

# Summary of product characteristics for a biocidal product

**Product name:** FUMICIDE DM

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

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

**Authorisation number:** AT-0002046-0000

**R4BP 3 asset reference number:** AT-0002046-0000

## 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	9
5.1. Instructions for use	9
5.2. Risk mitigation measures	11
5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment	11
5.4. Instructions for safe disposal of the product and its packaging	13
5.5. Conditions of storage and shelf-life of the product under normal conditions of storage	13
6. Other information	14

## Administrative information

### 1.1. Trade names of the product

FUMICIDE DM
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### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	Kaeltia Compliance Services S.L.
	Address	C/ Margarita Salas N°2, 1°K 33204 Gijon Spain
<b>Authorisation number</b>	AT-0002046-0000	
<b>R4BP 3 asset reference number</b>	AT-0002046-0000	
<b>Date of the authorisation</b>	14/04/2022	
<b>Expiry date of the authorisation</b>	14/04/2032	

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

<b>Name of the manufacturer</b>	LCB Food Safety S.A.S.
<b>Address of the manufacturer</b>	P.A.E ACTIPARC, Rue des acacias, 01190 Boz France
<b>Location of manufacturing sites</b>	P.A.E ACTIPARC, Rue des acacias, 01190 Boz France

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

<b>Active substance</b>	24 - deltamethrin
<b>Name of the manufacturer</b>	Sharda Cropchem. Ltd.
<b>Address of the manufacturer</b>	Dominic Holm, 29th Road, Bandra (west) 400050 Mumbai India
<b>Location of manufacturing sites</b>	Dominic Holm, 29th Road, Bandra (west) 400050 Mumbai India

## 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 (%)
deltamethrin	(S)-a-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylate	Active Substance	52918-63-5	258-256-6	2,4
Ammonium nitrate	Ammonium nitrate	Non-active substance	6484-52-2	229-347-8	40
Basic copper carbonate	Copper(II) carbonate-copper(II) hydroxide (1:1)	Non-active substance	12069-69-1	235-113-6	1
Synthetic amorphous silicon dioxide	Silicon dioxide (amorphous) (nano)	Non-active substance	112926-00-8	231-545-4	14

### 2.2. Type of formulation

FU - Smoke generator

## 3. Hazard and precautionary statements

### Hazard statements

Heating may cause a fire.  
 May intensify fire; oxidiser  
 Very toxic to aquatic life.  
 Very toxic to aquatic life with long lasting effects.

### Precautionary statements

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. - No smoking.

Keep away from clothing and other combustible materials.

Keep only in original packaging.

Avoid release to the environment.

Collect spillage.

Store in a well-ventilated place.Keep cool.

Store at temperatures not exceeding 30 °C/86 °F.

Dispose of container to national/local regulations.

Dispose of contents to national/local regulations..

## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - Use # 1 – Insecticide, acaricide and product to control other arthropods - professional - air space treatment - indoor - domestic premises

<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>	Insecticides, acaricides and products to control other arthropods
<b>Target organism(s) (including development stage)</b>	<p>Scientific name: <i>Blattella germanica</i> Common name: German cockroach Development stage: Adults</p> <p>Scientific name: <i>Blatta orientalis</i> Common name: Oriental cockroach Development stage: Adults</p> <p>Scientific name: <i>Aedes albopictus</i> Common name: Aedes mosquitoes Development stage: Adults</p> <p>Scientific name: <i>Dermatophagoides pteronyssinus</i> Common name: House dust mites Development stage: Adults</p> <p>Scientific name: <i>Tegenaria domestica</i> Common name: House spider Development stage: Adults</p> <p>Scientific name: <i>Ctenocephalides felis</i> Common name: Cat flea Development stage: Adults and nymphs</p> <p>Scientific name: <i>Cimex lectularius</i> Common name: Bed bug Development stage: Adults</p> <p>Scientific name: <i>Musca domestica</i></p>

Common name: House fly  
Development stage: Adults

Scientific name: *Vespa crabro*  
Common name: hornets  
Development stage: Adults

