

Commission Directive 2008/127/EC of 18 December 2008 amending Council Directive 91/414/EEC to include several active substances (Text with EEA relevance)

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THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to Council Directive 91/414/EEC of 15 July 1991 concerning the placing of plant protection products on the market<sup>(1)</sup>, and in particular Article 6(1) thereof,

Whereas:

- (1) Commission Regulations (EC) No 1112/2002<sup>(2)</sup> and (EC) No 2229/2004<sup>(3)</sup> lay down the detailed rules for the implementation of the fourth stage of the programme of work referred to in Article 8(2) of Directive 91/414/EEC and establish a list of active substances to be assessed, with a view to their possible inclusion in Annex I to Directive 91/414/EEC. That list includes the active substances listed in the Annex to this Directive.
- (2) By Regulation (EC) No 1095/2007<sup>(4)</sup> a new Article 24b was inserted into Regulation (EC) No 2229/2004 to allow active substances for which there are clear indications that it may be expected that they do not have any harmful effects on human or animal health or on groundwater or any unacceptable influence on the environment, to be included in Annex I to Directive 91/414/EEC without detailed scientific advice from the European Food Safety Authority (EFSA) having been sought.
- (3) For the active substances listed in the Annex to this Directive the Commission examined in accordance with Article 24a of Regulation (EC) No 2229/2004 the effects on human, animal health, groundwater and the environment for a range of uses proposed by the notifiers, with the conclusion that those active substances satisfy the requirements of Article 24b of Regulation (EC) No 2229/2004.
- (4) In accordance with Article 25(1) of Regulation (EC) No 2229/2004 the Commission has submitted draft review reports for the active substances listed in the Annex to this Directive to the Standing Committee on the Food Chain and Animal Health, for examination. Those reports have been reviewed by the Member States and the Commission within the Standing Committee on the Food Chain and Animal Health and finalised on 28 October 2008 in the format of the Commission review reports. In accordance with Article 25a of Regulation (EC) No 2229/2004 the Commission is to request the EFSA to deliver its view on the draft review reports by 31 December 2010 at the latest.

- (5) It has appeared from the various examinations made that plant protection products containing the active substances listed in the Annex to this Directive may be expected to satisfy, in general, the requirements laid down in Article 5(1)(a) and (b) of Directive 91/414/EEC, in particular with regard to the uses which have been examined and detailed in the Commission review report. It is therefore appropriate to include in Annex I to that Directive the active substances listed in the Annex to this Directive, in order to ensure that in all Member States the authorisations of plant protection products containing this active substance can be granted in accordance with the provisions of that Directive.
- (6) A reasonable period should be allowed to elapse before an active substance is included in Annex I in order to permit Member States and the interested parties to prepare themselves to meet the new requirements which will result from the inclusion.
- (7) Without prejudice to the obligations defined by Directive 91/414/EEC as a consequence of including an active substance in Annex I, Member States should be allowed a period of six months after inclusion to review existing authorisations of plant protection products containing the active substances listed in the Annex to ensure that the requirements laid down by Directive 91/414/EEC, in particular in its Article 13 and the relevant conditions set out in Annex I, are satisfied. Member States should vary, replace or withdraw, as appropriate, existing authorisations, in accordance with the provisions of Directive 91/414/EEC. By derogation from the above deadline, a longer period should be provided for the submission and assessment of the complete Annex III dossier of each plant protection product for each intended use in accordance with the uniform principles laid down in Directive 91/414/EEC.
- (8) The experience gained from previous inclusions in Annex I to Directive 91/414/EEC of active substances assessed in the framework of Regulation (EEC) No 3600/92 has shown that difficulties can arise in interpreting the duties of holders of existing authorisations in relation to access to data. In order to avoid further difficulties it therefore appears necessary to clarify the duties of the Member States, especially the duty to verify that the holder of an authorisation demonstrates access to a dossier satisfying the requirements of Annex II to that Directive. However, this clarification does not impose any new obligations on Member States or holders of authorisations compared to the directives that have been adopted until now amending Annex I.
- (9) It is therefore appropriate to amend Directive 91/414/EEC accordingly.
- (10) The measures provided for in this Directive are in accordance with the opinion of the Standing Committee on the Food Chain and Animal Health,

HAS ADOPTED THIS DIRECTIVE:

*Article 1*

Annex I to Directive 91/414/EEC is amended as set out in the Annex to this Directive.

