

# Summary of product characteristics for a biocidal product

**Product name:** Insect Repellent Lotion IR3535 10%

**Product type(s):** PT19 - Repellents and attractants (Pest control)

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**Authorisation number:** 2021-07-06-B02

**R4BP 3 asset reference number:** MT-0025228-0000

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## Administrative information

### 1.1. Trade names of the product

Insect Repellent Lotion IR3535 10%
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### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	Merck KGaA
	Address	Frankfurter Strasse 250 64293 Darmstadt Germany
<b>Authorisation number</b>	2021-07-06-B02	
<b>R4BP 3 asset reference number</b>	MT-0025228-0000	
<b>Date of the authorisation</b>	06/07/2021	
<b>Expiry date of the authorisation</b>	04/11/2029	

### 1.3. Manufacturer(s) of the biocidal products

<b>Name of the manufacturer</b>	Merck KGaA
<b>Address of the manufacturer</b>	Frankfurter Strasse 250 64293 Darmstadt Germany
<b>Location of manufacturing sites</b>	Frankfurter Strasse 250 64293 Darmstadt Germany

### 1.4. Manufacturer(s) of the active substance(s)

<b>Active substance</b>	1320 - Ethyl butylacetylaminopropionate
<b>Name of the manufacturer</b>	Merck S.L.U.
<b>Address of the manufacturer</b>	Calle Maria de Molina 28006 Madrid Spain
<b>Location of manufacturing sites</b>	Polígono Merck 08100 Mollet de Vallés, Barcelona Spain

<b>Active substance</b>	1320 - Ethyl butylacetylaminopropionate
<b>Name of the manufacturer</b>	Merck KGaA
<b>Address of the manufacturer</b>	Frankfurter Strasse 250 64293 Darmstadt Germany
<b>Location of manufacturing sites</b>	Polígono Merck 08100 Mollet de Vallés, Barcelona Spain

## 2. Product composition and formulation

### 2.1. Qualitative and quantitative information on the composition of the biocidal product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Ethyl butylacetylaminopropionate		Active Substance	52304-36-6	257-835-0	10

### 2.2. Type of formulation

EW - Emulsion, oil in water
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## 3. Hazard and precautionary statements

**Hazard statements**

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**Precautionary statements**

Keep out of reach of children.  
Read carefully and follow all instructions.

## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - Application to human skin to repel mosquitoes - RTU - general public

<b>Product type</b>	PT19 - Repellents and attractants (Pest control)
<b>Where relevant, an exact description of the authorised use</b>	Repellent
<b>Target organism(s) (including development stage)</b>	Scientific name: Culicidae: Culex spp. Common name: Mosquitoes Development stage: Adults  Scientific name: Culicidae: Aedes spp. Common name: Mosquitoes Development stage: Adults  Scientific name: Culicidae: Anopheles spp. Common name: Mosquitoes Development stage: Adults
<b>Field(s) of use</b>	Indoor  Outdoor  Indoors (only in well ventilated area) and outdoors Insect repellent lotion IR3535® 10% is a ready-to-use insect repellent used to protect humans against mosquitoes in temperate areas only.
<b>Application method(s)</b>	Method: manual application Detailed description: -
<b>Application rate(s) and frequencies</b>	Application Rate: 1.16 ml/cm <sup>2</sup> Dilution (%): - Number and timing of application: Application rate for mosquitoes (1.16 ml/cm <sup>2</sup> ) – protection time 8 hours  o Adult : 10.58 ml / application on uncovered body parts*. Apply sparingly to uniformly cover uncovered parts of the face, hands, arms, legs and feet. The product can be reapplied 2 times maximum per day. o Child (6-12y) : 5.87 ml / application on uncovered body parts*. Maximum one application per day. o Child (2-6y) : 4.33 ml / application on uncovered body parts*. Maximum one application per day. o Toddler (1-2y) : 3.06 ml / application on uncovered body parts*. Maximum one application per day. o Infant (0-1y) : 2.61 ml / application on uncovered body parts*. Maximum one application per day.  * The product can be applied on uncovered parts of the body, limited to the face, arms,

legs and feet. Do not apply on the whole body.