Scientific name: *Armadillidium vulgare*  
Common name: Woodlice  
Development stage: Adults

## Field(s) of use

Indoor

Indoor – in rooms within domestic premises which are non-living areas (e.g. cellars; curative treatment only)

## Application method(s)

Method: Air space treatment by aerosols

Detailed description:

[Please refer to section 4.1 Use-specific instructions for use and to section 5.1 General instructions for use]

Application rates:

0.15 g b.p./m<sup>3</sup> (3.6 mg a.s./m<sup>3</sup>)

- hornets (*Vespa crabro*)

0.2 g b.p./m<sup>3</sup> (4.8 mg a.s./m<sup>3</sup>)

- cat flea (*Ctenocephalides felis*)

- bed bugs (*Cimex lectularius*)

- house dust mites (*Dermatophagoides pteronyssinus*)

- house spider (*Tegenaria domestica*)

- aedes mosquitoes (*Aedes albopictus*)

- woodlice (*Armadillidium vulgare*)

0.5 g b.p./m<sup>3</sup> (12 mg a.s./m<sup>3</sup>)

- German cockroach (*Blattella germanica*)

- Oriental cockroach (*Blatta orientalis*)

- house flies (*Musca domestica*)

## Application rate(s) and frequencies

Application Rate: Curative treatment: 0.15 g b.p./m<sup>3</sup> (3.6 mg a.s./m<sup>3</sup>): hornets; 0.2 g b.p./m<sup>3</sup> (4.8 mg a.s./m<sup>3</sup>): cat flea, bed bugs, house dust mites, house spider, aedes mosquitoes, woodlice; 0.5 g b.p./m<sup>3</sup> (12 mg a.s./m<sup>3</sup>): German cockroach, Oriental cockroach, house flies

Dilution (%): 0

Number and timing of application:

Perform maximal 2 applications/year with a minimum interval of 2 weeks between the treatments

- cat flea (*Ctenocephalides felis*), (contact time 4h; adults and nymphs)
- bed bugs (*Cimex lectularius*), (contact time 4h)
- house dust mites (*Dermatophagoides pteronyssinus*), (contact time 4h)
- house spider (*Tegenaria domestica*), (contact time 4h)
- aedes mosquitoes (*Aedes albopictus*), (contact time 4h)
- hornets (*Vespa crabro*), (contact time 4h)

	<ul style="list-style-type: none"> <li>- German cockroach (<i>Blattella germanica</i>), (contact time 1h)</li> <li>- Oriental cockroach (<i>Blatta orientalis</i>), (contact time 4h)</li> <li>- house flies (<i>Musca domestica</i>), (contact time 4h)</li> <li>- woodlice (<i>Armadillidium vulgare</i>), (contact time 4h)</li> </ul>
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	<p>Packaging material: Can/tin made of iron, coated with an internal varnish layer, consisting of an epoxy-phenolic resin; with an easy open cap with seal crimping.</p> <p>Packaging sizes: 20 g, 50 g, 100 g, 250 g, 500 g, 1000 g;</p>

#### 4.1.1 Use-specific instructions for use

<ul style="list-style-type: none"> <li>• Only use the product in rooms which are non-living areas (e.g. cellars).</li> <li>• Do not use the product directly on carpeting or linoleum.</li> <li>• Keep any readily inflammable or combustible material (e.g. cloth, curtain, or other) outside a distance of 1.5 m from the can.</li> <li>• After treatment, do not re-enter the room until a safety time of 60 hours has passed in case of treated premises where adequate ventilation is not possible. Otherwise, use the prescribed respiratory protective equipment (RPE) in order to enter the room and open windows and outside-doors for a minimum ventilation duration of 4 hours.</li> <li>• If treated rooms are accessed with higher frequency or where people stay for longer durations of time, dry-cleaning is mandatory after treatment.</li> </ul>
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#### 4.1.2 Use-specific risk mitigation measures

