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***ANNEX***

**SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT**

**BOMBEX® PEBBYS® CS**

**Product type(s)**

PT18: Insecticides, acaricides and products to control other arthropods

**Authorisation number: 3257-1**

**R4BP asset number: BG-0032685-0000**

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## 1. ADMINISTRATIVE INFORMATION

### 1.1. Trade name(s) of the product

Trade name(s)	BOMBEX® PEBBYS® CS
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### 1.2. Authorisation holder

Name and address of the authorisation holder	Name	Jesmond Holding AG
	Address	Baarerstrasse 8 6301 Zug Switzerland
Authorisation number		3257-1
<i>R4BP asset number</i>		BG-0032685-0000
Date of the authorisation		29/11/2021
Expiry date of the authorisation		06/08/2031

### 1.3. Manufacturer(s) of the product

Name of manufacturer	GAT Microencapsulation GmbH
Address of manufacturer	Gewerbezone 1 A-2490 Ebenfurth Austria
Location of manufacturing sites	Gewerbezone 1 A-2490 Ebenfurth Austria

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

Active substance	Permethrin
Name of manufacturer	Tagros Chemicals India Ltd.
Address of manufacturer	A-4/1&2, Sipcot Industrial Complex, Pachayankuppam, Cuddalore - 607 005, Tamilnadu, India 607 005 Cuddalore India
Location of manufacturing sites	Tagros Chemicals India Ltd., A-4/1&2, Sipcot Industrial Complex, Pachayankuppam, Cuddalore - 607 005, Tamilnadu, India 607 005 Cuddalore India

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## 2. PRODUCT COMPOSITION AND FORMULATION

### 2.1. Qualitative and quantitative information on the composition of the product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Permethrin		active substance	52645-53-1	258-067-9	24

### 2.2. Type(s) of formulation

CS Capsule suspension

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### 3. HAZARD AND PRECAUTIONARY STATEMENTS

Hazard statements	H410: Very toxic to aquatic life with long lasting effects.  H317: May cause an allergic skin reaction.
Precautionary statements	P280: Wear protective gloves.  P302+P352: IF ON SKIN: Wash with plenty of water/ ...  P273: Avoid release to the environment.  P501: Dispose of contents to in accordance with local/ regional/ national/ international regulations.  P391: Collect spillage.  P363: Wash contaminated clothing before reuse.

## 4. AUTHORISED USE(S)

### 4.1. Use description

**Table 1. RURAL HYGIENE, INDOORS**

Product type	PT18: Insecticides, acaricides and products to control other arthropods
Where relevant, an exact description of the authorised use	Bombex ® Pebbys CS is applied after dilution in water indoors as a spray application in animal housings. Bombex® Pebbys CS contains 24.0% w/w of the active substance permethrin.
Target organism(s) (including development stage)	<p>Scientific name: <i>Dermanyssus gallinae</i> Common name: chicken mite Development stage: all life stages</p> <p>Scientific name: <i>Alphitobius diaperinus</i> Common name: litter beetle Development stage: all life stages</p> <p>Scientific name: <i>Lasius niger</i> Common name: garden ant Development stage: all life stages</p> <p>Scientific name: <i>Blatta orientalis</i> Common name: Oriental cockroach Development stage: all life stages</p> <p>Scientific name: <i>Blatella germanica</i> Common name: German cockroach Development stage: all life stages</p> <p>Scientific name: <i>Forficula auricularia</i> Common name: earwigs Development stage: adults</p> <p>Scientific name: <i>Ctenocephalides felis</i> Common name: cat flea Development stage: adults and larvae</p> <p>Scientific name: <i>Dermestes maculatus</i> Common name: hide beetle Development stage: adults</p> <p>Scientific name: <i>Lepisma saccharina</i> Common name: silverfishes Development stage: adults</p> <p>Scientific name: <i>Ixodes</i> spp. Common name: ticks Development stage: adults and nymphs</p> <p>Scientific name: <i>Sitophilus granaries</i> Common name: grain weevil Development stage: adults</p> <p>Scientific name: <i>Oryzaephilus surinamensis</i> Common name: saw-toothed beetle</p>

