

Summary of product characteristics for a biocidal product family

Family name: Repellent Masterbatches Antitermite/Multirepel BPF

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

Authorisation number: NL-0015409-0000

R4BP 3 asset reference number: EU-0015409-0000

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Part I.- First information level

1. Administrative information

1.1. Family name

Repellent Masterbatches Antitermite/Multirepel BPF

1.2. Product type(s)

PT19 - Repellents and attractants (Pest control)

1.3. Authorisation holder

Name and address of the authorisation holder

Name	PolyOne Belgium S.A.
Address	Rue Melville Wilson, 1 5330 Assesse Belgium

Authorisation number

NL-0015409-0000

R4BP 3 asset reference number

EU-0015409-0000

Date of the authorisation

01/06/2018

Expiry date of the authorisation

30/05/2028

1.4. Manufacturer(s) of the biocidal products

Name of the manufacturer

C Tech Corporation

Address of the manufacturer

5-b, Himgiri, 1277 Hatiskar Marg, Prahabdevi 400025 Mumbai India

Location of manufacturing sites

Unit No.162, Plot No.259, Surat Special Economic Zone, Surat SEZ, Sachin, 394230 Gujarat India

1.5. 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	See above See above See above 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	See above See above See above 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	See above See above See above India

2. Product family composition and formulation

2.1. Qualitative and quantitative information on the composition of the family

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Lavender oil (Natural oil)		Active Substance	8000-28-0		3.6 - 5.4
Peppermint oil (Natural oil)		Active Substance	8006-90-4		1.8 - 5.4
Citronellal		Active Substance		203-376-6	4.5 - 5.4

2.2. Type(s) of formulation

XX

Part II.- Second information level - meta SPC(s)

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC 1

1.2. Suffix to the authorisation number

1-1

1.3 Product type(s)

PT19 - Repellents and attractants (Pest control)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Lavender oil (Natural oil)		Active Substance	8000-28-0		5.4 - 5.4
Peppermint oil (Natural oil)		Active Substance	8006-90-4		5.4 - 5.4
Citronellal		Active Substance		203-376-6	5.4 - 5.4

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

XX

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Precautionary statements

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - masterbatches for repelling rats/termites (Multirepel)

Product type

PT19 - Repellents and attractants (Pest control)

Where relevant, an exact description of the authorised use

Repellents against rats and termites

Target organism(s) (including development stage)

Rattus sp.-Rats-Adults and juveniles
Reticulitermes sp.-Termites-
Coptotermes sp.-Termites-
Mastotermes sp.-Termites-
Odontotermes sp.-Termites-

Field(s) of use

Indoor

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

Application method(s)

Closed system -
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

The concentration of the master batch in the final compound is in the range 2 – 4 %. - -
One application only

Category(ies) of users

Industrial

Pack sizes and packaging material

Polyethylene bags (LDPE) - 25 kgs

4.1.1 Use-specific instructions for use

Please refer to general directions of use

4.1.2 Use-specific risk mitigation measures

Please refer to general directions of 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

Please refer to general directions of use

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

Please refer to general directions of use

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 general directions of use

5. General directions for use of the meta SPC

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 2 – 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 or polyethylene 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 specific hazards identified; Chemicals 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

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7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

5842 MULTIREPEL EVA MASTERBATCH

Authorisation number

EU-0015409-0001 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Lavender oil (Natural oil)		Active Substance	8000-28-0		5.4
Peppermint oil (Natural oil)		Active Substance	8006-90-4		5.4
Citronellal		Active Substance		203-376-6	5.4

Trade name(s)

9518 PE MULTIREPEL MASTERBATCH

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0015409-0002 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Lavender oil (Natural oil)		Active Substance	8000-28-0		5.4
Peppermint oil (Natural oil)		Active Substance	8006-90-4		5.4
Citronellal		Active Substance		203-376-6	5.4

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC 2

1.2. Suffix to the authorisation number

1-2

1.3 Product type(s)

PT19 - Repellents and attractants (Pest control)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Lavender oil (Natural oil)		Active Substance	8000-28-0		3.6 - 3.6
Peppermint oil (Natural oil)		Active Substance	8006-90-4		1.8 - 1.8
Citronellal		Active Substance		203-376-6	4.5 - 4.5

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

XX

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Precautionary statements

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - masterbatches for repelling termites (Antitermite)

Product type

PT19 - Repellents and attractants (Pest control)

Where relevant, an exact description of the authorised use

Repellents against termites

Reticulitermes sp.-Termites-

Target organism(s) (including development stage)	Coptotermes sp.-Termites- Mastotermes sp.-Termites- Odontotermes sp.-Termites-
Field(s) of use	Indoor Master batches with repellent properties for incorporation in plastic cable and wire coatings, with the aim to protect the final treated articles against gnawing damage from termites by repelling them. Protect should be understood as a protection from gnawing damage which could potentially affect the operating ability of the cable.
Application method(s)	Closed system - 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	The concentration of the master batch in the final compound is in the range 3 – 4 %. - - One application only
Category(ies) of users	Industrial
Pack sizes and packaging material	Polyethylene bags (LDPE) - 25 kgs

4.1.1 Use-specific instructions for use

Please refer to general directions of use

4.1.2 Use-specific risk mitigation measures

Please refer to general directions of 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

Please refer to general directions of use

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

Please refer to general directions of use

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 general directions of use

5. General directions for use of the meta SPC

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 – 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 or polyethylene 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 specific hazards identified; Chemicals 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

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

107079 EVA ANTITERMITE MASTERBATCH

Authorisation number

EU-0015409-0003 1-2

(R4BP 3 asset reference number - National Authorisation)

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		1.8
Citronellal		Active Substance		203-376-6	4.5

Trade name(s)

143510 PE ANTITERMITE MASTERBATCH

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0015409-0004 1-2

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		1.8
Citronellal		Active Substance		203-376-6	4.5