube that provides household protection and impact on resistant anopheline populations. All In2Care® products are scientifically tested in our laboratory and validated under field conditions.