## *Article 2*

Member States shall adopt and publish by 28 February 2010 at the latest the laws, regulations and administrative provisions necessary to comply with this Directive. They shall forthwith communicate to the Commission the text of those provisions and a correlation table between those provisions and this Directive.

They shall apply those provisions from 1 March 2010.

When Member States adopt those provisions, they shall contain a reference to this Directive or be accompanied by such a reference on the occasion of their official publication. Member States shall determine how such reference is to be made.

## *Article 3*

1 Member States shall in accordance with Directive 91/414/EEC, where necessary, amend or withdraw existing authorisations for plant protection products containing the active substances listed in the Annex as active substances by 28 February 2010.

By that date they shall in particular verify that the conditions in Annex I to that Directive relating to the active substances listed in the Annex are met, with the exception of those identified in part B of the entry concerning that active substance, and that the holders of the authorisations have, or have access to, dossiers satisfying the requirements of Annex II to that Directive in accordance with the conditions of Article 13 of that Directive.

2 By way of derogation from paragraph 1, for each authorised plant protection product containing one of the active substances listed in the Annex as either the only active substance or as one of several active substances all of which were listed in Annex I to Directive 91/414/EEC by 31 August 2009 at the latest, Member States shall re-evaluate the product in accordance with the uniform principles provided for in Annex VI to Directive 91/414/EEC, on the basis of a dossier satisfying the requirements of Annex III to that Directive and taking into account part B of the entry in Annex I to that Directive concerning the active substances listed in the Annex. On the basis of that evaluation, they shall determine whether the product satisfies the conditions set out in Article 4(1)(b), (c), (d) and (e) of Directive 91/414/EEC.

Following that determination Member States shall:

- a in the case of a product containing one of the active substances listed in the Annex as the only active substance, where necessary, amend or withdraw the authorisation by 31 August 2015 at the latest; or
- b in the case of a product containing one of the active substances listed in the Annex as one of several active substances, where necessary, amend or withdraw the authorisation by 31 August 2015 or by the date fixed for such an amendment or withdrawal in the respective Directive or Directives which added the relevant substance or substances to Annex I to Directive 91/414/EEC, whichever is the latest.

## *Article 4*

This Directive shall enter into force on 1 September 2009.

## *Article 5*

This Directive is addressed to the Member States.

Done at Brussels, 18 December 2008.

*For the Commission*

Androulla VASSILIOU

*Member of the Commission*

## ANNEX

The following entry shall be added at the end of the table in Annex I to Directive 91/414/EC:

No	Common Name, Identification Numbers	IUPAC Name	Purity <sup>a</sup>	Entry into force	Expiration of inclusion	Specific provisions
'224	Acetic acid CAS No: 64-19-7 CIPAC No: not allocated	Acetic acid	≥ 980 g/kg	1 September 2009	31 August 2019	<p>PART A Only uses as herbicide may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on acetic acid (SANCO/2602/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on</p>

<sup>a</sup> Further details on identity and specification of active substance are provided in the review report.

						<p>the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
225	Aluminium ammonium sulphate CAS No: 7784-26-1 CIPAC No: not allocated	Aluminium ammonium sulphate	≥ 960 g/kg	1 September 2009	31 August 2019	<p>PART A Only uses as repellent may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on aluminium ammonium sulphate (SANCO/2985/2008) and in particular</p>

**a** Further details on identity and specification of active substance are provided in the review report.

						<p>Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
226	Aluminium silicate CAS No: 1332-58-7 CIPAC No: not allocated	Not available Chemical name: Kaolin	$\geq 999,8$ g/kg	1 September 2009	31 August 2019	<p>PART A Only uses as repellent may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions</p>

**a** Further details on identity and specification of active substance are provided in the review report.

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						of the review report on aluminium silicate (SANCO/2603/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
227	Ammonium acetate CAS No: 631-61-8 CIPAC No: not allocated	Ammonium acetate	≥ 970 g/kg Relevant impurity: Heavy metals as Pb maximum 10 ppm	1 September 2009	31 August 2019	PART A Only uses as attractant may be authorised.

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**a** Further details on identity and specification of active substance are provided in the review report.

