

Summary of product characteristics for a biocidal product

Product name: Combirepel™ CR8181

Product type(s): PT19 - Repellents and attractants (Pest control)

Authorisation number: (10-14 17.5)BSV-19475(A-08PSA1203394-19-295)

R4BP 3 asset reference number: EU-0020775-0000

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Administrative information

1.1. Trade names of the product

Combirepel™

1.2. Authorisation holder

Name and address of the authorisation holder	Name	E.P.R.D
	Address	227 Rue Waassertrap L-4408 Belvaux Luxembourg
Authorisation number	(10-14 17.5)BSV-19475(A-08PSA1203394-19-295)	
R4BP 3 asset reference number	EU-0020775-0000	
Date of the authorisation	04/10/2019	
Expiry date of the authorisation	04/10/2029	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	C Tech corporation
Address of the manufacturer	5-b, Himgiri, 1277 Hatiskar Marg, Prabhadevi 400025 Mumbai India
Location of manufacturing sites	Unit No.162, Plot No.259, Surat SEZ, Sachin 394230 Gujarat India

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

Active substance	1429 - Lavender oil (Natural oil)
Name of the manufacturer	Ishanee Chemical Private Limited
Address of the manufacturer	No.1 New Anand Bhawan Shivaji Park Road No.4 400028 Dadar India
Location of manufacturing sites	No.1 New Anand Bhawan Shivaji Park Road No.4 400028 Dadar India

Active substance	1430 - Peppermint oil (Natural oil)
Name of the manufacturer	Ishanee Chemical Private Limited
Address of the manufacturer	No.1 New Anand Bhawan Shivaji Park Road No.4 400028 Dadar India
Location of manufacturing sites	No.1 New Anand Bhawan Shivaji Park Road No.4 400028 Dadar India

Active substance	1436 - Citronellal
Name of the manufacturer	Ishanee Chemical Private Limited
Address of the manufacturer	No.1 New Anand Bhawan Shivaji Park Road No.4 400028 Dadar India
Location of manufacturing sites	No.1 New Anand Bhawan Shivaji Park Road No.4 400028 Dadar 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 (%)
Lavender oil (Natural oil)		Active Substance	8000-28-0		5
Peppermint oil (Natural oil)		Active Substance	8006-90-4		4
Citronellal		Active Substance		203-376-6	4

2.2. Type of formulation

Other

3. Hazard and precautionary statements

Hazard statements

Precautionary statements

4. Authorised use(s)

4.1 Use description

Use 1 - Repellent masterbatch against rats and birds

Product type

PT19 - Repellents and attractants (Pest control)

Where relevant, an exact description of the authorised use

Masterbatch used during the manufacturing process of agricultural films (bale wrap film, silage film and silage bag) to convey a bird- and rat-repellent quality to the film.

Target organism(s) (including development stage)

Scientific name: Aves
Common name: Birds
Development stage: all stages

Scientific name: Rattus norvegicus
Common name: Brown rat
Development stage: all

Scientific name: Rattus rattus
Common name: House rat
Development stage: all

Field(s) of use

Indoor

Masterbatch with repellent properties for incorporation in films.
The goal is to protect the final treated articles against biting and pecking damage from birds and rats by repelling them. The ultimate goal is to protect the silage contained in the film (bale wrap film, silage film and silage bag).

Application method(s)

mixing with raw materials during extrusion process -
The masterbatch pellets are incorporated into the plastic material through an extrusion dosing device to obtain a fine and homogeneous dispersion in the final macromolecular matrix. The temperature during the extrusion process goes from around 160°C up to 250°C for PE compounds. The heating lasts for about 3 to 5 minutes. The limited temperature range combined with the very short exposure time ensure incorporation of the active substances without degradation.
The incorporation of the pellets into the polymer material is an industrial process during which the pellets are mechanically conveyed to the enclosed and hermetic space of the extruder barrel. The bags are opened with a pair of scissors or a knife and a suction

	<p>tube is inserted into the bag (with no contact of the pellets by the operator). This tube goes straight to the hopper and there is a gauge to stop the flow when the hopper is sufficiently filled. In some production plants, operators just lift the open bag above the hopper and discharge the content in the hopper, without touching the pellets. Therefore no direct contact with the pellets is required and the exposure can be considered negligible.</p>
Application rate(s) and frequencies	<p>3% - - Masterbatches are added continuously during the film's manufacturing process</p>
Category(ies) of users	<p>Industrial</p>
Pack sizes and packaging material	<p>25 kg LDPE bags</p>

4.1.1 Use-specific instructions for use

Please refer to general use instructions

4.1.2 Use-specific risk mitigation measures

not applicable

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

not applicable

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

not applicable

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

not applicable

5. General directions for use

5.1. Instructions for use

Add the plastics pellets to the plastic material through an extrusion dosing device to obtain a fine and homogeneous dispersion in the final macromolecular matrix. Dosing of the master batch in the final compound is in 3%.

The form itself of the pellets is designed to enable their homogeneous dispersion in the bulk of raw material pellets to which they will be added. The masterbatch products are based on LDPE polymers specifically intended for use in polyolefins. The generation of waste should be avoided or minimized where possible.

5.2. Risk mitigation measures

No specific hazards identified; the active substances are not readily available as they are bound within the polymer matrix. No specific measures required

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

No specific hazards identified; General procedures apply.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur

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

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

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

Store in accordance with local regulations. Store in original bag protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep bag tightly closed and sealed until ready for use. Bags that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled bags. Use appropriate containment to avoid environmental contamination. Shelf life: 2 years.

6. Other information