Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products

PRODUCT ASSESSMENT REPORT OF A BIOCIDAL PRODUCT FAMILY FOR NATIONAL AUTHORISATION APPLICATIONS

(submitted by the evaluating Competent Authority)

Simplified evaluation procedure

[FAMILY WASP & FLY LURE]
(Concentrated, RTU and Soluble powder)

Product type(s) [TP19]

[D-fructose and Acetic acid]

Case Number in R4BP: [BC-GD066648-38]

Evaluating Competent Authority: [Belgium- eCA]

Date : 04/06/2024
(Version 3 updated)

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1 CONCLUSION

Overall conclusion on the biocidal product family regarding physical, chemical and technical properties:

According to the information provided in Art. 20.1b of EU 528/2012, no data concerning physical, chemical and technical properties is required for products meeting the conditions laid down in Art. 25 of the same regulation (simplified procedure). Nonetheless, some basic properties have been determined for all Meta SPCs. The results are deemed as acceptable.

When submitting the dossier, only D-Fructose was indicated as active substance. However, acid acetic was identified also as active substance. Due of the short time of the simplified procedure, only an accelerated storage with acid acetic and a long term at ambient temperature storages tests were available during the assessment of the family. The results of both studies were deemed as acceptable and sufficient to authorized a shelf-life of 2 years for all Meta SPCs provided that the applicant supplies the interm data (3 months, 6 months, 12 months and 24 months) for the long term storage at ambient temperature test with acid acetic (post-autorization phase).

Moreover, some restrictions should be added to the label ("Protect from frost " and "Store away from light")

Shelf-life : 2 years for all Meta SPCs
Post-authorization: Interim data (3, 6, 12 and 24 months) for the long term storage at ambient temperature with acid acetic.

Overall conclusion on the biocidal product family regarding physical hazards and respective characteristics:

According to the information provided in Art. 20.1b of EU 528/2012, no data concerning physical hazards is required for products meeting the conditions laid down in Art. 25 of the same regulation (simplified procedure).

Overall conclusion on the biocidal product family regarding methods of detection and identification:

Following SANCO/3030/99 rev.5, the method of analysis of fructose and acid acetic was validated for all Meta SPCs during this study by definition of the specificity, the linearity, the precision and the accuracy of the method.

Overall conclusion on the biocidal product family regarding efficacy against target organisms:

The biocidal product family "WASP AND FLY Lure" contains products based on D-fructose (CAS 57-48-7) and acetic acid (CAS 64-19-7) in order to attract wasps (*Vespa* and *Vespula* species), flies (*Musca domestica, Lucilia Caesar, Stomoxys calcitrans*,…) and fruitflies (*Drosophila* species). When used in combination with an suitable trap to catch flying insects, the target organisms are lured into the trap. Eventually they get will get

tired and drown in the liquid. The products are intended to be used outdoors in gardens, or indoors. The product can be used by professional and non-professional users (general public).

Products of Meta SPC 1 : concentrated liquid with 51.03% D-fructose, to be diluted 1:4 with water (for example 100 ml product + 300 ml water) to reach an in-use concentration of 12.75% D-fructose for use against flies and wasps. For use against fruit flies, the product is intended to be used undiluted. Products of Meta SPC 2 : ready to use liquid with 15.51% D-fructose for use against flies, wasps and fruit flies. Products of Meta SPC 3: Soluble powder with 97.2% D-fructose, 25 g to be diluted in 200 ml, to reach an in use concentration of 12.15% D-fructose for use against flies, wasps and fruit flies.

The products remain active up to 7 days.

Overall conclusion on the biocidal product family regarding human health:

According to the information provided in Art. 20.1b of EU 528/2012, no human health risk assessment is required for products meeting the conditions laid down in Art. 25 of the same regulation (simplified procedure).
In order to meet the conditions of Art. 25, this product must not contain any substance of concern (SoC) and its application must not require the use of protective personal equipment (PPE).
In this context, it must be noted that none of the substances included in this biocidal product would be considered a SoC in accordance with the guidance CA-Nov14-Doc.5.11, which defines the criteria for the identification of SoC. Additionally, no PPE is required for the use of these products because it is not classified according to Regulation 1272/2008.

Overall conclusion on the biocidal product family regarding animal health:

According to the information provided in Art. 20.1b of EU 528/2012, no animal health risk assessment is required for products meeting the conditions laid down in Art. 25 of the same regulation (simplified procedure).

Overall conclusion on the biocidal product family regarding the environment:

According to the information provided in Art. 20.1b of EU 528/2012, no environmental risk assessment is required for products meeting the conditions laid down in Art. 25 of the same regulation (simplified procedure).

None of the coformulants included in the biocidal products of the BPF is considered as a substance of concern for the environment.

Overall conclusion on the biocidal product family regarding ED properties:

None of the co-formulants in the biocidal product family is considered to have endocrine disrupting properties.

Application type	refMS/eCA	Case number in the refMS	Decision date	Assessment carried out (i.e. first authorisation / amendment / renewal)	Chapter / page
NA-APP	BE	BC-GD066648-38	23/06/2022	Initial assessment (Version 1)	
SN-NOT	BE	BC-BU081691-19	24/11/2022	Amendment according to discussions with FR, DE and SE (Version 2)	
SN-NOT	BE	BC-PR094551-12	17/04/2024	Amendment according to discussions with DE, CZ and SK (Version 3)	

2 ASSESSMENT REPORT

2.1 Summary of the product assessment

2.1.1 Administrative information

2.1.1.1 Identifier of the product family

Identifier	**Country (if relevant)**
FAMILY WASP & FLY LURE **Generic names for the BPF Product Members:** Meta spc 1_identification: Fructose 51% w/w SL Meta spc 2_identification: Fructose 15.5% w/w AL Meta spc 3_identification: Fructose 97.2% w/w SP Meta spc 1_trade names: Wasp Lure Attractif guêpes et mouches Attractif guêpes et mouches Conc Guêpe Clac Conc Muscattract Vespattract Fructolure Vesparex Wasp Attract Meta spc 2_trade names: Wasp Lure RTU Attractif guêpes et mouches RTU Guêpe Clac RTU Muscattract RTU Vespattract RTU Fructolure RTU Vesparex RTU Wasp Attract RTU Meta spc 3_trade names: Wasp Lure Powder Attractif guêpes et mouches Tab Guêpe Clac Tab Muscattract Tab Muscattract Dry Vespattract Tab Vespattract Dry Fructolure Tab Fructolure Dry Vesparex Dust Wasp Attract Dust	**Belgium - eCA**
For the other **individual BPF Product Members' trade names** in rest of EU countries, please check to the Excel list attached in the Section 13 of the IUCLID dossier	Czech Republic
	Switzerland
	Sweden
	Romania

Identifier	Country (if relevant)
	Portugal
	Poland
	The Netherlands
	Luxembourg
	Lithuania
	Latvia
	Italy
	Greece
	France
	Spain
	Austria
	Germany

2.1.1.2 Authorisation holder

Name and address of the authorisation holder	**Name**	ARMOSA TECH SA
	Address	Rue des Tuiliers, 1, 4480 Engis, Belgium
Authorisation number	EU-0027083-0000	
Date of the authorisation	21/04/2022	
Expiry date of the authorisation	30/04/2032	

2.1.1.3 Manufacturers of the products of the family

Name of manufacturer	ARMOSA SA
Address of manufacturer	Rue des Tuiliers, 1, 4480 Engis, Belgium
Location of manufacturing sites	Rue des Tuiliers, 1, 4480 Engis, Belgium

2.1.1.4 Manufacturers of the active substances

Active substance	D-fructose
Name of manufacturer	Belgosuc nv
Address of manufacturer	Industriepark 20 8730 Beernem
Location of manufacturing sites	Belgium

Active substance	Acetic acid
Name of manufacturer	ARMOSA TECH
Address of manufacturer	Rues des Tuiliers 1, 4480, Engis
Location of manufacturing sites	Belgium

Part I. – First information level

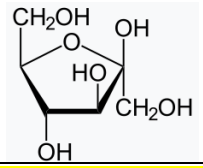
2.1.2 Product (family) composition and formulation

NB: the full composition of the product according to Annex III Title 1 should be provided in the confidential annex.

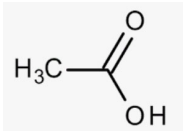
Does the product have the same identity and composition as the product evaluated in connection with the approval for listing of the active substance(s) on the Union list of approved active substances under Regulation No. 528/2012?