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						<p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on ammonium acetate (SANCO/2986/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk</p>
<b>a</b>	Further details on identity and specification of active substance are provided in the review report.					

						mitigation measures.
228	Blood meal CAS No: not allocated CIPAC No: not allocated	Not available	≥ 990 g/kg	1 September 2009	31 August 2019	<p>PART A Only uses as repellent may be authorised. Blood meal must be in compliance with Regulation (EC) No 1774/2002.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on blood meal (SANCO/2604/2008) and in particular Appendices I and II thereof, as finalised</p>

**a** Further details on identity and specification of active substance are provided in the review report.

						<p>in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
229	<p>Calcium carbide CAS No: 75-20-7 CIPAC No: not allocated</p>	<p>Calcium carbide Calcium acetylide</p>	<p>≥ 765 g/kg Containing 0,08-0,52 g/kg Calcium Phosphide</p>	<p>1 September 2009</p>	<p>31 August 2019</p>	<p>PART A Only uses as repellent may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on calcium carbide</p>

**a** Further details on identity and specification of active substance are provided in the review report.

						(SANCO/2605/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.  Conditions of use shall include, where appropriate, risk mitigation measures.
230	Calcium carbonate CAS No: 471-34-1 CIPAC No: not allocated	Calcium carbonate	$\geq 995$ g/kg	1 September 2009	31 August 2019	PART A Only uses as repellent may be authorised.  PART B For the implementation of the uniform principles of

**a** Further details on identity and specification of active substance are provided in the review report.

						Annex VI, the conclusions of the review report on calcium carbonate (SANCO/2606/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
231	Carbon dioxide CAS No: 124-38-9	Carbon dioxide	≥ 99,9 %	1 September 2009	31 August 2019	PART A Only uses as fumigant may

a Further details on identity and specification of active substance are provided in the review report.

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be authorised.

PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on carbon dioxide (SANCO/2987/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.

Conditions of use shall include,

**a** Further details on identity and specification of active substance are provided in the review report.

						where appropriate, risk mitigation measures.
232	Denathonium benzoate CAS No: 3734-33-6 CIPAC No: not allocated	Benzyldiethylxylylcarbamoyl]methyl]am benzoate	[295 g/kg	1 September 2009	31 August 2019	PART A Only uses as repellent may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on denathonium benzoate (SANCO/2607/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain

**a** Further details on identity and specification of active substance are provided in the review report.

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						and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
233	Ethylene CAS No: 74-85-1 CIPAC No: not allocated	Ethene	≥ 99 %	1 September 2009	31 August 2019	PART A Only uses as plant growth regulator may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on ethylene (SANCO/2608/2008) and in particular Appendices I and

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**a** Further details on identity and specification of active substance are provided in the review report.

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						<p>II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
234	<p>Extract from tea tree CAS No: Tee Tree Oil 68647-73-4 Main components:</p>	<p>Tee Tree Oil is a complex mixture of chemical substances.</p> <p>terpinen-4-ol 562-74-3 γ-terpinene 99-85-4 α-terpinene 99-86-5 1,8-cineol 470-82-6</p>	<p>Main components:</p> <p>terpinen-4-ol ≥ 300 g/kg γ-terpinene ≥ 100 g/kg α-terpinene ≥ 50 g/kg 1,8-cineol trace</p>	<p>1 September 2004</p>	<p>31 August 2019</p>	<p>PART A Only uses as fungicide may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review</p>

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	CIPAC No: not allocated					report on extract from tea tree (SANCO/2609/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.  Conditions of use shall include, where appropriate, risk mitigation measures.
235	Fat distillation residues CAS No: not allocated CIPAC No: not allocated	Not available	≥ 40 % of cleaved fatty acids Relevant impurity: Ni maximum 200 mg/kg	1 September 2009	31 August 2019	PART A Only uses as repellent may be authorised. Fat distillation residues

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**a** Further details on identity and specification of active substance are provided in the review report.

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of animal origin must be in compliance with Regulation (EC) No 1774/2002.

PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on fat distillation residues (SANCO/2610/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain

**a** Further details on identity and specification of active substance are provided in the review report.

						and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
236	Fatty acids C <sub>7</sub> to C <sub>20</sub> CAS No: 112-05-0 (Pelargonic Acid) 67701-09-1 (Fatty acids C <sub>7</sub> -C <sub>18</sub> and C <sub>18</sub> unsaturated potassium salts) 124-07-2 (Caprylic Acid) 334-48-5 (Capric Acid) 143-07-7 (Lauric Acid) 112-80-1 (Oleic Acid) 85566-26-3 (Fatty acids C <sub>8</sub> -C <sub>10</sub> Me esters) 111-11-5 (Methyl octanoate) 110-42-9 (Methyl decanoate)	Nonanoic acid Caprylic Acid, Pelargonic Acid, Capric Acid, Lauric Acid, Oleic Acid (ISO in each case) Octanoic Acid, Nonanoic Acid, Decanoic Acid, Dodecanoic Acid, cis-9-Octadecenoic Acid (IUPAC in each case) Fatty acids, C <sub>7</sub> -C <sub>10</sub> , Me esters	≥ 889 g/kg (Pelargonic Acid) ≥ 838 g/kg fatty acids ≥ 99 % fatty acid methyl esters	1 September 2009	31 August 2019	PART A Only uses as insecticide, acaricide, and herbicide and plant growth regulator may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on fatty acids (SANCO/2610/2008)

