

Summary of product characteristics for a biocidal product

Product name: 9028 PE ANTIRAT MASTERBATCH

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

Authorisation number: NL-0015777-0000

R4BP 3 asset reference number: EU-0015777-0002

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Administrative information

1.1. Trade names of the product

9028 PE ANTIRAT MASTERBATCH

1.2. Authorisation holder

Name and address of the authorisation holder

Name	Avient Luxembourg S.a.r.l.
Address	Route de Bastogne, 19 L-9638 Pommerloch Luxembourg
Authorisation number	NL-0015777-0000 1-1

R4BP 3 asset reference number

EU-0015777-0002

Date of the authorisation

01/06/2018

Expiry date of the authorisation

30/05/2028

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 Special Economic Zone Surat SEZ, Sachin, 394230 Gujarat India
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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

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		3,6
Peppermint oil (Natural oil)		Active Substance	8006-90-4		4,5

2.2. Type of formulation

XX

3. Hazard and precautionary statements

Hazard statements	
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Precautionary statements

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4. Authorised use(s)

4.1 Use description

Use 1 - masterbatches for repelling rats

Product type

PT19 - Repellents and attractants (Pest control)

Where relevant, an exact description of the authorised use

Repellent

Target organism(s) (including development stage)

Scientific name: Rattus sp
Common name: Rats
Development stage: Juveniles

Scientific name: Rattus sp
Common name: Rats
Development stage: Adults

Field(s) of use

Indoor

Master batches with repellent properties for incorporation in plastic (e.g. cables and wire coatings), with the aim to protect the final treated articles against rats by repelling them. Protection should be understood as a protection from damage which could potentially affect the operating ability of the cable.

Application method(s)

Method: Closed system
Detailed description:

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 150°C to 200°C for flexible PVC compounds and from around 160°C up to 250°C for PE compounds. The heating lasts for about 3 to 5 minutes. As soon as the molten plastic is applied in the crosshead part of the extruder onto the cable core, the extruded plastic and cable move into a cooling through, and are immediately cooled down in water. 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; therefore no direct contact with the pellets is required and the exposure can be considered negligible.

Application rate(s) and frequencies

Application Rate: The concentration of the master batch in the final compound is in the range 3 – 4 %.
Dilution (%): -
Number and timing of application:
Single application

Category(ies) of users

Industrial

Polyethylene sealed bags (LDPE) - 25 kg

Pack sizes and packaging material

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4.1.1 Use-specific instructions for use

See general instructions for use

4.1.2 Use-specific risk mitigation measures

See general instructions for use

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

See general instructions for use

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

See general instructions for use

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

See general instructions for use

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. Typical dosing of the master batch in the final compound is in 3 – 4 % range.
The form itself of the pellets is designed to enable their homogeneous dispersion in the plastics pellets in which they will be added.
The masterbatch products are currently only based on EVA or LDPE polymers. EVA based masterbatches can be used in most matrices, LDPE specifically in polyolefins. The masterbatches based on ethylene vinyl acetate (EVA) or polyethylene (LDPE) as the plastic matrix of the masterbatch can therefore be used in all commonly used cable cover materials.
The generation of waste should be avoided or minimized wherever possible.

5.2. Risk mitigation measures

No specif hazards identified; Chemicals are not readily available as they are bound within the polymer matrix. x
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 or hair 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