Yes ☐
No ☒

2.1.2.1 Identity of the active substance

Main constituents	
ISO name	D-fructose
IUPAC or EC name	(3S,4R,5R)-1,3,4,5,6-Pentahydroxyhexan-2-one
EC number	200-333-3
CAS number	57-48-7
Index number in Annex VI of CLP	-
Minimum purity / content	63%
Structural formula	$C_6H_{12}O_6$ 

*D-Fructose has food-grade and complies the requirements of a simplified evaluation procedure.

Main constituents	
ISO name	Acetic acid
IUPAC or EC name	Acetic acid
EC number	200-580-7
CAS number	64-19-7
Index number in Annex VI of CLP	-
Minimum purity / content	>80%
Structural formula	$C_2H_4O_2$ 

2.1.2.2 Candidates for substitution

Not applicable

2.1.2.3 Qualitative and quantitative information on the composition of the biocidal product family

Common name	IUPAC name	Function	CAS number	EC number	Content (%)	
					Min	Max
D-fructose	(3S,4R,5R)-1,3,4,5,6-Pentahydroxyhexan-2-one	Active substance	57-48-7	200-333-3	15.51	97.19
Acetic acid	Acetic acid	Active substance	64-19-7	200-580-7	0.273	2.8
For further details on full product composition please refer to the Confidential Annex 3.6.						

2.1.2.4 Information on technical equivalence

Not relevant

2.1.2.5 Information on the substances of concern

Please see the confidential annex for further details.

2.1.2.6 Assessment of endocrine disruption (ED) properties of co-formulants in biocidal products

An ED assessment has been performed and is submitted in Section 13 of the IUCLID dossier and in the confidential annex of the PAR.

None of the co-formulants of the products in the BPF should be considered as having ED properties.

2.1.2.7 Type of formulation

The FAMILY WASP & FLY LURE includes three different types of formulations:
-Soluble concentrated liquid (SL)
-Ready-to-use liquid (AL)
-Soluble Powder to be diluted (SP)

Part II. - Second information level

2.1.3 META SPC 1

2.1.3.1 Meta SPC administrative information

2.1.3.1.1 Meta SPC identifier

Identifier	Meta SPC 1

2.1.3.1.2 Suffix to the authorisation number

Number	

2.1.3.1.3 Product type

Product type	PT 19 – Attractants

2.1.3.2 Meta SPC composition

Common name	**IUPAC name**	**Function**	**CAS number**	**EC number**	**Content (%)**	
					Min	**Max**
D-fructose	(3S,4R,5R)-1,3,4,5,6-Pentahydroxyhexan-2-one	Active substance	57-48-7	200-333-3	51.03	51.03
Acetic acid	Acetic acid	Active substance	64-19-7	200-580-7	0.9	0.9

Please see the confidential annex for further details on composition of products in MetaSPC 1.

Type of formulation of the meta SPC

Soluble concentrated liquid (SL)

2.1.3.3 Classification and labelling of the products of the family according to the Regulation (EC) 1272/2008

Classification and labelling of the product in Meta SPC 1

Classification	
Hazard category	-
Hazard statement	-
Labelling	
Signal words	-
Hazard statements	-
Precautionary statements	-
Note	**-**

2.1.3.4 Authorised uses

2.1.3.4.1 Wasp and fly attractant – concentrated liquid

Table 1. Use # 1 – Wasp and fly attractant – concentrated liquid

Product Type	PT 19 – Attractants
Where relevant, an exact description of the authorised use	Wasp and fly attractant
Target organism (including development stage)	Wasp (*Vespula spp., Dolichovespula* spp) - adults Hornet (*Vespa spp*.) - adults Flies – *Musca domestica* - adults Fruit flies – *Drosophila* species - adults
Field of use	Indoor and Outdoors: for wasps, hornets and flies: Inside and outside around buildings. Indoor : for the control of fruit flies, it can be used undiluted in all places where fruit flies create a nuisance (only for indoor use): hotel, restaurants, kitchens, industrial kitchens, supermarkets, fruits and vegetables shops, …
Application method(s)	Bait application To be used with a suitable trap Diluted for the control of wasp, hornet and common fly and poured inside a suitable wasp trap out which the wasps/hornets/house flies cannot escape. Undiluted for the control of fruit flies (Drosophilae) and poured inside a suitable fruit fly trap out of which the fruit flies cannot escape.
Application rate(s) and frequency	Use against flies, wasps and hornets: dilute 100ml product with 300ml water. To be adapted depending on the size of the packaging (for instance, 50ml + 150ml water in case of 50ml packaging) Use against fruit flies: pour 50 ml undiluted product in the trap to cover an area of 4 m²
Category(ies) of users	Professional and non-professional users
Pack sizes and packaging material	Please see the relevant section.

2.1.3.4.2 Use-specific instructions for use

For wasps and hornets:

- In case the product is not efficient enough, change location of the trap.
- Prefer early morning/or late night to install the trap to avoid high density of wasps and hornets. The trap should be used in early spring or at the onset of wasp and hornets activity.

- In case of high density of wasps and hornets, several traps need to be used (3-4) and be placed up to 10 meters interval from each others.
- For maximum efficacy, the trap needs to be placed, suspended or fixed at a height around 1.2 -2 meter of the ground.
- Product should be used with traps specifically designed to catch wasps and hornets.
- About 1/3 free air space is left between the mixed product and the trap exit in order to keep the wasps and hornets inside the trap.
- Check the traps and renew the product at least once a week. Also replace product when the trap is saturated with wasps and hornets or when half the liquid has evaporated.

For flies:

- In case the product is not efficient enough, change location of the trap.
- In case of high density of flies, several traps need to be used (3-4) and be placed up to 10 meters interval from each others.
- For maximum efficacy, the trap needs to be placed, suspended or fixed at a height around 1.2 -2 meter of the ground.
- Product should be used with traps specifically designed to catch flies.
- About 1/3 free air space is left between the mixed product and the trap exit in order to keep the flies inside the trap.
- Check the traps and renew the product at least once a week. Also replace product when the trap is saturated with flies or when half the liquid has evaporated.

For fruit flies:

- In case the product is not efficient enough, change location of the trap.
- In case of high density of fruit flies, several traps need to be used (3-4) and be placed up to 10 meters interval from each others.
- For maximum efficacy, the trap needs to be placed, suspended or fixed at a height around 1.2 -2 meter of the ground.
- Product should be used with traps specifically designed to catch fruit flies.
- About 1/3 free air space is left between the mixed product and the trap exit in order to keep the fruit flies inside the trap.
- Check the traps and renew the product at least once a week. Also replace product when the trap is saturated with fruit flies or when half the liquid has evaporated.

In case of high infestation of wasps/flies, use a fly/wasp trap containing 500ml of product.

2.1.3.4.3 Use-specific risk mitigation measures

- Keep out of the reach of children.
- Read label before use.
- To protect bees, do not use in the vicinity of beehives, and not in places where bees are active (flowers, flowering crops…).
- Do not use away from houses.
- Withdraw the product when no infestation is present, to avoid catching non target insects.

- Precautions for safe handling: Ensure good ventilation of the work station.
- Hygiene measures: Keep away from food, drink and animal feeding stuffs. // Do not eat, drink or smoke when using this product. // Always wash hands after handling the product.

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

Particulars of likely direct or indirect effects:
No additional information available

First aid instructions:
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash immediately with plenty of soap and water. Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Rinse mouth. If possible show him this sheet. Failing this, show him the packaging or label.
Call a poison center or a doctor if you feel unwell.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

Emergency measures to protect the environment
General measures : Avoid contact with skin and eyes.
Emergency procedures : Ventilate spillage area.

Avoid release to the environment.

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

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

Ecology - waste materials : Avoid release to the environment.

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

Store in original container
Store in a well-ventilated place
Keep cool

Protect from frost

Store away from light

Shelf-life : 2 years

2.1.3.5 General directions for use for Meta SPC 1

2.1.3.5.1 Instructions for use

Please see - Use-specific instructions for use

2.1.3.5.2 Risk mitigation measures

Pleaser see – Specific RMM

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

Please see – Specific Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

2.1.3.5.4 Instructions for safe disposal of the product and its packaging

Please see – Specific Instructions for safe disposal of the product and its packaging

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

Please see – Specific conditions of storage and shelf-life of the product under normal conditions of storage

2.1.3.5.6 Other information

Attractants should only be used as preventive measure, but are not suitable to protect against wasp stings.

