

Benefits of #FIGHTINSECTS FABRIC SOFTENER

- *Prevention of mosquito-transmitted diseases.*
- *Long-lasting protection against bites.*
- *Easy to apply and cost-effective.*
- *Sustainable, effective and safe.*

FACTSHEET

#FIGHTINSECTS FABRIC SOFTENER

LAUNDRY ADDITIVE

PRODUCT DESCRIPTION

Functional laundry additive with insect repellent properties. This additive is a softener to be added in your laundry machine and effective in the fight against mosquitoes, ticks, flies, lice and other bugs. Ideal for preventing insect bites and transmission of diseases such as Malaria, Dengue, Zika, Chikungunya, Yellow - fever and others. #FIGHTINSECTS FABRIC SOFTENER provides durable and safe protection for your garments, uniforms, bed-sheets, fabrics and all types of textiles.

EASY AND PRATICAL APPLICATION

#FIGHTINSECTS FABRIC SOFTENER is supplied in liquid format to be added directly in your laundry machine as a normal softener. This product will replace other softeners, and is compatible with both synthetic and natural fibres, meaning all textiles can be "wash-treated" with these innovative properties.

INSTRUCTIONS

Simply add 10ml of #FIGHTINSECTS FABRIC SOFTENER for every kg of goods to be washed. Apply product directly in the softener compartment of your laundry machine.



10ml of #FIGHTINSECTS FABRIC SOFTENER → 1kg of goods

1L of #FIGHTINSECTS FABRIC SOFTENER → 100kg of goods

SAFE AND EFFECTIVE

Our products are tested according to international standards to meet regulatory requirements and demanding costumers. #FIGHTINSECTS FABRIC SOFTENER is BPR approved and dermatologically tested. It is also safe for babies from 6 months of age and pregnant/breastfeeding women. With #FIGHTINSECTS FABRIC SOFTENER, your textiles will be pushing bugs away for 20 washes, drastically reducing the health risks associated with insect bites.

ECO-FRIENDLY

ECOPAINT Corporation manufactures only environmentally sustainable functional treatments. The active ingredient used in the #FIGHTINSECTS FABRIC SOFTENER treatment is USA FDA and EPA approved, REACH compliant, WHO recommended, does not contain Substances of Very High Concern (SVHC), has no toxicity and no environmental impact. This product is biodegradable and completely degraded in the environment within a very short time.

REPELLING VS KILLING

#FIGHTINSECTS FABRIC SOFTENER is a true repellent that simply drives bugs away. The treated textile creates an effect that is not perceptible to humans or other animals, but ensures that insects stay 40-50cm away from the treated area. It has no toxicity and does not kill the insect. Not killing also means the insect will not develop resistance against the product. We don't use Permethrin, Icaridin, DEET or other toxic insecticides which have high toxicity, environmental impact, very intense smell and are forbidden for use in children before 2-3 years of age.

THE ACTIVE INGREDIENT

The active ingredient used in #FIGHTINSECTS FABRIC SOFTENER is IR3535® is a nature-inspired insect repellent which is not irritating to the skin, has no toxicity and neutral scent. This substance is manufactured by Merck and has been in the market for over 30 years. IR3535 is widely used in various types of products such as lotions and sprays. This is a worry-free solution for long-lasting and safe defence against insects.

MOSQUITO ACTIVITY AND TESTING

#FIGHTINSECTS FABRIC SOFTENER has been tested against various types of insects and proven excellent efficacy results especially in the mosquitoes responsible for the transmission of vector-borne diseases such as Malaria, Zika, Dengue, Yellow-fever, Chikungunya, Leishmaniosis and others.

Test guidelines: ("mouse feed test" and "arm in cage testing"):

- WHO/CDS/NTD/WHOPES/GCDPP/2006
- WHO/CDS/NTD/WHOPES/2009.4
- USA EPA Product performance test OPPTS 810-3700
- European Commission - *Technical Notes For Guidance:*
 - Product Type 18 – Insecticides, Acaricides and products to control other arthropods.
 - Product Type 19 – Repellents And Attractants.
 - CA-Dec12-Doc.6.2.

