

Summary of product characteristics for a biocidal product

Product name: PRO-ETOV

Product type(s): PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

Authorisation number: IT/2018/00537

R4BP 3 asset reference number: IT-0015037-0000

Table Of Contents

Administrative information	1
1.1. Trade names of the product	1
1.2. Authorisation holder	1
1.3. Manufacturer(s) of the biocidal products	1
1.4. Manufacturer(s) of the active substance(s)	1
2. Product composition and formulation	2
2.1. Qualitative and quantitative information on the composition of the biocidal product	2
2.2. Type of formulation	2
3. Hazard and precautionary statements	2
4. Authorised use(s)	3
5. General directions for use	8
5.1. Instructions for use	8
5.2. Risk mitigation measures	8
5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment	8
5.4. Instructions for safe disposal of the product and its packaging	8
5.5. Conditions of storage and shelf-life of the product under normal conditions of storage	8
6. Other information	9

Administrative information

1.1. Trade names of the product

PRO-ETOV
ETO5

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Copyr S.p.A.
	Address	Via G. Stephenson 29 20157 Milano Italy
Authorisation number	IT/2018/00537	
R4BP 3 asset reference number	IT-0015037-0000	
Date of the authorisation	21/11/2018	
Expiry date of the authorisation	30/06/2025	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Althaller Italia S.R.L.
Address of the manufacturer	Strada Comunale Per Campagna 20078 San Colombano Al Lambro (MI) Italy
Location of manufacturing sites	Strada Comunale Per Campagna 20078 San Colombano Al Lambro (MI) Italy

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

Active substance	30 - etofenprox
Name of the manufacturer	Mitsui Chemicals Agro
Address of the manufacturer	Nihonbashi Dia Building 1-19-1, Nihonbashi, Chuo-ku 103-0027 Tokyo Japan
Location of manufacturing sites	Mitsui Chemicals, Inc. Omuta Works, 30 Asamuta-cho, Omuta 836-8610 Fukuoka Japan

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 (%)
etofenprox	3-phenoxybenzyl-2-(4-ethoxyphenyl)-2-methylpropylether	Active Substance	80844-07-1	407-980-2	5
Estere di basico	Dimetil adipato, dimetil gluatarato, dimetil succinato Reach registration number: 01-2119475445-32			906-170-0	15
SOITEM ME 275 C					15
water			7732-18-5	231-791-2	65

2.2. Type of formulation

EC - Emulsifiable concentrate

3. Hazard and precautionary statements

Hazard statements

Causes skin irritation.

Causes serious eye irritation.

May cause harm to breast-fed children.

Very toxic to aquatic life with long lasting effects.

To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements

<p>If medical advice is needed, have product container or label at hand.</p> <p>Keep out of reach of children.</p> <p>Obtain special instructions before use.</p> <p>Avoid contact during pregnancy and while nursing.</p> <p>Avoid release to the environment.</p> <p>Wear protective gloves.</p> <p>IF exposed or concerned: Get medical advice.</p> <p>If eye irritation persists: Get medical advice.</p> <p>Dispose of container to national regulations.</p> <p>Do not breathe spray.</p> <p>Wash hands thoroughly after handling.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>IF ON SKIN: Wash with plenty of soap and water.</p> <p>Collect spillage.</p>

4. Authorised use(s)

4.1 Use description

Use 1 - Indoor use by professional against mosquitoes by cold nebulization

Product type	PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)
Where relevant, an exact description of the authorised use	<p>Indoor uses by professional against mosquitoes by cold nebulizer application (ULV nebulizer), with an exposure time of 60 min and no residual activity .</p> <p>The application rate for space treatment for cold nebulisation is:</p> <p>2,5 mg of a.s./m³, corresponding to 2,5 ml of diluted product/m³.</p> <p>The recommended indoors usage concentration is 2%.</p>
Target organism(s) (including development stage)	<p>Scientific name: Culicidae: Common name: Aedes mosquitoes Development stage: Adults</p> <p>Scientific name: Culicidae: Culex pipiens Common name: House mosquito Development stage: Adults</p>

