

# Summary of product characteristics for a biocidal product

**Product name:** VECTOBAC WG

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

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**Authorisation number:** FR-2015-0038

**R4BP 3 asset reference number:** FR-0008799-0000

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## Administrative information

### 1.1. Trade names of the product

VECTOBAC WG
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### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	Sumitomo Chemical Agro Europe SAS
	Address	Parc d' Affaires de Crécy 10A, rue de la Voie Lactée 69370 Saint Didier au Mont d'Or France
<b>Authorisation number</b>	FR-2015-0038	
<b>R4BP 3 asset reference number</b>	FR-0008799-0000	
<b>Date of the authorisation</b>	01/07/2016	
<b>Expiry date of the authorisation</b>	29/06/2026	

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

<b>Name of the manufacturer</b>	VALENT BIOSCIENCES CORPORATION
<b>Address of the manufacturer</b>	870 TECHNOLOGY WAY 600048 LIBERTYVILLE United States
<b>Location of manufacturing sites</b>	A TO Z DRYING. INC 1000 WALLACE ROAD 50641 OSAGE, IOWA United States

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

<b>Active substance</b>	5 - Bacillus thuringiensis subsp. israelensis Serotype H14, Strain AM65-52
<b>Name of the manufacturer</b>	VALENT BIOSCIENCES CORPORATION
<b>Address of the manufacturer</b>	870 TECHNOLOGY WAY 600048 LIBERTYVILLE United States
<b>Location of manufacturing sites</b>	ABBVIE INC. 1401 SHERIDAN ROAD 60064 NORTH CHICAGO, ILLINOIS United States
	2142 350TH STREET 50461 OSAGE IOWA United States

## 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 (%)
Bacillus thuringiensis subsp. israelensis Serotype H14, Strain AM65-52	Bacillus thuringiensis subsp. israelensis Serotype H14, Strain AM65-52	Active Substance			37,4

### 2.2. Type of formulation

WG - Water dispersible granules
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## 3. Hazard and precautionary statements

<b>Hazard statements</b>	
<b>Precautionary statements</b>	

## 4. Authorised use(s)

## 4.1 Use description

### Use 1 - Professional users - Ground application

<b>Product type</b>	PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)
<b>Where relevant, an exact description of the authorised use</b>	VECTOBAC WG is used for the control of mosquito larvae in water where mosquito breeding occurs
<b>Target organism(s) (including development stage)</b>	Scientific name: Culicidae (genus Aedes (Ochlerotatus), Anopheles, Culiseta and Ctenophora) Common name: Mosquitoes Development stage: Larvae (L1 à L4)
<b>Field(s) of use</b>	Outdoor  Outdoor use Surface water, septic tanks, pipes and sewers.
<b>Application method(s)</b>	Method: Spraying Detailed description: Ground application (hand-held compressed air sprayer, knapsack sprayer, atomizer, vehicle mounted air sprayer) or hand flow (watering can).
<b>Application rate(s) and frequencies</b>	Application Rate: 125 – 1000 g/ha Dilution (%): - Number and timing of application: 125 -1000 g/ha  The product must be dispersed in water prior to application. The volume of water varies between 2.5 and 1000 L  The dose rates may be depend on the population density and water quality. The lowest dose rates (125 - 500 g/ha) provide adequate control of 1st through early of 4th instar larvae. in cases of predominance of 4th instar larvae, high population densities, water containing high levels of organic matter, colder temperature, and / or significant water exchange, higher rates (500 - 1000 g/ha) should be used to provide good control of mosquitoes.  Time delay : 24h after application
<b>Category(ies) of users</b>	Trained professional  Professional
<b>Pack sizes and packaging material</b>	500 g to 5 kg HDPE container, or 25 kg fibre drums

#### 4.1.1 Use-specific instructions for use

#### 4.1.1 Use-specific instructions for use

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#### 4.1.2 Use-specific risk mitigation measures

- Professionals must wear gloves, working coverall , goggles and respiratory mask (with P3 filter)

#### 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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### 4.2 Use description

#### Use 2 - Professional users - Aerial application

##### Product type

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

##### Where relevant, an exact description of the authorised use

VECTOBAC WG is used for the control of mosquito larvae in water where mosquito breeding occurs

##### Target organism(s) (including development stage)

Scientific name: Culicidae (genus Aedes (Ochlerotatus), Anopheles, Culiseta and Culex)  
Common name: Mosquitoes  
Development stage: Larvae (L1 à L4)

##### Field(s) of use

Outdoor

Outdoor use  
Surface water, septic tanks, pipes and sewers.