**Category(ies) of users**

General public (non-professional)

**Pack sizes and packaging material**

- Squeeze tube - with snap cap, screw cap, top cap or flip top cap (PP) - (PE; HDPE; LDPE; PP; HDPE/LDPE ; HDPE/EVOH; HDPE/F; HDPE/PA ; LDPE/EVOH ; LDPE/F ; LDPE/PA)
  - Squeeze tube - with snap cap, screw cap, top cap or flip top cap (PP) - (in aluminium with inner layer of: PE; HDPE; LDPE; PP; HDPE/LDPE ; HDPE/EVOH; HDPE/F; HDPE/PA ; LDPE/EVOH ; LDPE/F ; LDPE/PA)
  - Bottle - with screw cap, top cap or pump dispenser- (PE; HDPE; LDPE; PP; HDPE/LDPE ; HDPE/EVOH; HDPE/F; HDPE/PA ; LDPE/EVOH ; LDPE/F ; LDPE/PA)
- For all packaging types, size: 25-250 mL in steps of 5 ml

**4.1.1 Use-specific instructions for use**

See section 5.1

**4.1.2 Use-specific risk mitigation measures**

See section 5.2

**4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

See section 5.3

**4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging**

See section 5.4

**4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

See section 5.5

## 4.2 Use description

### Use 2 - Application to human skin to repel ticks - RTU - general public

<b>Product type</b>	PT19 - Repellents and attractants (Pest control)
<b>Where relevant, an exact description of the authorised use</b>	Repellent
<b>Target organism(s) (including development stage)</b>	<p>Scientific name: Ixodes ricinus Common name: Ticks Development stage: Nymphs and Adults</p> <p>Scientific name: Ixodes scapularis Common name: Ticks Development stage: Nymphs and Adults</p>
<b>Field(s) of use</b>	<p>Indoor</p> <p>Outdoor</p> <p>Indoors (only in well ventilated area) and outdoors Insect repellent lotion IR3535® 10% is a ready-to-use insect repellent used to protect humans against ticks in temperate areas only.</p>
<b>Application method(s)</b>	<p>Method: Manual application Detailed description: -</p>
<b>Application rate(s) and frequencies</b>	<p>Application Rate: 1.01 ml/cm<sup>2</sup> Dilution (%): - Number and timing of application: Application rate for ticks (1.01 ml/cm<sup>2</sup>) – protection time 7 hours</p> <ul style="list-style-type: none"> <li>o Adult : 9.20 ml / application on uncovered body parts*. The product can be reapplied 2 times maximum per day.</li> <li>o Child (6-12y) : 5.10 ml / application on uncovered body parts*. Maximum one application per day.</li> <li>o Child (2-6y) : 3.77 ml / application on uncovered body parts*. Maximum one application per day.</li> <li>o Toddler (1-2y) : 2.66 ml / application on uncovered body parts*. Maximum one application per day.</li> <li>o Infant (0-1y) : 2.27 ml / application on uncovered body parts*. Maximum one application per day.</li> </ul> <p>* The product can be applied on uncovered parts of the body, limited to the face, arms, legs and feet. Do not apply on the whole body.</p>
<b>Category(ies) of users</b>	General public (non-professional)
<b>Pack sizes and packaging material</b>	<ul style="list-style-type: none"> <li>• Squeeze tube - with snap cap, screw cap, top cap or flip top cap (PP) - (PE; HDPE; LDPE; PP; HDPE/LDPE ; HDPE/EVOH; HDPE/F; HDPE/PA ; LDPE/EVOH ; LDPE/F ; LDPE/PA)</li> <li>• Squeeze tube - with snap cap, screw cap, top cap or flip top cap (PP) - (in aluminium with inner layer of: PE; HDPE; LDPE; PP; HDPE/LDPE ; HDPE/EVOH; HDPE/F; HDPE/PA ; LDPE/EVOH ; LDPE/F ; LDPE/PA)</li> </ul>