Field(s) of use

Application method(s)	<p>Indoor</p> <p>PRO-ETOV can be used to treat indoor areas: Public and private buildings, housing (including cellars garage and closets), shops, communities, hospitals, schools, barracks, canteens, bars, restaurants, kitchens, hotels, cinemas, theaters, ships, nursing homes, retirement homes , warehouses, depots of food substances, farm buildings, warehouses and local production of manufactured cigarettes and the stowage of tobacco, general industry, including food, paper, textile and tobacco factories, transportation (aircraft, ships, trains and bus).</p> <p>Cold nebulizer -</p> <p>Professional users can apply the product as cold nebulizer space treatments in domestic houses, hospitals, barracks, bars, restaurants, hotels, cinemas, theatres, warehouses and other general industrial premises.</p> <p>Because of its special characteristics, PRO-ETOV can be used to disinfest areas for inside applications (public and private buildings, housing (including cellars garage and closets), shops, communities, hospitals, schools, barracks, canteens, bars, restaurants, kitchens, hotels, cinemas, theatres, ships, nursing homes, retirement homes , warehouses, depots of food substances, farm buildings, warehouses and local production of manufactured cigarettes and the stowage of tobacco, general industry, including food, paper, textile and tobacco factories, transportation (aircraft, ships, trains and bus)).</p>
Application rate(s) and frequencies	<p>The application rate for space treatment for cold nebulisation is 2,5 mg of a.s./m3, corresponding to 2,5 ml of diluted product/m3. - 2% -</p> <p>The application rate for space treatment for cold nebulisation is 2,5 mg of a.s./m3, corresponding to 2,5 ml of diluted product/m3.</p> <p>According to the intended use the biocidal product by professionals, the frequency of use 1 to 2 application for year.</p>
Category(ies) of users	<p>Trained professional</p> <p>Professional</p>
Pack sizes and packaging material	<p>Bottle, Plastic: PET , 5 - 20 L</p> <p>For professionals uses.</p>

4.1.1 Use-specific instructions for use

ETOCINQUE can be used to treat ETOCINQUE is a micro-emulsion (ME) intended for dilution with water before use. 2 mL of product have to be diluted in 100 mL of water. After dilution, shake well the solution.

The Ultra-Low Volume (ULV) (spraying) is based on aerosol spraying.

ULV equipment is used in case it's necessary to produce very small droplets, thus ensuring even treatment with low liquid volumes. Ultra low volume (ULV) fogging machines are cold fogging machines that use large volumes of air at low pressures to transform liquid into droplets that are dispersed into the atmosphere. This type of fogging machine can produce extremely small droplets with diameters ranging from 1-150 µm. The droplets that are created are of such a small size that less carrier for the formulation is required to cover the required surface area.

Companion animals living in households could be exposed to the biocidal product during or after application. Nevertheless, risk cannot be fully excluded. Therefore, contact of companion animals with biocidal product during and after the application should be prevented and needs to be labelled.

The biocidal product should not be applied in areas where food for human consumption is exposed at the time of treatment. The product is only to be used in case of an infestation as no residual activity has been demonstrated. Avoid exclusive repeated use of insecticides from the same chemical subgroup which for etofenprox is IRAC subgroup 3A (<http://www.irac-online.org/modes-of-action/>). Alternate products containing active substances with different mode of action (i.e. from other IRAC Mode of Action groups). Take into account the life cycle and characteristics of target insects to adapt treatments. In particular, target the most susceptible stage of the pest, timing of applications and areas to be treated. Adopt integrated pest management methods such as the combination of chemical, physical control methods and other public health measures, taking into account local specificities (climatic conditions, target species, conditions of use, etc.). The authorization holder should report any observed resistance incidents to the Competent Authorities (CA) or other appointed bodies involved in resistance management.

4.1.2 Use-specific risk mitigation measures

Personal precautions, protective equipment and emergency procedure:

Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information) (professionals only). A protective coverall (at least type 6, EN 13034) shall be worn. In poor ventilate environments, protect breathing ways (mask with filter for organic vapors).

Avoid contact to skin and eyes.

Environmental precautions:

Avoid that the product reaches drains, water drains and penetrates into the soil. If waters or drains are polluted, inform immediately the competent Authorities.

The authorization holder should report any observed resistance incidents to the Competent Authorities (CA) or other appointed bodies involved in resistance management.

Methods and materials for containment and cleaning up:

Cover spillage with moist sand or soil. Transfer to a container for disposal as a dangerous waste. Washings must be prevented from entering surface water drains. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

Evacuate animals prior to treatment.

Remove all food, feed and drinks prior treatment.

Assure children and animals are not present in areas during fumigation/nebulizing.

Do not allow children and companion animals to enter treated area until dry and cleaned.

Do not use on surfaces, utensils and facilities likely to be in contact with food, feed, drinks and animals. To avoid indirect contamination during nearby application, cover all surfaces and facilities likely to be in contact with food, feed, drinks and animals.

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

Eye contact – The product is dangerous for eyes. Flush eyes immediately with plenty of water for at least 15/20 minutes lifting eye lids. If eyes are still red and there is still nuisance, consult an ophthalmologist.

Skin contact – The product is dangerous for skin. In case of contact with skin wash skin immediately with soap and plenty of water. Take off clothes, also the shoes, that were contaminated by the mixture. In any case of persistent irritation/pain, it's better to seek medical advice.

Inhalation - Bring person to open air. If the person is unconscious, place in lateral safety positions. In any case, it's better to seek medical advice. Ensure good air circulation. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion – Seek immediately a doctor. Do not administer anything if it isn't under medical advice and however, only if the patient is conscious. Do not induce vomiting. If the person is unconscious, place in lateral safety positions. Ensure good air circulation. Loosen tight clothing such as a collar, tie, belt or waistband. In any case, it's better to seek medical advice.

