Summary of product characteristics for a biocidal product family

Family name: Deltamethrin EW 20

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

Authorisation number: IE/BPA 70713

R4BP 3 asset reference number: IE-0004742-0000

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Part I.- First information level

1. Administrative information

1.1. Family name

Deltamethrin EW 20

1.2. Product type(s)

PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

1.3. Authorisation holder

Name and address of the authorisation holder	Name	2022 ENVIRONMENTAL SCIENCE FR SAS
	Address	3, place Giovanni Da Verrazzano 69009 LYON France
Authorisation number	IE/BPA 70713	

R4BP 3 asset reference number	IE-0004742-0000
Date of the authorisation	24/04/2019
Expiry date of the authorisation	06/04/2027

1.4. Manufacturer(s) of the biocidal products

Name of the manufacturer	Bayer S.A.S.
Address of the manufacturer	16 rue Jean-Marie Leclair – CS 90106 69266 Lyon Cedex 09 France
Location of manufacturing sites	Bayer S.A.S Bayer CropScience Industrial operation 1, Avenue Edouard Herriot F-69400 Villefranche-Limas France
	SBM Formulation Manufacturing Plant ZI Avenue Jean Foucault CS621 34500 Beziers France

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

Active substance	24 - deltamethrin
Name of the manufacturer	Bayer CropScience AG
Address of the manufacturer	Alfred-Nobel Strasse 50 40789 Monheim am Rhein Germany
Location of manufacturing sites	Bayer Vapi Private Limited (formerly Bilag Industries Pvt Ltd) 306/3, II Phase, GIDC 396195 Vapi India

2. Product family composition and formulation

2.1. Qualitative and quantitative information on the composition of the family

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
deltamethrin	(S)-a-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylate	Active Substance	52918-63-5	258-256-6	20 - 20
Solvesso 200 ND		Non-active substance			25 - 25
1,2-benzisothiazol-3(2H)-one		Non-active substance			0,02 - 0,02

2.2. Type(s) of formulation

EW - Emulsion, oil in water

Part II.- Second information level - meta SPC(s)

1. Meta SPC administrative information

1.1. Meta SPC identifier

Aqua K-Othrine (Deltamethrin EW 20)

1.2. Suffix to the authorisation number

1-1

1.3 Product type(s)

PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

2. Meta SPC composition

2.1.Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
deltamethrin	(S)-a-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylate	Active Substance	52918-63-5	258-256-6	20 - 20
Solvesso 200 ND		Non-active substance			25 - 25
1,2-benzisothiazol-3(2H)-one		Non-active substance			0,02 - 0,02

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

EW - Emulsion, oil in water

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Harmful if swallowed.

	May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.
Precautionary statements	Avoid breathing spray. Wash hands thoroughly after handling. Do no eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves. Wear protective clothing. [In case of inadequate ventilation] wear respiratory protection. IF SWALLOWED:Immediately call a POISON CENTER or doctor/physician. IF ON SKIN:Wash with plenty of soap and water.. Specific treatment (see instructions on this label). Rinse mouth. Do NOT induce vomiting. If skin irritation or rash occurs:Get medical advice. If skin irritation or rash occurs:Get medical attention. Wash contaminated clothing before reuse. Collect spillage. Store locked up. Dispose of contents to local regulation. Dispose of container to local regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Ground application (indoor use)

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

Where relevant, an exact description of the authorised use	Terrestrial application indoors as a space spray with thermal fogging equipment.
Target organism(s) (including development stage)	Scientific name: Culicidae: Common name: Mosquitoes Development stage: Adults
Field(s) of use	Indoor Terrestrial application indoors as a space spray with thermal fogging equipment.
Application method(s)	Method: Fogging Detailed description: Space spray by thermal fogging. For thermal fogging equipment, both standard and ULV equipment can be used. The instructions of the chosen equipment must be followed accurately to obtain the optimal droplet size required for best product performance.
Application rate(s) and frequencies	Application Rate: 0.05 g deltamethrin / 1000m3 (2.5 ml product/ 1000m3) Dilution (%): 1:99 to 1:199 (product: water) (0.5-1%) Number and timing of application: Application interval: Infestation dependent
Category(ies) of users	Trained professional Professional
Pack sizes and packaging material	From 1L up to 20 L plastic bottle (CoEX: PE/PA or PE/EV).

4.1.1 Use-specific instructions for use

Precautions for indoor fogging and information for people re-entering the rooms: -no bystander should be present during application or re-enter the room during the following 4 hours waiting period. -ventilate the treated room sufficiently before unprotected people re-enter.