2.1.3.6 Third information level: individual products in the meta SPC 1

Trade names	Please refer to List of Trade Names of the biocidal products				
Common name	**IUPAC name**	**Function**	**CAS number**	**EC number**	**Content (%)**
D-fructose	(3S,4R,5R)-1,3,4,5,6-Pentahydroxyhexan-2-one	Active substance	57-48-7	200-333-3	51.03
Acetic acid	Acetic acid	Active	64-19-7	200-580-7	0.9

Trade names	Please refer to List of Trade Names of the biocidal products				
Common name	**IUPAC name**	**Function**	**CAS number**	**EC number**	**Content (%)**
		substance			

Please see the confidential annex for further details on composition

2.1.4 META SPC 2

2.1.4.1 Meta SPC administrative information

2.1.4.1.1 Meta SPC identifier

Identifier	Meta SPC 2

2.1.4.1.2 Suffix to the authorisation number

Number	

2.1.4.1.3 Product type

Product type	PT 19 – Attractants

2.1.4.2 Meta SPC composition

Common name	**IUPAC name**	**Function**	**CAS number**	**EC number**	**Content (%)**	
					Min	**Max**
D-fructose	(3S,4R,5R)-1,3,4,5,6-Pentahydroxyhexan-2-one	Active substance	57-48-7	200-333-3	15.51	15.51
Acetic acid	Acetic acid	Active substance	64-19-7	200-580-7	0.27	0.27

Please see the confidential annex for further details on composition of products in MetaSPC 2.

Type of formulation of the meta SPC

Ready-to-use liquid (AL)

2.1.4.3 Classification and labelling of the products of the family according to the Regulation (EC) 1272/2008

Classification and labelling of the product in Meta SPCs 2

Classification

Hazard category	-
Hazard statement	-
Labelling	
Signal words	-
Hazard statements	-
Precautionary statements	-
Note	**-**

2.1.4.4 Authorised uses

2.1.4.4.1 Wasp and fly attractant – RTU liquid

Table 2. Use # 1 – Wasp and fly attractant – RTU liquid

Product Type	PT 19 – Attractants
Where relevant, an exact description of the authorised use	Wasp and fly attractant
Target organism (including development stage)	Wasp – *Vespa* spp - adults Hornets - *Vespula* species - adults Flies – *Musca domestica* - adults Fruit flies – *Drosophila* species - adults
Field of use	Inside and outside around buildings. For the control of fruit flies, it can be used in all places where fruit flies create a nuisance: hotel, restaurants, kitchens, industrial kitchens, supermarkets, fruits and vegetables shops, …
Application method(s)	Bait application To be used with a suitable trap
Application rate(s) and frequency	Put 200ml of the product into the trap.
Category(ies) of users	Professional and non-professional users
Pack sizes and packaging material	Please see the relevant section.

2.1.4.4.2 Use-specific instructions for use

The trap can be placed or suspended in the desired location where wasps or flies congregate. The trap should be used in early spring or at the onset of wasp activity. Make sure the amount of product placed in the trap is enough to drown the insect. The

volume used should be adapted depending on the size of the trap.

2.1.4.4.3 Use-specific risk mitigation measures

- Keep out of the reach of children.
- Read label before use.
- To protect bees, do not use in the vicinity of beehives, and not in places where bees are active (flowers, flowering crops…).
- Do not use away from houses.
- Withdraw the product when no infestation is present, to avoid catching non target insects.
- Precautions for safe handling: Ensure good ventilation of the work station.
- Hygiene measures: Keep away from food, drink and animal feeding stuffs. // Do not eat, drink or smoke when using this product. // Always wash hands after handling the product.

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

Particulars of likely direct or indirect effects:
No additional information available

First aid instructions:
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash immediately with plenty of soap and water. Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Rinse mouth. If possible show him this sheet. Failing this, show him the packaging or label.
Call a poison center or a doctor if you feel unwell.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

Emergency measures to protect the environment
General measures : Avoid contact with skin and eyes.
Emergency procedures : Ventilate spillage area.

Avoid release to the environment.

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

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with licensed collector’s sorting instructions.

Ecology - waste materials : Avoid release to the environment.

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

Store in original container Store in a well-ventilated place Keep cool Protect from frost Store away from light Shelf-life : 2 years

2.1.4.5 General directions for use for Meta SPC 2

2.1.4.5.1 Instructions for use

Please see - Use-specific instructions for use

2.1.4.5.2 Risk mitigation measures

Pleaser see – Specific RMM

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

Please see – Specific Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

2.1.4.5.4 Instructions for safe disposal of the product and its packaging

Please see – Specific Instructions for safe disposal of the product and its packaging

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

Please see – Specific conditions of storage and shelf-life of the product under normal conditions of storage

2.1.4.5.6 Other information

Attractants should only be used as preventive measure, but are not suitable to protect against wasp stings.

2.1.4.6 Third information level: individual products in the meta SPC 2

Trade names	Please refer to List of Trade Names of the biocidal products				
Common name	**IUPAC name**	**Function**	**CAS number**	**EC number**	**Content (%)**
D-fructose	(3S,4R,5R)-1,3,4,5,6-Pentahydroxyhexan-2-one	Active substance	57-48-7	200-333-3	15.51
Acetic acid	Acetic acid	Active substance	64-19-7	200-580-7	0.27

Please see the confidential annex for further details on composition

2.1.5 META SPC 3

2.1.5.1 Meta SPC administrative information

2.1.5.1.1 Meta SPC identifier

Identifier	Meta SPC 3

2.1.5.1.2 Suffix to the authorisation number

Number	

2.1.5.1.3 Product type

Product type	PT 19 – Attractants

2.1.5.2 Meta SPC composition

Common name	**IUPAC name**	**Function**	**CAS number**	**EC number**	**Content (%)**	
					Min	**Max**
D-fructose	(3S,4R,5R)-1,3,4,5,6-Pentahydroxyhexan-2-one	Active substance	57-48-7	200-333-3	97.19	97.19
Acetic acid	Acetic acid	Active substance	64-19-7	200-580-7	2.8	2.8

Please see the confidential annex for further details on composition of products in MetaSPC 3.

Type of formulation of the meta SPC

Soluble Powder to be diluted (SP)

2.1.5.3 Classification and labelling of the products of the family according to the Regulation (EC) 1272/2008

Classification and labelling of the product in Meta SPC 3

Classification	
Hazard category	-
Hazard statement	-
Labelling	
Signal words	-
Hazard statements	-
Precautionary statements	-
Note	**-**

2.1.5.4 Authorised uses

2.1.5.4.1 Wasp and fly attractant – Soluble powder (SP)

Table 3. Use # 1 – Wasp and fly attractant – Soluble Powder (SP)

Product Type	PT 19 – Attractants
Where relevant, an exact description of the authorised use	Wasps and flies attractant
Target organism (including development stage)	Wasp (*Vespula spp., Dolichovespula* spp) - adults Flies – *Musca domestica* - adults
Field of use	Inside and outside around buildings.
Application method(s)	Bait application To be used with a suitable trap: Diluted for the control of wasp and common fly and poured inside a suitable wasp trap out of which the wasps/house flies cannot escape.
Application rate(s) and frequency	Put 25g of powder in 200ml of water into the trap. The volume of solution to be prepared should be adapted to the size of the trap. Product effective up to 7 days
Category(ies) of users	Professional and non-professional users
Pack sizes and packaging material	Please see the relevant section.

2.1.5.4.2 Use-specific instructions for use

Make sure the amount of product placed in the trap is enough to drown the insect. The volume used should be adapted depending on the size of the trap. The trap can then be placed or suspended in the desired location where wasps or flies

congregate. If needed, several traps can be placed at 6 to 8 meters interval from each others.

The trap should be used in early spring or at the onset of wasp activity.

Check the traps and renew the product at least once a week. Also replace product when the trap is saturated with flies/wasps or when half the liquid has evaporated.

2.1.5.4.3 Use-specific risk mitigation measures

- Keep out of the reach of children.
- Read label before use.
- To protect bees, do not use in the vicinity of beehives, and not in places where bees are active (flowers, flowering crops…).
- Do not use away from houses.
- Withdraw the product when no infestation is present, to avoid catching non target insects.
- Precautions for safe handling: Ensure good ventilation of the work station.
- Hygiene measures: Keep away from food, drink and animal feeding stuffs. // Do not eat, drink or smoke when using this product. // Always wash hands after handling the product.

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

Particulars of likely direct or indirect effects:
No additional information available

First aid instructions:
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash immediately with plenty of soap and water. Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Rinse mouth. If possible show him this sheet. Failing this, show him the packaging or label.
Call a poison center or a doctor if you feel unwell.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

Emergency measures to protect the environment
General measures : Avoid contact with skin and eyes.
Emergency procedures : Ventilate spillage area.

Avoid release to the environment.

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

Regional legislation (waste) : Disposal must be done according to official regulations. Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions. Ecology - waste materials : Avoid release to the environment.