• Bottle - with screw cap, top cap or pump dispenser- (PE; HDPE; LDPE; PP; HDPE/LDPE ; HDPE/EVOH; HDPE/F; HDPE/PA ; LDPE/EVOH ; LDPE/F ; LDPE/PA)  
For all packaging types, size: 25-250 mL in steps of 5 ml

#### **4.2.1 Use-specific instructions for use**

See section 5.1

#### **4.2.2 Use-specific risk mitigation measures**

See section 5.2

#### **4.2.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

See section 5.3

#### **4.2.4 Where specific to the use, the instructions for safe disposal of the product and its packaging**

See section 5.4

#### **4.2.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

See section 5.5

### **5. General directions for use**

#### **5.1. Instructions for use**



Use repellent safely. Always read the label or leaflet before use and follow all the instructions provided.  
Keep out of reach of children.  
Place a right amount of lotion on the palm of the hand and distribute the lotion over the exposed skin. ONLY apply to uncovered parts of the body, limited to the face, arms, legs and feet. Do not apply on the whole body.  
Make sure to protect the eyes. Do not apply to eye area.  
Do not apply over cuts, wounds, freshly shaven or irritated skin. Do not use under clothing. Only for external use.  
Applying sun care products or cosmetic formulations after repellent use will alter the efficacy of the repellent considerably. In case of a concomitant use of the product with sunscreen, first apply the sunscreen and wait 20 minutes before the application of the product.  
In case of strong perspiration and after having taken a swim, the effectiveness will diminish. The product can be applied once a day for children under 12 years old and twice a day for adult and children above 12 years old.  
Caution must be taken when using these products on infants and mechanical protection (clothing, mosquito nets) is to be preferred.  
Avoid contact with synthetic materials. Synthetic materials should be protected during application.  
The users should inform if the treatment is ineffective and report straightforward to the registration holder.  
The use of the product with other repellent products is not recommended.  
The protection time is only indicative. Environmental factors (e.g. high temperature, wind velocity) can modify it.

## 5.2. Risk mitigation measures

ONLY apply to uncovered parts of the body, limited to the face, arms, legs and feet.  
Do not use on children's hands. An adult should apply the product to children below 12 years of age. and wash his hands after application. Do not use on children's hands.  
Wash hands before handling food. Do not apply directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks. To prevent contamination of food, avoid contact of treated skin with food.  
Only apply outdoor or in well ventilated area.

## 5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

In case of inhalation: bring to fresh air.  
In case of eye contact: check for and remove any contact lenses if easy to do. Rinse out with plenty of water. Call in ophthalmologist.  
In case of skin contact: in case of skin lesions, redness or persistent pain after application, consult a doctor.  
In case of swallowing: immediately make victim drink water (two glasses at most). Consult a physician.  
Most important symptoms and effects, acute or delayed: no description of any toxic symptoms  
Indication of any immediate medical attention and special treatment needed: No information available  
Environmental precautions: Do not discharge superfluous fluids to the drain.

## 5.4. Instructions for safe disposal of the product and its packaging

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.  
Do not discharge superfluous fluids to the drain.

## 5.5. Conditions of storage and shelf-life of the product under normal conditions of storage

Storage conditions: Keep container tightly closed in a dry and well-ventilated place.  
Recommended storage temperature: Room temperature (18-25°C). The product should not be stored for a prolonged period at temperatures >40°C.  
Shelf-life: 18 months  
Environmental exposure controls: Do not let product enter drains.

## 6. Other information

The authorisation holder must provide the eCA with the results of the long term stability test at ambient temperature, which supports the 18 or 24 months stability, within a respectively 2 or 2.5 year period post-approval.