MOSQUITOS SPECIES

DISEASE	MOSQUITO	MOSQUITO	REGIONES
Dengue	<i>Aedes Aegypti</i>	<i>Aedes Albopictus</i>	Asia Africa South America
Chikungunya	<i>Aedes Albopictus</i>	<i>Aedes Aegypti</i>	Asia Africa America Europe
Malaria	<i>Anopheles Gambiae</i>		Asia Africa America
Filariosis	<i>Culex Quinquefasciatus</i>		Asia Africa America
Leishmaniose	<i>Phlebotomus</i>		Asia Africa America Europe
Yellow-fever	<i>Aedes Aegypti</i>	<i>Aedes Albopictus</i>	Africa South Africa
Zica	<i>Aedes Aegypti</i>		Asia South America Caribbean

WHERE TO APPLY

- Outdoor
- Sportswear
- Workwear
- Socks
- Military
- Bed linen
- Mattress ticking
- Camping
- Home textiles

ECOPAINT Corporation

Rua Serafim da Cruz n° 743
4475-669 Castelo da Maia
Portugal

Ph: +351 229 826 029

info@ecopaint-corporation.com

www.ecopaint-corporation.com

TDS - TECHNICAL DATA SHEET

#FIGHTINSECTS FABRIC SOFTENER

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ADVANTAGES AND BENEFITS

- High efficacy and performance.
- Long durability (20 washes).
- Repellent, not insecticide.
- Does not kill insects.
- Safe for babies from 6 months of age and pregnant/breastfeeding women.
- No Permethrin, Icaridin, Deltamethrin, DEET or other toxic substances.
- No environmental impact.
- Broad activity: mosquitoes, ticks, flies, lice, bedbugs, termites and others.
- Does not create resistance.
- Easy to apply in your laundry machine.
- Stable and safe to handle.
- Compatible with all fibres (natural, synthetic and mixtures).
- Maintains aesthetics and original touch of the fabric.

PHYSICAL PROPERTIES

Active ingredient: IR3535® (Ethyl butylacetylaminopropionate). This is a nature-inspired insect repellent which is not irritating to the skin, has no toxicity and neutral scent.

IONICITY	Non-ionic
APPEARANCE	Liquid, yellowish
ODOR	Characteristic
DENSITY (25°C)	1,01 g/cm ³
PH (20°C)	7-9

APPLICATION INSTRUCTIONS

LAUNDRY MACHINE

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NOTE: This product replaces other existing softeners.

STORAGE AND HANDLING

Please refer to the Material Safety Data Sheet (MSDS) for this product for precise instructions and precautions. The processing and use of industrial chemicals requires adequate technical and professional knowledge. In general, avoid eye and skin contact, and wear correct personal protective equipment.

#FIGHTINSECTS FABRIC SOFTENER must be stored in a cool and dry place. Protect from frost, heat and direct sunlight. Keep product in the original container, tightly sealed.

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Portugal

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REGULATORY STATUS

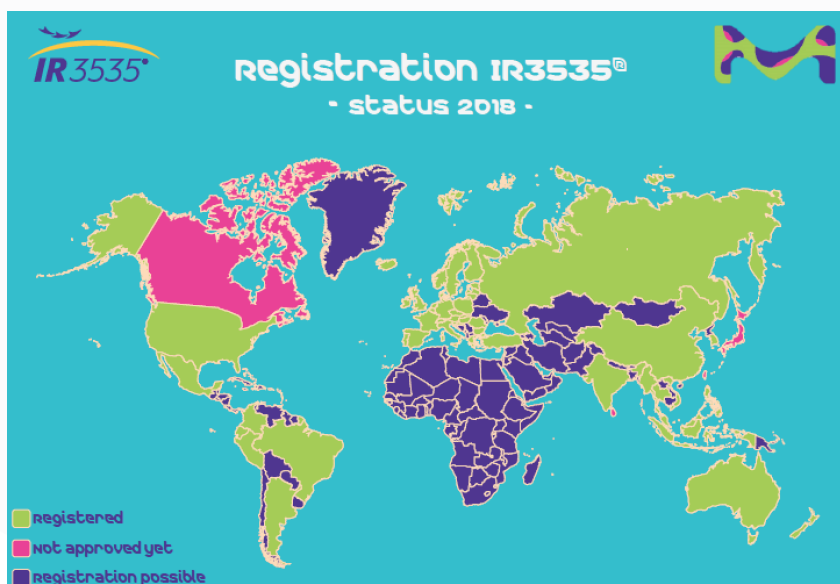
Compliance with BPR and REACH regulation

PRODUCT ID: #FIGHTINSECTS

ACTIVE INGREDIENT: IR3535®

#FIGHTINSECTS

We hereby declare that all our #FIGHTINSECTS products contain IR3535® (3-(N-n-Butyl-N-acetyl)aminopropionic acid ethyl ester), which is an approved biocidal active substance in Europe according to the Biocidal Product Regulation (Regulation (EU) No 528/2012; BPR). The registration status of IR3535® as active substance in repellent formulations in non-Eu countries/worldwide is shown in the world map below.



With its status in Europe, IR3535® is considered registered under REACH (Regulation (EC) No 1907/2006) and for biocidal active substances a REACH registration number is not applicable.