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

Store in original container Store in a well-ventilated place Keep cool Protect from frost Store away from light Shelf-life : 2 years

2.1.5.5 General directions for use for Meta SPC 3

2.1.5.5.1 Instructions for use

Please see - Use-specific instructions for use

2.1.5.5.2 Risk mitigation measures

Pleaser see – Specific RMM

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

Please see – Specific Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

2.1.5.5.4 Instructions for safe disposal of the product and its packaging

Please see – Specific Instructions for safe disposal of the product and its packaging

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

Please see – Specific conditions of storage and shelf-life of the product under normal conditions of storage

2.1.5.5.6 Other information

Attractants should only be used as preventive measure, but are not suitable to protect against wasp stings.

2.1.5.6 Third information level: individual products in the meta SPC 3

Trade names	Please refer to List of Trade Names of the biocidal products				
Common name	**IUPAC name**	**Function**	**CAS number**	**EC number**	**Content (%)**
D-fructose	(3S,4R,5R)-1,3,4,5,6-Pentahydroxyhexan-2-one	Active substance	57-48-7	200-333-3	97.19
Acetic acid	Acetic acid	Active substance	64-19-7	200-580-7	2.8

Please see the confidential annex for further details on composition

2.1.6 Packaging of the biocidal product

Type of packaging	**Size/volume of the packaging**	**Material of the packaging**	**Type and material of closure(s)**	**Intended user (e.g. professional, non-professional)**	**Compatibility of the product with the proposed packaging materials (Yes/No)**
Meta SPC 1 and Meta SPC 2					
Bottle	50 mL to 5 L	Glass	-	Professional/Non professional	Yes
Bottle	50 mL to 5 L	HDPE	-	Professional/Non professional	Yes
Bottle	50 mL to 5 L	PE/PA	-	Professional/Non professional	Yes
Sachet (to put inside - Buckets (PE or PP) up to 2,5L; - Cardboard boxes up to 2,5L; - Bags (PE or PP) up to 2,5L	10, 25, 50, 75, 100, 150, 200 and 250 mL	PE/PP	-	Professional/Non professional	Yes
Meta SPC 3					
Hydrosoluble	10, 25, 50,	PVA	-	Professional/Non	Yes

bags (to put inside: - Buckets (PE or PP) up to 2,5Kg; - Cardboard boxes up to 2,5Kg; - Bags (PE or PP) up to 2,5Kg	75, 100, 150, 200 and 250 g			professional	
Bottle	10 g to 2.5 kg	PE/PA	-	Professional/Non professional	Yes
Bags	10 g to 2.5 kg	PE/PP	-	Professional/Non professional	Yes
Buckets	10 g to 2.5 kg	PE/PP	-	Professional/Non professional	Yes
Cans	10 g to 2.5 kg	Metal	-	Professional/Non professional	Yes

2.1.7 Documentation

2.1.7.1 Data submitted in relation to product application

According to Art. 25 of EU 528/2012, concerning the submission of a biocidal product application through the simplified procedure, data concerning the efficacy and storage stability of the product are submitted with this applicaction. No other data have been generated in the context of this submission following the information detailed in Art. 20.1b of EU 528/2012.

2.1.7.2 Access to documentation

The applicant is the owner of all the studies submitted with this application.

2.2 Assessment of the biocidal product family

The uses below are the ones applied for by the applicant, without any changes by the eCA. These uses are assessed in the following chapters.

See 2.1.3 for the authorised uses, after assessment of the dossier.

2.2.1 Intended uses as applied for by the applicant

Meta SPC 1

Table 1. Use # 1 – Professional and non-professional uses – concentrated liquid (SL)

Product Type	PT 19 – Attractants
Where relevant, an exact description of the authorised use	Wasps and flies attractant
Target organism (including development stage)	Adult Wasp, flies and fruit flies
Field of use	Outdoors. Inside and outside around buildings. For the control of fruit flies, it can be used undiluted in all places where fruit flies create a nuisance: hotel, restaurants, kitchens, industrial kitchens, supermarkets, fruits and vegetables shops, …
Application method(s)	▪ Diluted for the control of wasp and common fly and poured inside a trap ▪ Undiluted for the control of fruit flies (Drosophilae) and poured inside a trap
Application rate(s) and frequency	When diluted: 100ml lure with 300ml water. To be adapted depending on the size of the packaging (for instance, 50ml + 150ml water in case of 50ml packaging)
Category(ies) of users	Professional and non- professional users
Pack sizes and packaging material	Please see the relevant section.

Meta SPC 2

Table 2. Use # 2 Professional and non-professional uses – RTU liquid (AL)

Product Type	PT 19 – Attractants
Where relevant, an exact description of the authorised use	Wasps and flies attractant
Target organism (including development stage)	Adult Wasp, flies and fruit flies
Field of use	Outdoors. Inside and outside around buildings. For the control of fruit flies, it can be used in all places where fruit flies create a nuisance: hotel, restaurants, kitchens,

	industrial kitchens, supermarkets, fruits and vegetables shops, …
Application method(s)	Undiluted and poured inside a trap
Application rate(s) and frequency	Put 200ml of the product into the trap (enough to drown the insect). To be adapted depending on the size of the trap.
Category(ies) of users	Professional and non-professional users
Pack sizes and packaging material	Please see the relevant section.

Meta SPC 3

Table 3. Use # 3 – Professional and non-professional uses – Soluble Powder (SP)

Product Type	PT 19 – Attractants
Where relevant, an exact description of the authorised use	Wasps and flies attractant
Target organism (including development stage)	Adult Wasp, flies and fruit flies
Field of use	Outdoors. Inside and outside around buildings. For the control of fruit flies, it can be used undiluted in all places where fruit flies create a nuisance: hotel, restaurants, kitchens, industrial kitchens, supermarkets, fruits and vegetables shops, …
Application method(s)	Diluted and poured inside a trap
Application rate(s) and frequency	Put 25g of powder in 200ml of water into the trap (enough to drown the insect). To be adapted depending on the size of the packaging (for instance, 50ml + 150ml water in case of 50ml packaging)
Category(ies) of users	Professional and non-professional users
Pack sizes and packaging material	Please see the relevant section.

2.2.2 Physical, chemical and technical properties

According to the information provided in Art. 20.1b of EU 528/2012, no data concerning physical, chemical and technical properties is required for products meeting the conditions laid down in Art. 25 of the same regulation (simplified procedure). Nonetheless, some basic properties have been determined.

When the dossier "Family wasp and fly lure" was submitted, only D-Fructose was indicated as active substance. However, during the assessment of the family, acid acetic was identified as active substance. Some additional tests with acid acetic were requested during the evaluation phase of the dossier (storage stability tests and validated analytical method for acid acetic).

Due to the short period of the simplified authorization, only the accelerated stability test with acid acetic was submitted. The applicant provided a study plan of the long term storage at ambient temperature test. The results will be available in January 2024 (post-authorization phase).

Meta spc 1 – Fructose 51% w/w SL (CONCENTRATED)

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
Physical state at 20 °C and 101.3 kPa	[redacted]	[redacted]	[redacted]	[redacted]	Acceptable
Colour at 20 °C and 101.3 kPa	[redacted]	[redacted]	[redacted]	[redacted]	Acceptable

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
Odour at 20 °C and 101.3 kPa					Not applicable
pH					Acceptable
Relative density / bulk density					Acceptable
Storage stability test – **accelerated storage**					Acceptable

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
Storage stability test – **long term storage at ambient temperature**	[redacted]	[redacted]	[redacted]	[redacted]	Acceptable

BE-CA remark : Conclusion of storage stability test :

When the dossier "Family wasp and fly lure" was submitted, only D-Fructose was indicated as active substance. At this time, a long term storage at ambient temperature test with only D-Fructose was submitted by the applicant.
However, during the assessment of the family, acid acetic was identified as active substance. Some additional tests with acid acetic were requested during the evaluation phase of the dossier (storage stability tests and validated analytical method for acid acetic). Due to the short period of the simplified authorization, only the accelerated stability test with acid acetic was submitted. The applicant provided a study plan of the long term storage