**a** Further details on identity and specification of active substance are provided in the review report.

	CIPAC No: not allocated					and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.  Conditions of use shall include, where appropriate, risk mitigation measures.
237	Garlic extract CAS No: 8008-99-9 CIPAC No: not allocated	Food grade garlic juice concentrate	≥ 99,9 %	1 September 2009	31 August 2019	PART A Only uses as repellent, insecticide and nematicide may be authorised.  PART B For the implementation of the uniform

**a** Further details on identity and specification of active substance are provided in the review report.

						principles of Annex VI, the conclusions of the review report on garlic extract (SANCO/2612/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
238	Gibberellic acid	(3S,3aS,4S,4aS,8S,9R,9bR,12S)-7,12-dihydroxy-3-methyl-6-	2009	September 2009	31 August 2019	PART A Only uses as

**a** Further details on identity and specification of active substance are provided in the review report.

<p>CAS No: 77-06-5 CIPAC No: 307</p>	<p>methylene-2-oxoperhydro-4a,7-methano-9b,3-propenol(1,2-b)furan-4-carboxylic acid Alt: (3S,3aR,4S,4aS,6S,8aR,8bR,11S)-6,11-dihydroxy-3-methyl-12-methylene-2-oxo-4a,6-methano-3,8b-prop-1enoperhydroindenol (1,2-b)furan-4-carboxylic acid</p>		<p>plant growth regulator may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on gibberellic acid (SANCO/2613/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken</p>
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**a** Further details on identity and specification of active substance are provided in the review report.

						into account. Conditions of use shall include, where appropriate, risk mitigation measures.
239	Gibberellins CAS No: GA4: 468-44-0 GA7: 510-75-8 GA4A7 mixture: 8030-53-3 CIPAC No: not allocated	GA4: (3S,3aR,4S,4aR,7R,9aR,9bR,12S)-12-hydroxy-3-methyl-6-methylene-2-oxoperhydro-4a,7-methano-3,9b-propanoazuleno[1,2-b]furan-4-carboxylic acid GA7: (3S,3aR,4S,4aR,7R,9aR,9bR,12S)-12-hydroxy-3-methyl-6-methylene-2-oxoperhydro-4a,7-methano-9b,3-propenoazuleno[1,2-b]furan-4-carboxylic acid	Review 1 September 2008 (SANCO/2614/2008).	31 August 2019	PART A Only uses as plant growth regulator may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on gibberellins (SANCO/2614/2008) and in particular Appendices I and II thereof, as finalised in the	

**a** Further details on identity and specification of active substance are provided in the review report.



						<p>Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
240	<p>Hydrolised proteins Beet molasses urea hydrolysate Collagen protein hydrolysate CAS No: not allocated CIPAC No: not allocated</p>	Not available	<p>Beet molasses urea hydrolysate: minimum Crude Protein Equivalent: 360 g/kg (36 % w/w) Collagen protein hydrolysate: organic nitrogen content &gt; 240 g/kg</p>	1 September 2009	31 August 2019	<p>PART A Only uses as attractant may be authorised. Hydrolised proteins of animal origin must be in compliance with Regulation (EC) No 1774/2002</p> <p>PART B For the implementation of the uniform principles</p>

**a** Further details on identity and specification of active substance are provided in the review report.

						of Annex VI, the conclusions of the review report on hydrolysed proteins (SANCO/2615/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
241	Iron sulphate Iron(II)sulphate anhydrous:	Iron (II) sulfate	Iron(II)sulphate anhydrous $\geq 367,5$ g/kg	September 2009	31 August 2019	PART A Only uses as herbicide

