Declaration of Labelling (DoL) for IRS

Label affixed to container:

1. Product Identification

Product name: Fludora® Fusion

This product is a Wettable Powder in sealed water-soluble Bag (WP-SB) packaged in [80 or 100]g sachets.

Manufactured by:
Bayer S.A.S
Environmental Science
16, rue Jean Marie Leclair
CS 90106
69266 Lyon Cedex 09
+33 472 854 321
http://www.bayer.fr

Distributed by:
Bayer or local distributor

Lot/Batch number: unique code [e.g. BATCH EQ1301803 - PROD 03/2017 – 201703000]
Date of Release:
Country of Origin:

Net Contents: 80 or 100 g

2. Ingredient Statement

Clothianidin (CAS 210880-92-5): 50%
Deltamethrin (CAS 52918-63-5): 6.25%
Other Ingredients: 43.75%

Clothianidin is a neonicotinoid in IRAC group 4A
Deltamethrin is a pyrethroid in IRAC Group 3A

3. Safety

Precautions:

Prior to use: For indoor residual spray application in houses, all persons and domestic animals should be kept outside during spraying. Foodstuffs, cooking utensils and furniture should be removed outside prior to application. If it is not possible to remove the furniture then it should be covered with impermeable plastic sheeting.
After use: Wash hands and exposed skin with soap and water immediately after use. Residents and domestic animals should not enter sprayed areas until spray deposits are dry. Instruct the householder to sweep or mop the floor before children or pets are allowed to re-enter.

Personal Protective Equipment: Wear sturdy footwear, long-sleeved shirt and trousers, and gloves. Hat and face-shield must be worn when overhead application is carried out. If clothing becomes contaminated remove and wash affected clothing.

Handling and storage:
Handling: Avoid dust formation. Use only in area with appropriate ventilation.
Storage: Store containers tightly closed in a dry, cool, well ventilated place away from direct sunlight and accessible by authorized persons only. Keep away from food, drink and animal feedstuffs.

Warnings:
Do not eat, drink or smoke whilst mixing or using product.
Do not apply to surfaces on which raw or processed food or feed is stored, prepared or eaten.
Do not spray rooms with sick or bed-ridden occupants.
Dispose of any unused spray solutions by applying on other unsprayed walls (e.g. latrines, corridors) according to these label directions.

First Aid:
Remove the exposed person immediately from the source of contamination and keep him/her quiet, reassured and in stable position. Remove any contaminated clothing immediately and dispose of safely.
In case of skin contact: Immediately wash with plenty of soap and cold water for at least 15 minutes. Warm water may increase the subjective severity of any paraesthesia/irritation (if experienced). This is not a sign of systemic poisoning. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.
In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Warm water may increase the subjective severity of any paraesthesia/irritation (if experienced). Apply soothing eye crops, if needed anaesthetic eye drops. Seek medical attention if irritation develops and persists.
Ingestion: Rinse out mouth and give water in small sips to drink. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this label.
Inhalation: Move to fresh air. Keep patient warm and at rest. Seek medical advice immediately and show this label.

Yellow color band for WHO Class II product (Moderately hazardous)
Protection of the environment:
Very toxic to aquatic life with long lasting effects.
Do not contaminate ponds or other water bodies with the product or used container. Do not dispose of any diluted spray solution into ponds or other water bodies.
Collect and puncture outer sachets for proper and safe disposal after application (e.g. Incineration or approved landfill, according to local regulations).

4. Directions for Use

This product is only intended to be used as an Indoor Residual Spray. It has been shown to control Anopheline mosquitoes which are known to transmit malaria.

Apply to indoor walls, eaves, and other surfaces on which mosquitoes or other target vectors may rest.

Target application rate:
The target dose of the product is 225 mg of active ingredient \(\text{clothianidin + deltamethrin}\) per m\(^2\). In order to achieve the target dose, it is important to follow the labelled directions for dilution, mixing and spraying instructions.

Equipment:
This product should only be applied with hand-held compression sprayers complying with WHO Specifications, fitted with flat fan nozzles under low to medium pressure. Constant Flow Valves can be used. Ensure that the spraying equipment functions correctly, is well maintained and does not leak.

Spray Preparation/Mixing Instructions:
Fill the tank half full of clean or filtered water. Tear-off one end of the outer sachet. DO NOT OPEN THE INNER SACHET (water-soluble bag). Remove inner sachet and place it directly into the spray tank containing the correct volume of water. Fill the tank with clean or filtered water to the appropriate volume. Close the spray tank cover. Mix well to ensure good suspension (pick up the sprayer and vigorously shake the tank 10 times).

Prepare only the amount of required diluted product for immediate usage. Do not store diluted material.
### Dilution Table

<table>
<thead>
<tr>
<th>Tank Capacity (L) with or without Constant Flow Valve (CFV)</th>
<th>Sachet</th>
<th>Nozzle Type</th>
<th>Required Volume of Water</th>
<th>Surface area (m²) to be covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 (CFV)</td>
<td>100</td>
<td>8002E</td>
<td>7.5</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>80</td>
<td>8002E</td>
<td>6</td>
<td>200</td>
</tr>
<tr>
<td>10 (no CFV)</td>
<td>100</td>
<td>8002E</td>
<td>10</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>80</td>
<td>8002E</td>
<td>8</td>
<td>200</td>
</tr>
</tbody>
</table>

### Instructions for Spraying:

Pressurize the tank in accordance with the manufactures instructions. The tank should be pressurized to 55 psi when using 8002E nozzle type. The target pressure should be maintained throughout the application. If pressure drops below 35 psi, re-pressurize the tank and continue spraying.

Apply spray in vertical swathes 75 cm wide, with an overlap of 5 cm. Spray from roof to floor, using a downward motion, to complete one swathe. Step sideways and spray upwards from floor to roof.

To ensure the correct swathe width, keep the spray tip about 45 cm from the wall. Lean forwards as you spray from top of the wall and move back as you bring the nozzle downwards, spraying at a tempo of 2.5 seconds per metre of surface sprayed.

Periodically agitate the sprayer during spraying operations. If spraying is interrupted, shake the sprayer before re-commencing spraying. Ensure even coverage of the spray deposits to the interior walls. Special attention should be paid to wall and roof eaves where gaps exist and mosquitoes may enter. If the roof is of thatch or similar material then the internal surface of the roof should be sprayed, using an extended lance where necessary.

### Maintenance of Spray Equipment:

Follow manufacturer’s instructions.

### 5. Product Claims

- First two-way insecticide combination for Indoor Residual Spraying to control Anopheles Mosquitoes
- Combines two unrelated modes of action acting on different target sites
- Fit in an overall insecticide resistance management strategy with improved efficacy under conditions of insecticide resistance
- Provides robust performance compared to either active ingredient applied alone
- Effective up to 8 months on a wide range of surface types (or beyond depending on surface type and mosquito strain)
- Wettable Powder formulation in Soluble Bag (WP-SB) improving convenience of use (easy dilution)
- Reduced exposure to spray operator while mixing and loading by the use of soluble bag