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
at ambient temperature test. The final results will be available in January 2024. BE-CA considers that the accelerated storage test with only acid acetic and the long term storage at ambient temperature test with only D-Fructose are acceptable for META SPC 1. Indeed, in the two reports, the amount of active substances and physical-chemical properties didn't change. The results was considered as sufficient to authorized a shelf-life of 2 years for the META SPC 1 (D-fructose 51% w/w SL) provided that the applicant supplies the interm data (3 months, 6 months, 12 months and 24 months) for the long term storage at ambient temperature test with acid acetic (post-autorization phase).					
Storage stability test – **low temperature stability test for liquids**	Test waived - The product must not be stored under conditions of ≤ 0°C then the low temperature storage does not need to be addressed.				Acceptable "Protect from frost" will be added on the label
Effects on content of the active substance and technical characteristics of the biocidal product - **light**	Test waived - The product is stored in darkness, so no effect of light is expected.				Acceptable "Keep away from direct sunlight" will be added on the label
Effects on content of the active substance and technical characteristics of the biocidal product – **temperature and humidity**	Please refer to storage stability tests				Acceptable
Effects on content of the active substance and technical characteristics of the	Please refer to storage stability tests				Acceptable As stated in the Guidance

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
biocidal product - **reactivity towards container material**					on the Biocide products regulation, Vol I Parts A+B+C (Version 2.0 May 2018), for water formulation, an extrapolation to all types of packaging apart from metal is acceptable.
Wettability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Suspensibility, spontaneity and dispersion stability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Wet sieve analysis and dry sieve test	Not applicable according Art. 25 of BPR Regulation				Not applicable
Emulsifiability, re-emulsifiability and emulsion stability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Disintegration time	Not applicable according Art. 25 of BPR Regulation				Not applicable
Particle size distribution, content of dust/fines, attrition, friability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Persistent foaming	Not applicable according Art. 25 of BPR Regulation				Not applicable
Flowability/Pourability /Dustability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Burning rate — smoke generators	Not applicable according Art. 25 of BPR Regulation				Not applicable

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
Burning completeness — smoke generators	Not applicable according Art. 25 of BPR Regulation				Not applicable
Composition of smoke — smoke generators	Not applicable according Art. 25 of BPR Regulation				Not applicable
Spraying pattern — aerosols	Not applicable according Art. 25 of BPR Regulation				Not applicable
Physical compatibility	The product is not applied in combination with other products, so further studies are not needed.				Acceptable
Chemical compatibility	The product is not applied in combination with other products, so further studies are not needed.				Acceptable
Degree of dissolution and dilution stability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Surface tension	[redacted]	[redacted]	[redacted]	[redacted]	Acceptable
Viscosity	[redacted]	[redacted]	[redacted]	[redacted]	Acceptable

Conclusion on the physical, chemical and technical properties of the product

According to the information provided in Art. 20.1b of EU 528/2012, no data concerning physical, chemical and technical properties is required for products meeting the conditions laid down in Art. 25 of the same regulation (simplified procedure). Nonetheless, some basic properties have been determined as pH, relative density, surface tension and viscosity for the META SPC 1 (D-fructose 51% w/w SL). The result are deemed as acceptable.

When submitting the dossier, only D-Fructose was indicated as active substance. However, acid acetic was identified also as active substance. Due of the short time of the simplified procedure, only an accelerated storage with acid acetic and a long term at ambient temperature storages tests were available during the assessment of the family. The results of both studies were deemed as acceptable and sufficient to authorized a shelf-life of 2 years for the META SPC 1 (D-fructose 51% w/w SL) provided that the applicant supplies the interm data (3 months, 6 months, 12 months and 24 months) for the long term storage at ambient temperature test with acid acetic (post-autorization phase).

Moreover, some restrictions should be added to the label ("Protect from frost " and "Store away from light")

Shelf-life : 2 years META SPC 1 (D-fructose 51% w/w SL)
Post-authorization: Interim data (3, 6, 12 and 24 months) for the long term storage at ambient temperature with acid acetic.

Meta spc 2 – Fructose 15.5% w/w AL (RTU)

Property	**Guideline and Method**	**Purity of the test substance (% (w/w)**	**Results**	**Reference**	**BE-CA remark**
Physical state at 20 °C and 101.3 kPa					Acceptable
Colour at 20 °C and 101.3 kPa					Acceptable
Odour at 20 °C and 101.3 kPa					Not applicable
pH					Acceptable
Relative density / bulk density					Acceptable
Storage stability test – **accelerated storage**					Not acceptable Please refer to the BE comment regarding the storage stability tests.

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
Storage stability test – **long term storage at ambient temperature**					Not acceptable Please refer to the BE comment regarding the storage stability tests.
BE-CA remark : Conclusion of storage stability test : When the dossier "Family wasp and fly lure" was submitted, only D-Fructose was indicated as active substance. At this time, a long term storage at ambient temperature test with only D-Fructose was submitted by the applicant.					

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
However, during the assessment of the family, acid acetic was identified as active substance. Some additional tests with acid acetic were requested during the evaluation phase of the dossier (storage stability tests and validated analytical method for acid acetic). Due to the short period of the simplified authorization, only the accelerated stability test with acid acetic was submitted. The applicant provided a study plan of the long term storage at ambient temperature test. The final results will be available in January 2024. BE-CA considers that the accelerated storage test with only acid acetic and the long term storage at ambient temperature test with only D-Fructose are acceptable for META SPC 2. Indeed, in the two reports, the amount of active substances and physical-chemical properties didn't change. The results was considered as sufficient to authorized a shelf-life of 2 years for the META SPC 2 (Fructose 15.5% w/w AL) provided that the applicant supplies the interm data (3 months, 6 months, 12 months and 24 months) for the long term storage at ambient temperature test with acid acetic (post-autorization phase).					
Storage stability test – **low temperature stability test for liquids**	Test waived - The product must not be stored under conditions of ≤ 0°C then the low temperature storage does not need to be addressed.				Acceptable "Protect from frost" will be added on the label
Effects on content of the active substance and technical characteristics of the biocidal product - **light**	Test waived - The product is stored in darkness, so no effect of light is expected.				Acceptable "Keep away from direct sunlight" will be added on the label
Effects on content of the active substance and technical characteristics of the biocidal product – **temperature and humidity**	Please refer to storage stability tests				Acceptable
Effects on content of the active substance	Please refer to storage stability tests				Acceptable

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
and technical characteristics of the biocidal product - **reactivity towards container material**					As stated in the Guidance on the Biocide products regulation, Vol I Parts A+B+C (Version 2.0 May 2018), for water formulation, an extrapolation to all types of packaging apart from metal is acceptable.
Wettability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Suspensibility, spontaneity and dispersion stability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Wet sieve analysis and dry sieve test	Not applicable according Art. 25 of BPR Regulation				Not applicable
Emulsifiability, re-emulsifiability and emulsion stability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Disintegration time	Not applicable according Art. 25 of BPR Regulation				Not applicable
Particle size distribution, content of dust/fines, attrition, friability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Persistent foaming	Not applicable according Art. 25 of BPR Regulation				Not applicable
Flowability/Pourability /Dustability	Not applicable according Art. 25 of BPR Regulation				Not applicable

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
Burning rate — smoke generators	Not applicable according Art. 25 of BPR Regulation				Not applicable
Burning completeness — smoke generators	Not applicable according Art. 25 of BPR Regulation				Not applicable
Composition of smoke — smoke generators	Not applicable according Art. 25 of BPR Regulation				Not applicable
Spraying pattern — aerosols	Not applicable according Art. 25 of BPR Regulation				Not applicable
Physical compatibility	The product is not applied in combination with other products, so further studies are not needed.				Acceptable
Chemical compatibility	The product is not applied in combination with other products, so further studies are not needed.				Acceptable
Degree of dissolution and dilution stability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Surface tension	OECD Guideline 115 (Surface Tension of Aqueous Solutions)	Fructose 15.5% w/w AL Batch 3019	Surface tension of the test item is 63.0 mN/m at 25ºC.	Hans M. 2021, Report No. BAS052021.5, Biocidal Alternative Solutions SA	Acceptable
Viscosity	OECD Test Guideline 114 (Viscosity of Liquids)	Fructose 15.5% w/w AL Batch 3019	At 20ºC, Kinematic viscosity is 1.9 mm2/s and Dynamic viscosity is 2.0 mPa s.	Hans M. 2021, Report No. BAS052021.5, Biocidal Alternative Solutions SA	Acceptable

Conclusion on the physical, chemical and technical properties of the product
According to the information provided in Art. 20.1b of EU 528/2012, no data concerning physical, chemical and technical properties is required for products meeting the conditions laid down in Art. 25 of the same regulation (simplified procedure). Nonetheless, some basic properties have been determined as pH, relative density, surface tension and viscosity for the META SPC 2 (Fructose 15.5% w/w AL). The results are deemed as acceptable. When submitting the dossier, only D-Fructose was indicated as active substance. However, acid acetic was identified also as active

substance. Due of the short time of the simplified procedure, only an accelerated storage with acid acetic and a long term at ambient temperature storages tests were available during the assessment of the family. The results of both studies were deemed as acceptable and sufficient to authorized a shelf-life of 2 years for the META SPC 2 (Fructose 15.5% w/w AL). provided that the applicant supplies the interm data (3 months, 6 months, 12 months and 24 months) for the long term storage at ambient temperature test with acid acetic (post-autorization phase).

