

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

- Product form : Mixture
- Product name : Ovalis Rhizofertil®
- Product group : Wettable powder (WP)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

- Main use category : Phytosanitary product for professional use. Agriculture
- Use of the substance/mixture : Micro-organism-based fertilizing material

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

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[www.elephant-vert.com](http://www.elephant-vert.com)

#### 1.4. Emergency telephone number

Belgium	Centre antipoison	+32 (0) 70 245 245
France	ORFILA (INRS)	+ 33 (0) 1 45 42 59 59
Kenya	National Poison Information and Management Centre	+254 (0) 800 720021
Morocco	Centre antipoison	+212 (0)5 37 68 64 64 +212 (0)8 01 00 01 80

### Section 2. Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) N°1272/2008 (CLP):

Not classified

Adverse physicochemical, human health and environmental effects

Emergency plans: Evacuate the area.  
Ensure optimal ventilation.  
Avoid direct contact with the substance.  
Contain all kind of leaks or spills through dams or absorbent products to prevent displacement and entry into sewers or water courses.



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### 2.2. Label elements

Labelling according to Regulation (EC) N°1272/2008 (CLP) :

- **Hazard pictograms** : none
- **Signal word** : none
- **Hazard statements** : none
- **Precautionary statements**
  - P102 Keep out of reach of children.
  - P270 Do not eat, drink or smoke when using this product.
  - P273 Avoid release to the environment.
  - P302+P352 IF ON SKIN: Wash with plenty of water.
  - P401+P402 Store the product at room temperature between 4 and 20°C, away from light. Store in a dry place.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulation.
- **EUH phrases**
  - EUH208 Contains *Pseudomonas putida* (sensitizing microorganism). May produce an allergic reaction.
  - EUH210 Safety data sheet available on request.

Refer to the section 8.2 for the Individual Protection Equipment.

### 2.3. Other hazards

Substance do not meet the criteria for PBT according with REACH Regulation Annex XIII

Substance do not meet the criteria for vPvB according with REACH Regulation Annex XIII.

## Section 3. Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) N°1272/2008 (CLP)
<i>Pseudomonas putida</i> strain I-4613	CAS : / CE : / EINECS : /	1x10 <sup>8</sup> CFU/g	Microorganism may cause skin sensitization

Full text of H-statements: see section 16.

## Section 4. First aid measures

### 4.1. Description of first aid measures

First-aid measures general

Avoid breathing dust/fume/gas/mist/vapours/ spray.



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### First-aid measures after inhalation

If the person is unconscious, ask for a medical assistance. If the person is conscious, move him/her away and make him/her breath fresh air, then consult a physician.

### First-aid measures after skin contact

Wash immediately with plenty of soap and water. Take of contaminated clothing.

### First-aid measures after eye contact

Wash the eye with plenty of water for at least 15 minutes by separating the eyelids from the eye. Consult a physician.

### First-aid measures after ingestion

Call a poison center or a physician.

#### **4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects

No information available.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment and supportively.

## Section 5. Firefighting measures

### **5.1. Extinguishing media**

Suitable extinguishing media

: Water spray; Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media

: Chemical powder and foam.

### **5.2. Special hazards arising from the substance or mixture**

Toxic smoke may be released from combustion.

### **5.3. Advice for firefighters**

Take into consideration the biological risks that might come from the places where the material is used and stored.

## Section 6. Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **6.1.1. For non-emergency personnel**

Evacuate the area. Keep people away from leaks/spills and upwind to avoid breathing dust.

Avoid contact with eyes, skin.

#### **6.1.2. For emergency responders**

Handle material with appropriate protections (gloves, coveralls, boots...) and wear a suitable dust mask in the event of dust surges.

Wear appropriate personal protections (see section 8).

### **6.2. Environmental precautions**

Avoid any release into the environment especially surface water contamination.

### **6.3. Methods and material for containment and cleaning up**



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Cleaning processes: Contain and collect spillage with non-combustible absorbent materials into drums for waste disposal in accordance with local /regional /national /international regulation. Clean contaminated floors and objects thoroughly with water and detergents disinfectants.

### 6.4. Reference to other sections

For more information, see Section 13.

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Follow personal protection instructions, see Section 8.2.

#### Additional hazards when processed

Avoid handling by person who are highly immunocompromised or under immunosuppressive therapy.