	<p>Development stage: adults</p> <p>Scientific name: <i>Tribolium confusum</i> Common name: flour beetle Development stage: adults</p> <p>Scientific name: <i>Musca domestica</i> Common name: house fly Development stage: adults</p> <p>Scientific name: Culicidae: Culicidae: Common name: mosquitoes Development stage: adults</p> <p>Scientific name: <i>Tineola bisselliella</i> Common name: cloth moths Development stage: adults and larvae</p> <p>Scientific name: <i>Vespa velutina</i> Common name: Asian hornet Development stage: all life stages</p> <p>Scientific name: <i>Vespula vulgaris</i> Common name: common wasp Development stage: all life stages</p> <p>Scientific name: <i>Stomoxys calcitrans</i> Common name: stable flies Development stage: adults</p> <p>Scientific name: <i>Haematobia irritans</i> Common name: horn flies Development stage: adults</p> <p>Scientific name: <i>Chrysomya megacephala</i> Common name: blow flies Development stage: adults</p> <p>Scientific name: <i>Cimex lectularius</i> Common name: bed bug Development stage: all life stages</p> <p>Scientific name: <i>Lasius neglectus</i> Common name: ants Development stage: adults</p> <p>Scientific name: <i>Anthrenus verbasci</i> Common name: Carpet beetle Development stage: adults and larvae</p> <p>Scientific name: <i>Rhizopertha dominica</i> Common name: lesser grain borer Development stage: adults</p>
Field(s) of use	<p>indoor use</p> <p>Indoor (agricultural premises, stables, sheds, pigs, cattle, chickens and horse stables, poultry farming, livestock's, farm outbuildings and dairies)</p>
Application method(s)	<p>Method: spraying</p>

	<p>Detailed description: After diluting, apply through a suitable hand-held mechanical or electric sprayer producing a coarse spray. Spray all infested areas giving special attention to cracks, crevices, dead spaces, and harbourages. Product may be applied to hard porous, soft porous and non-porous surfaces. Method: fogging</p> <p>Detailed description: Apply by thermal fogging equipment, cold aerosol generating ultra low volume (ULV) equipment, fan assisted rotary atomiser and hand-held or knapsack sprayers which are designed for space spraying. Spray into the air around the areas to be treated paying particular attention to sites where insects rest and breed or harbourage.</p>
Application rate(s) and frequency	<p>Application rate: 25 mL product is diluted in 5 L water (1:200), then 50 mL are applied per 1 m<sup>2</sup></p> <p>Dilution (%): 0.05</p> <p>Number and timing of application: Repeat application after 3 months, or when necessary.</p> <p>Application rate: Indoor –space treatment – ULV application and cold and hot fogging: a) cold fogging and ULV: 100 mL product is diluted in 5 L water (1:50), then the diluted product is applied to 500 m<sup>3</sup> b) hot fogging: 100 mL product are applied to 500 m<sup>3</sup></p> <p>Dilution (%): 0.02</p> <p>Number and timing of application: No Dilution in hot fogging. Repeat application after 3 months, or when necessary.</p>
Category(ies) of users	professional
Pack sizes and packaging material	<p>Plastic: HDPE, Bottle, 50 - 1000 mL</p> <p>F-HPDE, Bottle, 50 - 1000 mL</p> <p>Plastic: PET, Bottle, 50 - 1000 mL</p> <p>Plastic: HDPE, Jerry can, 5 L - 20 L</p> <p>F-HPDE, Jerry can, 5 L - 20 L</p> <p>Plastic: PET, Jerry can, 5 L</p> <p>Plastic: HDPE, ICB, 1050L</p> <p>heat sealed with screw cap (50 mL - 20 L)</p> <p>screw cap (1050 L)</p>

#### 4.1.1. Use-specific instructions

##### Spot-, Surface- Crack and Crevice application:

Spray all infested areas giving special attention to cracks, crevices, dead spaces, and harbourages. Product may be applied to hard porous, soft porous and non-porous surfaces.