<ul style="list-style-type: none"> <li>• The product is only for indoor use in non-living areas and to be strictly applied in dry-cleaned rooms (e.g. cellars).</li> <li>• N-132, modified: Do not apply in rooms in which food or feed is stored, prepared or eaten.</li> </ul>
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- Remove items that could come in contact with food (e.g. dishes, tables), before starting the treatment.
- N-214, modified: All objects in the area to be treated must be protected from contamination by covering or removal.
- Covers shall be disposed of and shall not be cleaned with water after use. Dry cleaning methods (broom, vacuum cleaner) may be applied, if needed.
- Toddlers/children must not enter non-cleaned, treated areas.
- N-141: Do not use where release to drains (sewer) and/or surface water cannot be prevented.
- N-142, modified: Do not use where the biocidal product or its ashes can be discharged to municipal sewage treatment plant.
- N-38, modified: Dry-clean (broom or vacuum cleaner) treated area and dispose of residues (product and ashes) to hazardous solid waste in order to prevent releases to water.
- N-37, modified: Do not discharge the biocidal product, nor its residual ashes into the sewage system or the environment.

**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**

Please refer to section 5.3. General directions for use.

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

Covers may not be reused and shall be disposed of in accordance with local/national/international requirements.

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

Please refer to section 5.5. General directions for use.

**4.2 Use description**

**Use 2 - Use # 2 Insecticide, acaricide and product to control other arthropods - professional - air space treatment - indoor - breeding premises**

<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>	Insecticides, acaricides and products to control other arthropods
<b>Target organism(s) (including development stage)</b>	Scientific name: <i>Dermanyssus gallinae</i> Common name: Poultry red mite



Development stage: Adults

Scientific name: Dermestes maculatus  
Common name: Dermestre hide beetle  
Development stage: Adults

Scientific name: Alphitobius diaperinus  
Common name: Lesser mealworm  
Development stage: Adults

Scientific name: Blattella germanica  
Common name: German cockroach  
Development stage: Adults

Scientific name: Blatta orientalis  
Common name: Oriental cockroach  
Development stage: Adults

**Field(s) of use**

Indoor

Indoor - breeding premises only: Laying farms, chicken growing farms, fattening pigs and sows (curative treatment only)

**Application method(s)**

Method: Air space treatment by aerosols  
Detailed description:  
*[Please refer to section 4.1 Use-specific instructions for use and to section 5.1 General instructions for use]*

Application rates:

1 g b.p./m<sup>3</sup> (24 mg a.s./m<sup>3</sup>)

- poultry red mites (Dermanyssus gallinae)
- dermestre hide beetle (Dermestes maculatus)

0.5 g b.p./m<sup>3</sup> (12 mg a.s./m<sup>3</sup>)

- German cockroach (Blattella germanica)
- Oriental cockroach (Blatta orientalis)
- lesser mealworm (Alphitobius diaperinus)

**Application rate(s) and frequencies**

Application Rate: Curative treatment: 1 g b.p./m<sup>3</sup> (24 mg a.s./m<sup>3</sup>) poultry red mites; dermestre hide beetle; 0.5 g b.p./m<sup>3</sup> (12 mg a.s./m<sup>3</sup>): German cockroach, Oriental cockroach, lesser mealworm;  
Dilution (%): 0  
Number and timing of application:  
**1 application per year:**

- poultry red mites (Dermanyssus gallinae) (contact time 4h)

**7 applications/year with a 6-7 weeks interval between the treatments:**

- dermestre hide beetle (Dermestes maculatus), (contact time 4h)
- German cockroach (Blattella germanica), (contact time 1h)
- Oriental cockroach (Blatta orientalis), (contact time 4h),
- lesser mealworm (Alphitobius diaperinus), (contact time 4h)

**Category(ies) of users**

Professional

**Pack sizes and packaging material**

Packaging material: Can/tin made of iron, coated with an internal varnish layer, consisting of an epoxy-phenolic resin; with an easy open cap with seal crimping.