Method: Spraying

<b>Application method(s)</b>	Detailed description: Aerial spray application (aerial application equipment - airplane ). Aerial application by spreading ice granules (ice granules using a granule spreader or helicopter).
<b>Application rate(s) and frequencies</b>	Application Rate: 125 – 1000 g/ha Dilution (%): - Number and timing of application: 125 -1000 g/ha. The product must be dispersed in water prior to application. The volume of water varies between: - by spraying : 2.5 and 1000 L/ha - by spreading ice granules : 5 and 30 L/ha  The dose rates may be depend on the population density and water quality. The lowest dose rates (125 - 500 g/ha) provide adequate control of 1st through early of 4th instar larvae. in cases of predominance of 4th instar larvae, high population densities, water containing high levels of organic matter, colder temperature, and / or significant water exchange, higher rates (500 - 1000 g/ha) should be used to provide good control of mosquitoes.  Time delay : 24h after application
<b>Category(ies) of users</b>	Trained professional  Professional
<b>Pack sizes and packaging material</b>	500 g to 5 kg HDPE container, or 25 kg fibre drums

#### 4.2.1 Use-specific instructions for use

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#### 4.2.2 Use-specific risk mitigation measures

- The general public should be appropriately informed about aerial application (eg by warning signs around the treated area before, during and 48 hours after treatment).
- A drift buffer zone of 50 m should be respected after aerial application and when the product is applied with a vehicle mounted motorized spray equipment. Another mode of application (such as with a portable sprayer) should be used in areas closed to habitations.
- Aerial application is only allowed when ground application is not feasible.
- Aerial application is only allowed for areas larger than 0.5 ha.
- The person responsible for the control shall ensure that the application equipment is suitable for the type of aircraft, calibrated properly and that wind drift is minimized at the application site, in order to ensure correct dosage and avoid exposure to soil.
- The aircraft should be equipped with a professional GPS Guidance system enabling precise application of VECTOBAC WG where granted.

#### 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

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

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#### 4.2.5 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

#### 5.1. Instructions for use

To ensure a satisfactory level of efficacy, the following recommendations have to be implemented:

- Always read the label or leaflet before use and respect follow all the instructions provided.
- 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).
- Equipment used for treatments must be appropriate, properly maintained and calibrated.
- 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.
- Inform the authorization holder if the treatment is ineffective.

#### 5.2. Risk mitigation measures

- Professionals must wear gloves, working coverall, goggles and respiratory mask (with P3 filter)
- VECTOBAC WG should not be used by professional workers affected by immunodeficiency, primary or secondary, or in treatment with immunosuppressive agents, which can significantly reduce the effectiveness of the immune system response.
- In case of re-entry after treatment on rice, it is recommended to workers to wear a working coverall and gloves.
- Non users are not permitted in area being treated.
- VECTOBAC WG should not be applied in water surrounding crops, except in water surrounding rice for which a pre harvest interval of 1 month is required.
- The person in charge of the control must ensure that the personnel in charge of the control has sufficient knowledge about 1- mosquitoes and their life cycle as larvae and adults; 2- the use of suitable application equipment; 3- the preparation of the prescribed dose.
- Do not exceed 8 applications with an interval of at least 10 days.
- The labeling of the product should provide information to the user about the responsibility to follow any local requirements regarding consultation with relevant authority, before the use of VECTOBAC WG in a natural water habitat.
- When applying VECTOBAC WG to ecosystems of great value for biodiversity, i.e. Natura 2000 or nature reserve, specific permission is required.
- The user shall keep records of all uses, including treated areas and concentrations used, for at least 10 years and upon request provide the information to authorities or research.

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



- Wear suitable protective clothing during handling the product.
- Avoid contact with skin, eyes and respiratory tract.
- During treatment, wear suitable protective clothing.
- Do not eat, drink or smoke during application and until your hands have been washed.
- Advice to doctor: symptomatic treatment is advised.

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

- Dispose of unused product, its packaging and all other waste in accordance with local regulations.
- Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets...) nor down the drains.

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

- Do not store at temperature above 4 °C.
- Protect from the light.
- Shelf life: 2 years

#### **6. Other information**

- The label must meet the recommended conditions of use and the guide about the labelling of biocidal products.
- The authorization holder has to report any observed resistance incidents to the Competent Authorities (CA) or other appointed bodies involved in resistance management.
- Contains *Bacillus thuringiensis israelensis*, micro-organisms may have a potential to provoke sensitising reactions