Repeat treatment properly in accordance with the respective infestation situation and consider the lifecycles of target insects.

Close windows and doors prior to the application and keep them closed for at least 30 minutes after the treatment.

The spray mist must be dried completely before entering the treated area. Ventilate the treated area for at least 1

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hour. Repeat the application if necessary. Do not treat materials / surfaces which may get in direct contact with persons.

BOMBEX® PEBBYS CS can be used in presence of animals as surface spray. Do not apply directly to animals. No need to discard eggs. However, according to good agricultural practice it is recommended to remove the eggs before spraying.

Note: Do not apply in animal housings with drainage to sewage treatment plant. In the use is restricted to animal housings without exposure to a sewage treatment plant or direct emissions to surface water.

Indoor- space Treatment - ULV application and cold and hot fogging:

Close windows and doors before application and keep them closed for 1 hour. Switch off all appliances and air-condition. Keep away all animals and persons during application. Apply by equipment capable of producing and distributing droplets of a diameter below 50 microns. Such suitable equipment may be thermal fogging equipment, cold aerosol generating ultra low volume (ULV) equipment, fan assisted rotary atomiser and hand-held or knapsack sprayers which are designed for space spraying may be used. Spray into the air around the areas to be treated paying particular attention to sites where insects rest and breed or harbourage. Start the application at the time when the target insect is most active. After the application ventilate the treated area for at least 4 hours or use an air exhauster (1200 m<sup>3</sup>/h rate) to ventilate rooms. Before entering the treated area the spray mist must be dried completely. Repeat application after 3 months, or when necessary. Do not treat materials / surfaces which may get in direct contact with persons. The indoor space treatment is restricted to dry cleaned areas.

#### **4.1.2. Use-specific risk mitigation measures**

#### **4.1.3. Use-specific risk mitigation measures**

##### Surface Spraying

Workers need to wear gloves and impermeable coveralls. Coveralls must be disposed of as waste.

Due to working hygiene reasons, respiratory protection is recommended during spraying

Fogging:

Mixing and loading: Gloves need to be worn.

Wear suitable personal protective equipment during application, full-face protection self-ventilated breathing mask, protective clothing, gloves and boots.

Respiratory protection is recommended at re-entry after fogging.

#### **4.1.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

If swallowed, seek medical advice immediately and show this container or label.

Wash any contamination from skin and eyes immediately

Note to physician: This product contains a pyrethroid insecticide. Treat symptomatically. For comprehensive medical advice on the treatment of poisoning, contact the nearest Poisons Information Centre. Never give anything by mouth to an unconscious person.

Do not induce vomiting.

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

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Do not empty into drains.



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

Store the product tightly closed in original container, protected from sun and moisture, store in a wellventilated locked room. Store at room temperature (6°C to 30°C).

Keep in a safe place.

Keep out of the reach of children.

Keep only in the original container.

Keep Container tightly closed.

Shelf life: 2 years (can be extended for 1 year after analysis)