#### Precautions for safe handling

Prevent dust emission and dispersion into the atmosphere. Rooms where dust may be generated must be identified.

#### Hygiene measures

Do not to eat, drink and smoke in work areas. Wash hands, after each use.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep in a dry place.

Storage temperature: Store at a temperature between 4°C to 20°C.

### 7.3. Specific end use(s)

Follow use recommendations.

## Section 8. Exposure controls/personal protection

### 8.1. Control parameters

Follow the national limit value on exposure to non-specific dust  $VME \leq 10 \text{ mg/m}^3$ .

### 8.2. Exposure controls

#### Appropriate technical controls:

Provide adequate ventilation, especially in confined spaces.

#### Protection of hands:

Wear gloves.

#### Eye protection:

Wear appropriate glasses in case of dust formation.

#### Protection of the skin and body:

Wear appropriate Protective clothing.



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### Protection of the respiratory tract:

Wear appropriate glasses in case of dust formation (EN149, FFP3 or equivalent).

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Powder
Colour	White
Odour	Neutral
Odour threshold	No more information available
pH	6,5
Relative evaporation rate (butylacetate=1)	No more information available
Melting point	Not applicable to microorganism
Freezing point	Not applicable to microorganism
Boiling point	Not applicable to microorganism
Flash point	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Flammability (solid, gas)	No information available
Vapour pressure	Not applicable to microorganism
Relative vapour density at 20 °C	No more information available
Relative density	0,9 g/l
Solubility	About 70%
Log Pow	No information available
Viscosity, kinematic	Not applicable to microorganism
Viscosity, dynamic	Not applicable to microorganism
Explosive properties	No information available
Oxidising properties	No information available
Explosive limits	No information available

### 9.2. Other information

No additional information available

## Section 10. Stability and reactivity

### 10.1. Reactivity

The product is stable at normal handling and storage conditions.

### 10.2. Chemical stability



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The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No hazard reactions known under normal handling.

### 10.4. Conditions to avoid

Extreme temperatures.

Protect the product from humidity.

### 10.5. Incompatible materials

Bactericides, fungicides, insecticides and herbicides.

### 10.6. Hazardous decomposition products

Typical decomposition products : carbon monoxide et dioxide, water, oxygen

## Section 11. Toxicological information

### 11.1. Information on toxicological effects

- Acute toxicity	Not classified
- Skin corrosion/irritation	Not irritant for skin
- Serious eye damage/irritation	Not irritant for eye
- Respiratory or skin sensitisation	Contains <i>Pseudomonas putida</i> (sensitizing microorganism). May produce an allergic reaction.
- Germ cell mutagenicity	Not classified
- Carcinogenicity	Not classified
- Reproductive toxicity STOT-single exposure	Not classified
- Reproductive toxicity STOT-repeated exposure	Not classified
- Aspiration hazard	Not classified

## Section 12. Ecological information

### 12.1. Toxicity

Not classified

### 12.2. Persistence and degradability

Micro-organisms which occur naturally in the soils. No data currently available on the bacteria biodegradability.

### 12.3. Bioaccumulative potential

No bioaccumulation expected. Excessive growth is not likely.

### 12.4. Mobility in soil

Information currently not available.

### 12.5. Results of PBT and vPvB assessment



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Do not meet these standards.

**12.6. Other adverse effects**

No additional information available

### Section 13. Disposal considerations

**13.1. Waste treatment methods**

Waste treatment methods

Treat by incineration in landfills in accordance with local regulation.

### Section 14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN number**

Not classified

**14.2. UN proper shipping name**

Not applicable

**14.3. Transport hazard class(es)**

Not applicable

**14.4. Packing group**

Not applicable

**14.5. Environmental hazards**

Not applicable

**14.6. Special precautions for user**

See Section 8.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

### Section 15. Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions.

Contains no substance on the REACH candidate list

**15.1.2. National regulations**

No additional information available

**15.2. Chemical safety assessment**

Not applicable, leaving microorganism.



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### **Section 16. Other information**

#### **Full text of H- and EUH-statements:**

**EUH208** Contains *Pseudomonas putida* (sensitizing microorganism). May produce an allergic reaction.

**EUH210** Safety data sheet available on request.

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.