Packaging sizes: 20 g, 50 g, 100 g, 250 g, 500 g, 1000 g;

#### 4.2.1 Use-specific instructions for use

- The product is suitable for curative treatment.
- Use the product at the end of a production cycle after animals left the stable. Leave manure and litter on the floor and start the aerosol treatment. Remove contaminated manure and litter after treatment when access to the stable is allowed. Then distribute fresh litter (cf. to general use instructions).
- Alternatively, at the end of a production cycle after animals left the stable, remove manure and litter before the start of the aerosol treatment. Access the stable when allowed (cf. to general use instructions), remove any dead insects from the floor and distribute fresh litter on the treated floor.
- If the room to be treated is in an EXAT-area (explosive atmosphere-area), evaluate the room's EXAT character and if necessary, temporarily suspend the EXAT character of the room by appropriate measure(s) during treatment.
- Keep any readily inflammable or combustible material (e.g. straw or other) outside a distance of 1.50 m from the can.
- N-6, modified: Do not use in animal housings (breeding premises) where exposure to a STP or direct emission to surface water cannot be prevented.
- N-88, modified: Do not use the b.p. where effluent/waste liquid from animal housing (breeding premises) and/or manure storage areas can be discharged to municipal sewage treatment plant or surface water.
- After treatment, provide adequate ventilation to renew the air for a minimum safety time of 4 hours. If you enter the room in order to switch on industrial ventilation, use the prescribed respiratory protective equipment (RPE). Alternatively, open windows and outside-doors for a safety time of 4 hours. In case ventilation is not carried out, do not re-enter the premises until a safety time of 60 hours has passed.
- N-37, modified: Do not discharge the biocidal product, nor its residual ashes into the sewage system or the environment.
- Use only for poultry (laying farms, chicken growing farms) or for fattening pigs and sows (breeding farms). Do not use for other livestock.

#### 4.2.2 Use-specific risk mitigation measures

- N-47: Assure animals are not present in areas during air space treatment by aerosol.
- N-45 (modified): Remove all feed and drinking water prior to treatment.
- N-122: Cover all surfaces and facilities likely to be in contact with feed and drinking water.
- For chicks breeding: For use in animal housings where chicks are housed on litter and chickpaper.
- For pig breeding: For use in animal housings where lying areas of suckling piglets are covered with mats, strew or any other suitable material.

#### 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

Please refer to section 5.3. General directions for use.

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

Please refer to section 5.4. General directions for use.

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

Please refer to section 5.5. General directions for use.

## **5. General directions for use**

### **5.1. Instructions for use**

- N-248: Always read the label or leaflet before use and follow all the instructions provided.
  - N-159, modified: It has to be assured that humans and animals are not staying in the areas to be treated while the air space treatment by aerosol takes place.
  - Inform the neighbourhood about the treatment, if smoke is expected to be visible from the outside.
  - If necessary, particularly in a sensitive industrial or urban area, inform the fire department about the date and time of the treatment.
  - Do not use in extremely dusty rooms (opaque dust cloud).
  - Do not use in small defined enclosures, such as e.g. wall voids, pipes, chimneys.
  - Close all windows, doors and other openings before starting the treatment.
  - Disconnect the smoke detectors and stop the ventilation during treatment.
  - Mark all accesses with a warning notice to inform treatment is in progress.
  - Uncompact the powder by reverting the can several times before opening.
  - Place the can on a heat- and fire-resistant surface on the floor (e.g. earthenware).
  - Distribute the required number of cans according to the room volume to be treated.
- Note: The application rates refer to the amount of biocidal product (respectively a.s.) BEFORE burning it.
- Remove any combustible material at least 1.5 m away from the can.
  - Remove the cover from the can and light the wick with a torch lighter.
  - Always start off with the can the furthest away from the exit.
  - Leave the area and close the door before the smoke spreads.
  - Comply with a treatment time from 1 to 4 hours depending the pest to be treated.
  - Do not enter the area while the treatment is on-going. In emergency cases, use respiratory protective equipment for accessing the area. Respect the recommended safety time before re-entry of the area (this applies to humans and animals).
  - Make sure that the used cans are cold before handling and disposing them of.
- N-280, modified: Adopt integrated pest management methods such as alternation between treatment strategies during the treatment regime (biological, chemical and cultural), taking into account local specificities (climatic conditions, target species, conditions of use, etc.).
  - Alternate products containing active substances with a different mode of action, (to remove resistant individuals from the population).
  - 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.
  - Do not 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.
- N-249: Inform the authorisation holder if the treatment is ineffective.
- N-278, modified: If the infestation persists, contact a professional pest control operator.