#### 4.2. Use description

**Table 2. URBAN PEST CONTROL, INDOORS**

Product type	PT18: Insecticides, acaricides and products to control other arthropods
Where relevant, an exact description of the authorised use	Bombex® Pebbys CS is applied indoors after dilution in water as a spray application in domestic premises, industry and public buildings, including hospitals. Application: Spot-, Surface- Crack and Crevice application - through a suitable hand-held mechanical or electric sprayer producing a coarse spray. Spray all infested areas giving special attention to cracks, crevices, dead spaces, and harbourages. Product may be applied to hard porous, soft porous and non-porous surfaces.
Target organism(s) (including development stage)	Scientific name: for all target organisms please refer to 4.1 Common name: for all target organisms please refer to 4.1 Development stage: for all target organisms please refer to 4.1
Field(s) of use	indoor use  Indoors (domestic premises, public buildings, and hospitals (excluding occupied wards), municipal buildings, in barracks, hotels, shops, restaurants (including kitchens), warehouses, raw material stores (excluding grain stores), utilities stores, and industry including food processing plants.
Application method(s)	Method: spraying  Detailed description: Spot-, Surface- Crack and Crevice application, apply through a suitablehand-held mechanical or electric sprayer producing a coarse spray. Spray all infested areas giving special attention to cracks, crevices, dead spaces, andharbourages. Product may be applied to hard porous, soft porous and non-porous surfaces.
Application rate(s) and frequency	Application rate: 25 mL product is diluted in 5 L water (1:200), then 50 mL are applied per 1 m <sup>2</sup>  Dilution (%): 0.05  Number and timing of application: Repeat application after 3 months, or when necessary.

Category(ies) of users	professional
Pack sizes and packaging material	Plastic: HDPE, Bottle, 50 - 1000 mL for other packaging Information please refer to 4.1

#### 4.2.1. Use-specific instructions

##### Spot-, Surface- Crack and Crevice application:

Close windows and doors prior to the application and keep them closed for at least 30 minutes after the treatment. The spray mist must be dried completely before entering the treated area. Ventilate the treated area for at least 1 hour. Repeat the application if necessary. Do not treat materials / surfaces which may get in direct contact with persons.

Spray all infested areas giving special attention to cracks, crevices, dead spaces, and harbourages. Product may be applied to hard porous, soft porous and non-porous surfaces.

Spray around service ducts, behind and under fittings and equipment, runway and scavenging areas paying particular attention to cracks and crevices and areas behind or under machinery, kitchen equipment or pipework, which are usual cockroach harbourages.

Repeat treatment properly in accordance with the respective infestation situation and consider the lifecycles of target insects.

##### Bed bunks:

It is suggested to thoroughly vacuum clean infested areas prior to treatment. Vacuum cleaners with HEPA filter ensures that all excrements and allergens associated with bed bugs will be removed. Upon completion the vacuum cleaner bag must be discarded in an outdoor trash container. Remove linens prior to the application and wash at high temperature before reuse. Spray bed frames and mattresses and cracks and crevices in adjacent wall and floor areas. Do not enter the treated area until the spray mist has completely dried. Do not spray bed linen or other materials, which may get into direct contact with occupants of the bed.

In domestic premises and areas where persons can come in contact with the spray, apply the product as band/spot or crack and crevice treatment only as well in continuously occupied areas such as hospital wards, residential/nursing homes and prisons. Use Usedry and damp cloths for dry and wet cleaning following treatment and should be disposed of as waste.

#### 4.2.2. Use-specific risk mitigation measures

#### 4.2.3. Use-specific risk mitigation measures

##### Surface Spraying

Workers need to wear gloves and impermeable coveralls. Coveralls must be disposed of as waste.

Due to working hygiene reasons, respiratory protection is recommended during spraying.

Mixing and loading: Gloves need to be worn.

Wear suitable personal protective equipment during application, full-face protection self-ventilated breathing mask, protective clothing, gloves and boots.

#### 4.2.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

If swallowed, seek medical advice immediately and show this container or label.

Wash any contamination from skin and eyes immediately.

Note to physician: This product contains a pyrethroid insecticide. Treat symptomatically. For comprehensive medical advice on the treatment of poisoning, contact the nearest Poisons Information Centre. Never give anything by mouth to an unconscious person. Do not induce vomiting.

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

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Do not empty into Drains.

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

Store the product tightly closed in original container, protected from sun and moisture, store in a well ventilated locked room. Store at room temperature (6°C to 30°C).