4.1.2 Use-specific risk mitigation measures

Precautions for indoor fogging and information for people re-entering the rooms:
-no bystander should be present during application or re-enter the room during the following 4 hours waiting period.
-ventilate the treated room sufficiently before unprotected people re-enter.

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

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

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

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5. General directions for use of the meta SPC

5.1. Instructions for use

SHAKE WELL BEFORE USE WITH 5-7 BOTTLE INVERSIONS.
Efficacy
Dilution rates vary greatly depending on the selected equipment. Strategies for avoiding and/or managing the development of resistance
are provided as follows:
- where possible, application treatments should be recommended to be combined with non-chemical measures.
- products should always be used in accordance with label recommendations.
- applications should always be made against the most susceptible stages in the pest life cycle.
- where an extended period of control is required, treatments should be alternated with products with different modes of action.
- levels of effectiveness should be monitored, and instances of reduced effectiveness should be investigated for possible evidence of resistance, noting that sanitary conditions and proximity of untreated refuges can contribute to the risk of re-infestation.
- in cases where label rates, correctly applied, fail to give the expected level of control and resistance is demonstrated, use of any product containing active substance with the same mode of action should cease.
- Establish a baseline and monitor levels of effectiveness on populations in key areas (at least one survey per year) in order to detect any significant changes in susceptibility to active substance. Information from resistance monitoring programs allows early detection of problems and gives information for correct decision making.
- The users should inform if the treatment is ineffective and report straightforward to the registration holder
- The authorization holder should report any observed resistance incidents to the Competent Authorities (CA) or other appointed bodies involved in resistance management.
- Do not [use/apply] the product in areas where resistance to the active substance(s) contained in this product is suspected or established.
- Check the efficacy of the product on site : if needed, causes of reduced efficacy must be investigated to ensure that there is no resistance or to identify potential resistance.

Dilute the concentrate with water as instructed by the equipment
manufacturer to achieve the doses rates mention above. Wear coverall,
protective gloves and respiratory protective equipment when during application.

Diluted insecticide should never be stored: a fresh dilution should be prepared as necessary. Do not apply in the presence of naked flames, hot surfaces or unprotected electrical equipment. Do not spray the moving parts of any machinery, electric motors and switch gear. Do not spray and avoid spilling, on plastics or synthetic tiles. Polished surfaces may lose their gloss until re-polished.
The sprayers should be cleaned in a designated area (e.g. biobeds). The worker involved in the cleaning should be protected using appropriate personal
protective equipment (gloves). The wash water should be primarily considered
for re-use making sure the maximum dose is not exceeded or should be disposed off as hazardous waste.

5.2. Risk mitigation measures

Wear protective gloves, protective clothing during mixing/loading and application.
Wear respiratory protective equipment (*A1 for organc gases – EN 14387)* during application .
The worker involved in the cleaning of the application equipment should wear gloves.
Do not apply directly to animals.
Keep away from food, drink and animal feeding stuffs.

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

- Inhalation: Remove victim to fresh air and keep at rest in a half-sitting position. Seek medical advice immediately or call a poison control center if symptoms occur or large quantities have been inhaled.
- DO NOT drink or induce vomiting in case of impaired consciousness; place in recovery position and seek medical advice immediately.
- Ingestion: Wash out mouth with water. DO NOT drink or induce vomiting. Seek medical advice immediately or call a poison control centre.
- Skin contact: remove contaminated clothing and shoes. Wash contaminated skin with soap and water.Seek medical advice or call a poison control centre if symptoms occur.
- Eye contact: Immediately flush with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse with
warm water for at least 15 minutes. Get medical attention if irritation or
vision impairment occurs.
Keep the container or label available.

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

Please refer to local regulations.

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

The product remains stable for 4 years when stored in its original, unopened container under cool, dry and well-ventilated conditions. Store in a place accessible by authorized persons only. Avoid extremes of temperature and direct sunlight. Store only in the original container.

6. Other information

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	Deltamethrin EW 20	Market area: IE
	Aqua K-Othrine	Market area: IE
Authorisation number **(R4BP 3 asset reference number - National Authorisation)**	IE-0004742-0001 1-1	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
deltamethrin	(S)-a-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylate	Active Substance	52918-63-5	258-256-6	20
Solvesso 200 ND		Non-active substance			25

1,2-benzisothiazol-3(2H)-one	Non-active substance	0,02