## 5.2. Risk mitigation measures

- Do not breathe fume.
- N-333: Contains deltamethrin, may be dangerous/toxic to pets (e.g. cats, bees, fish and other aquatic organisms).
- N-335: Keep cats away from treated surfaces. Due to their particular sensitivity to Deltamethrin, the product can cause severe adverse reactions in cats.
- If the room has to be entered to switch on the ventilation system after treatment: Use of respiratory protective equipment (RPE) providing a minimum protection factor of 10 is mandatory. RPE is required (RPE and filter type (code letter, colour) to be specified by the authorisation holder within the product information).
- Product must be transported under temperature controlled conditions. Take UN No. 3236 into account.

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

**Particulars of likely direct or indirect effects:**

N-318: Pyrethroids (deltamethrin) may cause paresthesia (burning and prickling of the skin without irritation). If symptoms persist: Get medical advise.

**Symptoms and acute health effects:**

Fumes may cause irritations. Deltamethrin may have effects on the nervous system resulting in facial sensation such as redness, itching, burning or paresthesia. These sensations are reversible and disappear as soon as exposure stops.

Massive and repeated exposure by inhalation may lead to emphysema.

**Immediate medical attention required:**

Symptomatic treatment.

The administration of atropine or of adrenaline derivatives is not indicated with deltamethrin. In case of contact with skin or eyes, avoid direct sunlight. Antidotes: Not available

First aid instructions:

POWDER:

If on skin:

Wash skin with water. If symptoms occur call a POISON CENTRE or a doctor.

If in eyes:

If symptoms occur rinse with water. Remove contact lenses, if present and easy to do. Call a POISON CENTRE or a doctor.

If swallowed:

If symptoms occur call a POISON CENTRE or a doctor.

FUMES:

If inhaled:

Wear Protective Equipment and move the person away from the fumes and provide fresh air. Control of breathing. If symptoms occur call a POISON CENTER or a doctor.

**Immediate treatment:**

If a person is unconscious, seek the help of a first aid responder for placing the person into the recovery position and monitoring their breathing.

In case of burning by contact with a dose not completely cooled:

In case of a superficial burn (redness), cool the wound under indirect running water for 15 minutes. In case of serious burns (blistering, peeling skin, large affected areas), seek medical advice.

**Personal precaution, protective equipment and emergency procedures in case of accidental release of powder:**

- Avoid/remove all ignition sources and hot points.
- Aerate or ventilate to prevent the formation of a dust cloud.
- Use gloves and a dust mask or half mask (nose / mouth) with a type P (dust) filter, protective glasses and protective clothing.

**Emergency measures to protect the environment:**

- Do not allow the product to discharge into the soil, watercourses, sinks or drains.
- If the product contaminates lakes, rivers, sewers or soil, inform the appropriate authorities in accordance with local regulations.
- Collect the product by sucking up and eliminate it in compliance with the local regulations in force.

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

- Dispose of contents/container to a special waste collection point in accordance with local/national/international requirements.
- Product residues, residual ashes and used cans must be collected and disposed of in accordance with the national waste disposal legislation and any regional and/or local authority requirements.

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

**Storage instructions:**

- Store in a temperate and ventilated room equipped with collecting tank of fire water.
- Storage temperature: Do not store above 30°C1. Product must be stored under temperature controlled conditions. Emergency temperature = 45°C
- Store away from ignition sources.
- Store in a cool, dry and frost-protected place.
- Store away from direct sunlight.
- N-301: Do not store near food, drink and feed.
- Keep away from combustible materials.
- Store in the origin container.

Shelf life: 2 years

## 6. Other information

NOTE [  
**not**  
to be contained on the label]:

Note regarding the curative treatment: No residual efficacy has been demonstrated for each use.