Keep in a safe place.

Keep out of the reach of children.

Keep only in the original container.

Keep container tightly closed.

Shelf life: 2 years (can be extended for 1 year after analysis)

### 4.3. Use description

**Table 3. OUTDOORS, PERIMETER AND ANT TREATMENT**

Product type	PT18: Insecticides, acaricides and products to control other arthropods
Where relevant, an exact description of the authorised use	Bombex® Pebbys CS is a concentrate containing 24.0% of permethrin and is used as a barrier application/ perimeter application.
Target organism(s) (including development stage)	Scientific name: for all target organisms please refer to 4.1 Common name: for all target organisms please refer to 4.1 Development stage: for all target organisms please refer to 4.1
Field(s) of use	outdoor use  outdoor, around buildings
Application method(s)	Method: spraying  Detailed description: After diluting with water: Apply through a suitable hand-held mechanical or electric sprayer producing a coarse spray. Spray all infested areas giving special attention to cracks, crevices, dead spaces, and harbourages. Product may be applied to hard porous, soft porous and non-porous surfaces.
Application rate(s) and frequency	Application rate: 25 mL product is diluted in 5 L water (1:200), then 50 mL are applied per 1 m <sup>2</sup>  Dilution (%): 0.05  Number and timing of application: Repeat application after 3 months, or when necessary.
Category(ies) of users	professional
Pack sizes and packaging material	Plastic: HDPE, Bottle, 50 - 1000 mL

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For other packaging Information please refer to 4.1
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#### **4.3.1. Use-specific instructions**

Treat only areas/surfaces which are protected from rain; do not allow the product get washed to the environment or drains. Do not apply in or around drains, do not contaminate ground, water bodies or watercourses. Do not apply the product in heavy wind or rain. Do not spray until runoff. Do not apply near bare soil.

Create a continuous band of 20 to 30 cm without skips to form an effective perimeter barrier. Spray around doors windows and openings, taking particular attention to migration paths and areas where insects usually hide and harbourage.

#### **4.3.2. Use-specific risk mitigation measures**

#### **4.3.3. Use-specific risk mitigation measures**

Use in areas/surfaces which are protected from rain; do not allow the product get washed to the environment or drains.

##### Surface Spraying:

Workers need to wear gloves and impermeable coveralls. Coveralls must be disposed of as waste.

Due to working hygiene reasons, respiratory protection is recommended during spraying.

Mixing and loading: Gloves need to be worn.

Wear suitable personal protective Equipment during application, full-face protection self-ventilated breathing mask, protective clothing, gloves and boots.

#### **4.3.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

If swallowed, seek medical advice immediately and show this container or label.

Wash any contamination from skin and eyes immediately.

Note to physician: This product contains a pyrethroid insecticide. Treat symptomatically. For comprehensive medical advice on the treatment of poisoning, contact the nearest Poisons Information Centre. Never give anything by mouth to an unconscious person. Do not induce vomiting.

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

Dispose of contents/ container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Do not empty into Drains.

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

Store the product tightly closed in original container, protected from sun and moisture, store in a well ventilated locked room. Store at room temperature (6°C to 30°C).

Keep in a safe place.

Keep out of the reach of children.

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Keep only in the original container.  
Keep container tightly closed.  
Shelf life: 2 years (can be extended for 1 year after analysis)

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## **5. GENERAL DIRECTIONS FOR USE<sup>1</sup>**

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

please refer to 4.1.1, 4.2.1, 4.3.1

### **5.2. Risk mitigation measures**

please refer to 4.1.2, 4.2.2, 4.3.2

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

please refer to 4.1.3, 4.2.3, 4.3.3

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

please refer to 4.1.4, 4.2.4, 4.3.4

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

please refer to 4.1.5, 4.2.5, 4.3.5

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<sup>1</sup>Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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## **6. OTHER INFORMATION**