Moreover, some restrictions should be added to the label ("Protect from frost " and "Store away from light")

Shelf-life : 2 years for META SPC 2 (Fructose 15.5% w/w AL).
Post-authorization: Interim data (3, 6, 12 and 24 months) for the long term storage at ambient temperature with acid acetic.

Meta spc 3 – Fructose 97.2% w/w SP (SOLUBLE POWDER)

Property	**Guideline and Method**	**Purity of the test substance (% (w/w)**	**Results**	**Reference**	**BE-CA remark**
Physical state at 20 °C and 101.3 kPa					Acceptable
Colour at 20 °C and 101.3 kPa					Acceptable
Odour at 20 °C and 101.3 kPa					Not applicable
pH					Acceptable
Relative density / bulk density					Not applicable
Storage stability test – **accelerated storage**					Not acceptable Please refer to the BE

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
	[redacted]		[redacted]		comment regarding the storage stability tests.
Storage stability test – **long term storage at ambient temperature**	[redacted]	[redacted]	[redacted]	[redacted]	Not acceptable Please refer to the BE comment regarding the storage stability tests.

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
			[redacted]		

BE-CA remark : Conclusion of storage stability test :

When the dossier "Family wasp and fly lure" was submitted, only D-Fructose was indicated as active substance. At this time, a long term storage at ambient temperature test with only D-Fructose was submitted by the applicant.
However, during the assessment of the family, acid acetic was identified as active substance. Some additional tests with acid acetic were requested during the evaluation phase of the dossier (storage stability tests and validated analytical method for acid acetic). Due to the short period of the simplified authorization, only the accelerated stability test with acid acetic was submitted. The applicant provided a study plan of the long term storage at ambient temperature test. The final results will be available in January 2024.

BE-CA considers that the accelerated storage test with only acid acetic and the long term storage at ambient temperature test with only D-Fructose are acceptable for META SPC 3. Indeed, in the two reports, the amount of active substances and physical-chemical properties didn't change. The results was considered as sufficient to authorized a shelf-life of 2 years for the META SPC 3 (Fructose 97.2% w/w SP) provided that the applicant supplies the interm data (3 months, 6 months, 12 months and 24 months) for the long term storage at ambient temperature test with acid acetic (post-autorization phase).

Storage stability test – **low temperature stability test for liquids**	Test waived - The product must not be stored under conditions of ≤ 0°C then the low temperature storage does not need to be addressed.	Acceptable "Protect from frost" will be added on the label
Effects on content of the active substance and technical characteristics of the biocidal product - **light**	Test waived - The product is stored in darkness, so no effect of light is expected.	Acceptable "Keep away from direct sunlight" will be added on the label
Effects on content of the active substance and technical	Please refer to storage stability tests	Acceptable

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
characteristics of the biocidal product – **temperature and humidity**					
Effects on content of the active substance and technical characteristics of the biocidal product - **reactivity towards container material**	Please refer to storage stability tests				Acceptable As stated in the Guidance on the Biocide products regulation, Vol I Parts A+B+C (Version 2.0 May 2018), for the solid preparation, an extrapolation to all types of packaging is acceptable.
Wettability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Suspensibility, spontaneity and dispersion stability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Wet sieve analysis and dry sieve test	Not applicable according Art. 25 of BPR Regulation				Not applicable
Emulsifiability, re-emulsifiability and emulsion stability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Disintegration time	Not applicable according Art. 25 of BPR Regulation				Not applicable
Particle size distribution, content of dust/fines, attrition, friability	Not applicable according Art. 25 of BPR Regulation				Not applicable

Property	Guideline and Method	Purity of the test substance (% (w/w)	Results	Reference	BE-CA remark
Persistent foaming	Not applicable according Art. 25 of BPR Regulation				Not applicable
Flowability/Pourability /Dustability	Not applicable according Art. 25 of BPR Regulation				Not applicable
Burning rate — smoke generators	Not applicable according Art. 25 of BPR Regulation				Not applicable
Burning completeness — smoke generators	Not applicable according Art. 25 of BPR Regulation				Not applicable
Composition of smoke — smoke generators	Not applicable according Art. 25 of BPR Regulation				Not applicable
Spraying pattern — aerosols	Not applicable according Art. 25 of BPR Regulation				Not applicable
Physical compatibility	The product is not applied in combination with other products, so further studies are not needed.				Acceptable
Chemical compatibility	The product is not applied in combination with other products, so further studies are not needed.				Acceptable
Degree of dissolution and dilution stability	[redacted]	[redacted]	[redacted]	[redacted]	Acceptable
	[redacted]	[redacted]	[redacted]	[redacted]	Acceptable
Surface tension	Not applicable according Art. 25 of BPR Regulation				Not applicable
Viscosity	Not applicable according Art. 25 of BPR Regulation				Not applicable

Conclusion on the physical, chemical and technical properties of the product
According to the information provided in Art. 20.1b of EU 528/2012, no data concerning physical, chemical and technical properties is required for products meeting the conditions laid down in Art. 25 of the same regulation (simplified procedure). Nonetheless, some basic properties have been determined as pH, degree of dissolution and dilution stability for the META SPC 3 (Fructose 97.2%

w/w SP). The results are deemed as acceptable.

When submitting the dossier, only D-Fructose was indicated as active substance. However, acid acetic was identified also as active substance. Due of the short time of the simplified procedure, only an accelerated storage with acid acetic and a long term at ambient temperature storages tests were available during the assessment of the family. The results of both studies were deemed as acceptable and sufficient to authorized a shelf-life of 2 years for the the META SPC 3 (Fructose 97.2% w/w SP) provided that the applicant supplies the interm data (3 months, 6 months, 12 months and 24 months) for the long term storage at ambient temperature test with acid acetic (post-autorization phase).

Moreover, some restrictions should be added to the label ("Protect from frost " and "Store away from light")

Shelf-life : 2 years for the META SPC 3 (Fructose 97.2% w/w SP)
Post-authorization: Interim data (3, 6, 12 and 24 months) for the long term storage at ambient temperature with acid acetic.

2.2.3 Physical hazards and respective characteristics

According to the information provided in Art. 20.1b of EU 528/2012, no data concerning physical hazards is required for products meeting the conditions laid down in Art. 25 of the same regulation (simplified procedure).

2.2.4 Methods for detection and identification

Analytical methods for the analysis of the product as such including the active substance, impurities and residues									
Analyte (type of analyte e.g. active substance)	**Analytical method**	**Fortification range / Number of measurements**	**Linearity**	**Specificity**	**Recovery rate (%)**			**Limit of quantification (LOQ) or other limits**	**Precision**	**Reference**
					Range	Mean	RSD			
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]							

Conclusion on the methods for detection and identificationof the product
Following SANCO/3030/99 rev.5, the method of analysis of fructose and acid acetic in Fructose 51% w/w SL was validated during this study by definition of the specificity, the linearity, the precision and the accuracy of the method. Following SANCO/3030/99 rev.5, the method of analysis of fructose and acid acetic in Fructose 15.5% w/w SL was validated during this study by definition of the specificity, the linearity, the precision and the accuracy of the method. Following SANCO/3030/99 rev.5, the method of analysis of fructose and acid acetic in Fructose 97.2% w/w SP was validated during this study by definition of the specificity, the linearity, the precision and the accuracy of the method.

2.2.5 Efficacy against target organisms

2.2.5.1 Function and field of use

Main group 03 (Pest control): PT19 – attractant to flies, wasps and fruit flies.

The biocidal product family "WASP AND FLY Lure" contains products based on D-fructose (CAS 57-48-7) and acetic acid (CAS 64-19-7) in order to attract wasps (*Vespa* and *Vespula* species), flies (*Musca domestica, Lucilia Caesar, Stomoxys calcitrans*,…) and fruitflies (*Drosophila* species). When used in combination with an suitable trap to catch flying insects, the target organisms are lured into the trap. Eventually they get will get tired and drown in the liquid.

The products are intended to be used outdoors in gardens, or indoors in stables. The product can be used by professional and non-professional users (general public).

Products of Meta SPC 1 : concentrated liquid with 51.03% D-fructose, to be diluted 1:4 with water (for example 100 ml product + 300 ml water) to reach an in-use concentration of 12.75% D-fructose for use against flies, hornets and wasps. For use against fruit flies, the product is intended to be used undiluted.