Most important symptoms and effects, both acute and delayed:

The mixture contains ETOFENPROX index number: 604-091-00-3: avoid the exposition to women that to breast-feed their children. Indication of any immediate medical attention and special treatment needed: In case of doubt or symptoms persists, seek a doctor, provide the label information contained in this technical data sheet. The first aid, in case of accident, must be made by qualified personal, to avoid further complications.

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

Arrange disposal by incineration or with other approved suitable treatments. Elimination or recycling according with the local Authority Regulations. In a professional use, containers, even if completely empty, must be disposed as dangerous waste.

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

Keep container tightly closed in cool and dry places, far from unauthorized people, far from foods and domestic animals. Protect from direct solar rays. Mixture fear cold. Keep far from combustion fonts and near extinguishing media. Accurate ventilation/aspiration in work places.

Shelf-life: 12 months

5. General directions for use

5.1. Instructions for use

Keep container tightly closed in cool and dry places, far from unauthorized people, far from foods and domestic animals. Protect from direct solar rays. Mixture fear cold. Keep far from combustion fonts and near extinguishing media. Accurate ventilation/aspiration in work places.

5.2. Risk mitigation measures

-Personal precautions, protective equipment and emergency procedureWear suitable gloves, glasses and protective clothing. In poor ventilate environments, protect breathing ways (mask with filter for organic vapors).
-Environmental precautions: Avoid that the product reaches drains, water drains and penetrates into the soil. If waters or drains are polluted, inform immediately the competent Authorities.
- Methods and materials for containment and cleaning up:Cover spillage with moist sand or soil. Transfer to a container for disposal as a dangerous waste. Wash the spillage area with water. Washings must be prevented from entering surface water drains.Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

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

Poisoning may cause:

- Eye damage and Skin Irritation.

Basic first aid procedures:

- If in contact with eyes, rinse with plenty of water for at least 15 minutes. Do NOT forget to remove the contact lenses.
- If in contact with skin, wash with soap and plenty of water, without rubbing
- If necessary bring the person to the hospital and show the label or packaging when possible. Do not leave poisoned person alone.

Medical advice for doctors and sanitary staff

- Symptomatic and supportive treatment

IF MEDICAL ADVICE IS NEEDED, TAKE THE PRODUCT CONTAINER OR LABEL AND CONTACT THE POISON CONTROL CENTER

Eye contact – The product is dangerous for eyes. Flush eyes immediately with plenty of water for at least 15/20 minutes lifting eye lids. If eyes are still red and there is still nuisance, consult an ophthalmologist.

Skin contact – The product is dangerous for skin. In case of contact with skin wash skin immediately with soap and plenty of water. Take off clothes, also the shoes, that were contaminated by the mixture. In any case of persistent irritation/pain, it's better to seek medical advice.

Inhalation - Bring person to open air. If the person is unconscious, place in lateral safety positions. In any case, it's better to seek medical advice. Ensure good air circulation. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion – Seek immediately a doctor. Do not administer anything if it isn't under medical advice and however, only if the patient is conscious. Do not induce vomiting. If the person is unconscious, place in lateral safety positions. Ensure good air circulation. Loosen tight clothing such as a collar, tie, belt or waistband. In any case, it's better to seek medical advice.

Most important symptoms and effects, both acute and delayed:

The mixture contains ETOFENPROX index number: 604-091-00-3: avoid the exposition to women that to breast-feed their children.

Indication of any immediate medical attention and special treatment needed:In case of doubt or symptoms persists, seek a doctor, provide the label information contained in this technical data sheet. The first aid, in case of accident, must be make by qualified personal, to avoid further complications.

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

Arrange disposal by incineration or with other approved suitable treatments. Elimination or recycling according with the local Authority Regulations. In a professional use, containers, even if completely empty, must be disposed as dangerous waste. Residues of the biocidal products must be disposed of in accordance with the Waste Framework Directive (2008/98/EG) and the European Waste Catalogue (EWC) as well as national and regional regulations.

Leave biocidal products in original containers. Do not mix with other wastes. Containers containing residues of the product have to be handled accordingly.

Waste entry on pesticides: 20 01 19

Waste entry on packaging containing residues of or contaminated by dangerous substances: 15 01 10

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

The long-term storage stability test of ETOCINQUE in HDPE/EVOH supports a 12 months shelf-life.
Keep container tightly closed in cool and dry places, far from unauthorized people, far from food and domestic animals. Protect from direct solar rays. Do not store at temperature lower than 0°C. Keep far from combustion fonts and near extinguishing media.
Accurate ventilation/aspiration in work places

6. Other information

One substance of concern is present in the co-formulant SOITEM ME 275C:

Sodium 1,4-bis((2-ethylhexyl)oxy)-1,4-dioxobutane-2-sulfonate (CAS N. 577-11-7; EC N. 209-406-4), resulting in a concentration of 3 % in the biocidal product.