Products of Meta SPC 2 : ready to use liquid with 15.51% D-fructose for use against flies, wasps and fruit flies.

Products of Meta SPC 3: Soluble powder with 97.2% D-fructose, 25 g to be diluted in 200 ml, to reach an in use concentration of 12.15% D-fructose for use against flies and wasps.

2.2.5.2 Organisms to be controlled and products, organisms or objects to be protected

The products in this family are intended to attract adult wasps (*Vespula* species), hornets (*Vespa*), flies (*Musca domestica, Lucilia Caesar, Stomoxys calcitrans*,…) and fruitflies (*Drosophila* species), to reduce the burden they can cause to humans and animals.

2.2.5.3 Effects on target organisms, including unacceptable suffering

The insects attracted by the scent of the products' composition (food grade attractants) and enter the trap thinking they will find food. When they get trapped they cannot get out of the trap. They become exhausted and will eventually drown.

2.2.5.4 Mode of action, including time delay

The products included in this family contain D-fructose (CAS 57-48-7) and acetic acid (CAS 64-19-7) as active substances, which are known to attract wasps, hornets and flies. It is expected that the attractant effect is based on olfactory attraction. There is no time delay for the product to be effective.

2.2.5.5 Efficacy data

Please find below the summaries corresponding to the efficacy studies carried out with the products included in this family.

<table>
<tr><th colspan="7">Experimental data on the efficacy of the biocidal product against target organism(s)</th></tr>
<tr><th>Function and Field of use envisaged</th><th>Test substance</th><th>Test organism(s)</th><th>Test method</th><th>Test system / concentrations applied / exposure time</th><th>Test results: effects</th><th>Reference</th></tr>
<tr><td colspan="7">Meta SPC 1 – Liquid concentrate 51% fructose and 0.9% Acetic acid</td></tr>
<tr>
<td>PT19 : attractant for flies, fruit flies and wasps

in and outdoor</td>
<td>WASP AND FLY LURE

(51.03% D-fructose and 0.9% acetic acid)</td>
<td>Vespa velutina (queen and workers)

Dolichovespula Polistes

Vespula vulgaris

Lucilia Caesar

Calliphora vomitoria

Mesembrina meridian

Sarcophagi carnica

Drosophila spp.

Culex pipiens</td>
<td>Field trial

Spain

Temperature: 12-18°C on average</td>
<td>Test system:
5 traps placed in trees, on ornamental plants where wasps usually feed (Camellia, Rhododendron and Callistemon citrinus species), at a height of 2 m from ground level to avoid manipulation by animals or people. Traps were placed at least 10 meters away from each other’s to avoid interference. Negative control traps were placed next to test traps.

Concentrations applied:
100 ml product diluted in 300 ml water. 400 ml per trap.
Negative control contains 400 ml water.

Exposure time:
1 week</td>
<td>No insects were caught in the negative control traps.

<table>
<tr><td></td><td colspan="5"># insects trapped per trap</td></tr>
<tr><td>T.O.</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr>
<tr><td>Vespa velutina (queen)</td><td>8</td><td>13</td><td>15</td><td>15</td><td>16</td></tr>
<tr><td>Vespa velutina (worker)</td><td>3</td><td>0</td><td>0</td><td>2</td><td>4</td></tr>
<tr><td>Vespula vulgaris</td><td>15</td><td>13</td><td>13</td><td>13</td><td>13</td></tr>
<tr><td>Dolichovespula</td><td>4</td><td>0</td><td>2</td><td>1</td><td>1</td></tr>
<tr><td>Polistes</td><td>3</td><td>0</td><td>1</td><td>2</td><td>2</td></tr>
<tr><td>Lucilia caesar</td><td>16</td><td>31</td><td>11</td><td>6</td><td>17</td></tr>
<tr><td>Calliphora vomitoria</td><td>3</td><td>7</td><td>7</td><td>2</td><td>5</td></tr>
<tr><td>Mesembrina meridiana</td><td>13</td><td>90</td><td>16</td><td>31</td><td>13</td></tr>
<tr><td>Sarcophagi carnica</td><td>11</td><td>11</td><td>13</td><td>16</td><td>15</td></tr>
<tr><td>Drosophila spp.</td><td>31</td><td>21</td><td>26</td><td>21</td><td>22</td></tr>
<tr><td>Culex pipiens</td><td>12</td><td>43</td><td>74</td><td>51</td><td>23</td></tr>
</table>

<table>
<tr><td>T.O.</td><td>total # insects trapped</td></tr>
</table>
</td>
<td>[redacted]

[redacted]

[redacted]</td>
</tr>
</table>

					Vespa velutina (queen) 67 *Vespa velutina* (worker) 9 *Vespula vulgaris* 67 Dolichovespula 8 Polistes 8 *Lucilia caesar* 81 *Calliphora vomitoria* 24 *Mesembrina meridiana* 163 *Sarcophagi carnica* 66 *Drosophila spp.* 121 *Culex pipiens* 203 **conclusion**: Several flying insects are attracted to the wasp and fly lure, including the wasp and fly species mentioned above. As no insects were caught in the negative control traps, no statistical analysis is possible.	
PT19 : attractant for flies, fruit flies and wasps in and outdoor	WASP AND FLY LURE (51.03% D-fructose and 0.9% acetic acid)	*Vespula vulgaris* *Lucilia sericata* *Vespa crabo* *Calliphora vomitoria* *Stomoxys calcitrans* *Musca domestica* *Lepidoptera*	Field trial France fig plantation	**Test system:** 5 traps were hanged in trees, on ornamental plants where wasps usually feed, at a height of between 1.2m and 1.6m. Traps were placed at least 8 meters away from each other's to avoid interference. Negative control traps were placed next to test traps. **Concentrations applied:** 50 ml product diluted with 150 ml water, Negative control contains 200 ml water. **Exposure time:** 1 week	In one control trap, 5 *Sarcophaga carnaria*, 1 *drosophila* fly and 1 ant were caught. Following number of target organisms are found in the treatment traps: total # insects trapped in 5 traps *Vespula vulgaris* 12 *Lucilia sericata* 4 *Vespa crabo* 3 *Calliphora vomitoria* 4 *Stomoxys calcitrans* 6 *Musca domestica* 14 *lepidoptera* 3 **conclusion**: Several flying insects are attracted to the wasp and fly lure, including the wasp and fly species mentioned above. As different insects were caught in the negative control traps, no statistical analysis is possible.	[redacted]

PT19 : attractant for flies, fruit flies and wasps in and outdoor	WASP AND FLY LURE (51.03% D-fructose and 0.9% acetic acid)	*Vespula vulgaris*	Field trial France garden	**Test system:** 5 traps were hanged in trees, on ornamental plants where wasps usually feed, at a height of between 1.2m and 1.6m. Traps were placed at least 8 meters away from each other's to avoid interference. Negative control traps were placed at a distance of 2m from the test traps. **Concentrations applied:** 50 ml product diluted with 150 ml water, Negative control contains 200 ml water. **Exposure time:** 8 days	In one control trap, 2 moths were caught. Following number of target organisms are found in the treatment traps: total # insects trapped in 5 traps *Vespula vulgaris* 45 *Lucilia sericata* 6 *Vespa crabo* 1 *Calliphora vomitoria* 2 *Musca domestica* 56 **conclusion**: Several flying insects are attracted to the wasp and fly lure, including the wasp and fly species mentioned above. As different insects were caught in the negative control traps, no statistical analysis is possible.	[redacted]
PT19 : attractant for flies, fruit flies and wasps in and outdoor	WASP AND FLY LURE (51.03% D-fructose and 0.9% acetic acid)	*Drosophila spp.* ±1000 released	Semi Field trial Garage	**Test system:** Rotten fruit placed in a garage exposed to lab reared fruit flies. Garage is left open during the day, and closed at night. Total of 5 traps in garage 1 trap / 4m² Negative control traps: 50 ml water **Concentrations applied:** 50 ml product in each trap. **Exposure time:** 3 days	No insects were caught in the negative control traps. number of fruit flies trapped in trated traps: # fruit flies trapped trap 1 75 trap 2 140 trap 3 162 trap 4 133 trap 5 135 **total** **645** **conclusion**: None of the released fruit flies are attracted to the traps filled with water. Traps filled with attractant have attracted many fruit flies into the traps.	[redacted]
PT19 : attractant for flies, fruit	WASP AND FLY LURE	*Drosophila melanogaster*	Lab trial choice trial	**Test system:** Insects are released in the middle cage, allowing to choose	number of fruit flies in cages after 1 week: - product: 110 - negative control: 35	[redacted]

flies and wasps in and outdoor	(51.03% D-fructose and 0.9% acetic acid)	#150	Y-shaped olfactometer	between two opposite directions (1 with bait, 1 with water). **Concentrations applied:** 50 ml of the product or water **Exposure time:** 1 week RH : 40 – 50% Temperature : 22 – 25°C 1 replicate	5 flies did not make a choice (inactive flies). **conclusion**: Out of the 145 flies that make a choice, 110 (75.9%) of those flies chose the side of the attractant.	[redacted]
PT19 : attractant for flies, fruit flies and wasps in and outdoor	WASP AND FLY LURE Liquid (51.03% D-fructose and 0.9% acetic acid)	*Musca domestica* # 140	Lab trial choice trial Y-shaped olfactometer	**Test system:** Insects are released in the middle cage, allowing to choose between two opposite directions (1 with bait, 1 with water). **Concentrations applied:** 150 ml of product diluted in 450 ml water or 600 ml water **Exposure time:** 1 week RH : 40 – 50% Temperature : 22 – 25°C 1 replicate	number of flies in cages after 1 week: - product: 78 - negative control: 22 40 flies did not make a choice (inactive flies). **conclusion**: Out of the 100 flies that make a choice, 78 (78%) of those flies chose the side of the attractant.	[redacted]
Meta SPC 2 – 15.5 % D-fructose and 0.27% Acetic acid						
PT19 : attractant for flies, fruit flies and wasps in and outdoor	WASP LURE RTU Liquid (15.5% D-fructose and 0.27% acetic acid)	*Drosophila melanogaster* #180	Lab trial choice trial Y-shaped olfactometer	**Test system:** Insects are released in the middle cage, allowing to choose between two opposite directions (1 with bait, 1 with water). **Concentrations applied:** 50 ml of the product or water	number of fruit flies in cages after 1 week: - product: 139 - negative control: 28 13 flies did not make a choice (inactive flies). **conclusion**: Out of the 167 fruit flies that make a choice, 139 (83.2%) of those fruit flies chose the side of the attractant.	[redacted]

<table>
<tr><td></td><td></td><td></td><td></td><td>Exposure time:
1 week

RH : 40 – 60%
Temperature : 23 – 27°C

1 replicate</td><td></td><td></td></tr>
<tr><td>PT19 : attractant for flies, fruit flies and wasps

in and outdoor</td><td>WASP LURE RTU Liquid

(15.5% D-fructose and 0.27% acetic acid)</td><td>Drosophila spp.

field population</td><td>Field trial

Carport (outdoors open system)</td><td>Test system:
6-7 days before start of testing,rotten fruit is placed to ensure high infestation of fruit flies.

Concentrations applied:
50 ml of the product or water
Total of 10 traps (5 treated, 5 water) → 1 trap / 4m²

Exposure time:
3 days

conditions:
rainfall
Temperature: 12 – 19°C</td><td>Number of fruit flies trapped:
<table><tr><td></td><td>Test</td><td>water</td></tr><tr><td>trap 1</td><td>248</td><td>0</td></tr><tr><td>trap 2</td><td>350</td><td>0</td></tr><tr><td>trap 3</td><td>140</td><td>0</td></tr><tr><td>trap 4</td><td>190</td><td>0</td></tr><tr><td>total</td><td>1054</td><td>0</td></tr></table>
A total of 25 flies (Musca domestica) and 2 wasps (Vespula germanica) were also caught in the test traps
No insects were caught in control traps.

conclusion: Fruit flies are attracted to the RTU Wasp Lure liquid. As no insects were caught in the negative control traps, no statistical analysis is possible.</td><td></td></tr>
<tr><td colspan="7">Meta SPC 3 – 97.2 % fructose Powder and 2.8% Acetic acid</td></tr>
<tr><td>PT19 : attractant for flies, fruit flies and wasps

in and outdoor</td><td>WASP AND FLY LURE

powder

(97.19% D-Fructose and 2.8% acetic acid)</td><td>Musca domestica</td><td>Field trial

calves housing</td><td>Test system:
4 traps were hanged on the walls, at a height of at least 1.8 m from ground level to avoid manipulation by animals or people. Traps were placed at least 6 meters away from each other’s to avoid interference.

Concentrations applied:
25g product was diluted in 200 ml water. Negative control contains 200 ml water.</td><td>Number of flies trapped:
<table><tr><td></td><td>Test</td><td>water</td></tr><tr><td>trap 1</td><td>104</td><td>10</td></tr><tr><td>trap 2</td><td>144</td><td>3</td></tr><tr><td>trap 3</td><td>57</td><td>0</td></tr><tr><td>trap 4</td><td>219</td><td>41</td></tr><tr><td>total</td><td>524</td><td>54</td></tr></table>
conclusion:
The traps with attractant product trapped 10x more flies than traps filled with water.
Efficacy of the attractant powder is calculated at 89.7%</td><td></td></tr>
</table>

				Exposure time: 1 week temperature: 10 -15 °C % of efficacy = [(population trapped with attractant - population trapped without attractant) / population trapped with attractant] x 100.		
PT19 : attractant for flies, fruit flies and wasps in and outdoor	WASP AND FLY LURE powder (97.19% D-Fructose and 2.8% acetic acid)	*Musca domestica* #210	Lab trial choice trial Y-shaped olfactometer	**Test system:** Insects are released in the middle cage, allowing to choose between two opposite directions (1 with bait, 1 with water). **Concentrations applied:** 50g product was diluted in 400 ml water. Negative control contains 400 ml water. **Exposure time:** 1 week RH : 40 – 50% Temperature : 22 – 25°C 1 replicate	number of flies in cages after 1 week: - product: 130 - negative control: 39 41 flies did not make a choice (inactive flies). **conclusion**: Out of the 169 flies that make a choice, 130 (76.9%) of those flies chose the side of the attractant.	[redacted]
PT19 : attractant for flies, fruit flies and wasps in and outdoor	WASP AND FLY LURE powder (97.19% D-Fructose and 2.8% acetic acid)	*Vespula vulgaris* *Vespa crabo* *Calliphora vomitoria* *Vespa velutina* *Musca domestica*	Field trial France, border of garden and forest	**Test system:** 6 traps were hanged on sticks, at a height of at least 1.3 m from ground level to avoid manipulation by animals or people. Traps were placed at least 8 meters away from each other's to avoid interference. **Concentrations applied:**	number of insects trapped after 8 days: | | # | | *Vespula vulgaris* | 12 | | *Vespa crabo* | 1 | | *Calliphora vomitoria* | 8 | | *Vespa velutina* | 1 | | *Musca domestica* | 8 | 1 control trap caught 1 bee. **conclusion:** Several flying insects are	[redacted]

				50g product was diluted in 400 ml water. Negative control contains 400 ml water. **Exposure time:** 8 days	attracted to the wasp and fly lure, including the wasp and fly species mentioned above. As different insects were caught in the negative control traps, no statistical analysis is possible.	

Conclusion on the efficacy of the product

Meta SPC 1:

To support the efficacy of products of Meta SPC 1 (concentrated liquid), 2 lab trials, 1 semi-field and 3 field trials are submitted. Lab trials (olfactory y-tube testing) shows 76% efficacy for fruit flies ([redacted]), and 78% for *Musca domestica* ([redacted]). Semi field trial with fruit flies on undiluted product has shown strong fruit fly preference for traps with attractant, as opposed to traps filled with water [redacted].

The field trials showed the ability of the traps to catch several fly and wasp species (BAS052021.7, BAS052021.8 and BAS052021.19)

Meta SPC 2:

For products of Meta SPC 2 (RTU liquid), the in use concentration of D-fructose is higher than for products of the Meta SPC 1 (15.51% versus 12.75%), except for use against fruit flies. Therefore, the data package of meta SPC 1 is used to support the efficacy of the products of Meta SPC 2 agains flies and wasps.

For use of the RTU liquid against fruit flies, a lab and a field trial are submitted. The lab trial (olfactory y-tube testing; ([redacted]) shows 83% efficacy, and the field trial clearly shows the fruit fly preference for the attractant ([redacted]).

Meta SPC 3:

To support the efficacy of the products of the Meta SPC 3 (soluble powder), 2 field trials and 1 lab trial are submitted. The lab trial (olfactory y-tube testing; ([redacted]) on flies (*Musca domestica*) shows 77% efficacy. A field trial on *Musca domestica* shows 90% efficacy against flies ([redacted]). Another field trial shows the ability of the diluted powder to attract various wasp species into the traps ([redacted]).