**a** Further details on identity and specification of active substance are provided in the review report.

<p>CAS No: 7720-78-7 Iron(II)sulphate monohydrate: CAS No: 17375-41-6 Iron(II)sulphate heptahydrate: CAS No: 7782-63-0 CIPAC No: not allocated</p>		<p>Iron(II)sulphate monohydrate ≥ 300 g/kg Iron(II)sulphate heptahydrate ≥ 180 g/kg</p>			<p>may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on iron sulphate (SANCO/2616/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall</p>
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						include, where appropriate, risk mitigation measures.
242	Kieselgur (Diatomaceous earth) CAS No: 61790-53-2 CIPAC No: 647	Kieselgur (diatomaceous earth)	920 ± 20 g SiO <sub>2</sub> /kg DE Maximum 0,1 % of particles of Crystalline Silica (with diameter below 50 um.)	1 September 2009	31 August 2019	<p>PART A Only uses as insecticide and acaricide may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on kieselgur (SANCO/2617/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the</p>

**a** Further details on identity and specification of active substance are provided in the review report.

						<p>Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
243	Limestone CAS No: 1317-65-3 CIPAC No: not allocated	not available	≥ 980 g/kg	1 September 2009	31 August 2019	<p>PART A Only uses as repellent may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on limestone (SANCO/2618/2008) and in particular Appendices I and</p>

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						<p>II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
244	Methyl nonyl ketone CAS No: 112-12-9 CIPAC No: not allocated	Undecan-2-one	$\geq 975\text{g/kg}$	1 September 2009	31 August 2019	<p>PART A Only uses as repellent may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review</p>

**a** Further details on identity and specification of active substance are provided in the review report.

						<p>report on methylnonyl ketone (SANCO/2619/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
245	Pepper CAS No: not allocated CIPAC No: not allocated	Black pepper — Piper nigrum	It is a complex mixture of chemical substances, the component piperine as marker should be minimum 4 %	1 September 2009	31 August 2019	<p>PART A Only uses as repellent may be authorised.</p> <p>PART B For the implementation of</p>

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the uniform principles of Annex VI, the conclusions of the review report on pepper (SANCO/2620/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.

Conditions of use shall include, where appropriate, risk mitigation measures.

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246	Plant oils/ citronella oil CAS No: 8000-29-1 CIPAC No: not allocated	Citronella Oil is a complex mixture of chemical substances. The main components are:  Citronellal (3,7- dimethyl-6- octenal). Geraniol ((E)-3,7- dimethyl-2,6- octadien-1- ol). Citronellol (3,7- dimethyl-6- octan-2- ol). Geranyl acetate (3,7- dimethyl-6- octen-1-yl acetate).	Relevant impurities methyl eugenol and methyl- isoeugenol maximum 0,1 %.	1 September 2009	31 August 2019	PART A Only uses as herbicide may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on citronella oil (SANCO/2621/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken
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a Further details on identity and specification of active substance are provided in the review report.

						into account. Conditions of use shall include, where appropriate, risk mitigation measures.
247	Plant oils/ clove oil CAS No: 94961-50-2 (clove oil) 97-53-0 (Eugenol — main component) CIPAC No: not allocated	Clove Oil is a complex mixture of chemical substances. The main component is eugenol.	≥ 800 g/kg	1 September 2009	31 August 2019	PART A Only uses as fungicide and bactericide may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on clove oil (SANCO/2622/2008) and in particular Appendices I and II thereof, as finalised in

**a** Further details on identity and specification of active substance are provided in the review report.

						<p>the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
248	<p>Plant oils/rape seed oil CAS No: 8002-13-9 CIPAC No: not allocated</p>	Rape seed oil	Rape seed oil is a complex mixture of fatty acids	1 September 2009	31 August 2019	<p>PART A Only uses as insecticide and acaricide may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on rape</p>

**a** Further details on identity and specification of active substance are provided in the review report.

						seed oil (SANCO/2623/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
249	Plant oils/ spear mint oil CAS No: 8008-79-5 CIPAC No: not allocated	Spearmint oil	$\geq 550$ g/ kg as L- Carvone	1 September 2009	31 August 2019	PART A Only uses as plant growth regulator may be authorised.  PART B For the implementation of

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the uniform principles of Annex VI, the conclusions of the review report on spearmint oil (SANCO/2624/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.

Conditions of use shall include, where appropriate, risk mitigation measures.

**a** Further details on identity and specification of active substance are provided in the review report.

250	Potassium hydrogen carbonate CAS No: 298-14-6 CIPAC No: not allocated	Potassium hydrogen carbonate	≥ 99,5 %	1 September 2009	31 August 2019	<p>PART A Only uses as fungicide may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on potassium hydrogen carbonate (SANCO/2625/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be</p>
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**a** Further details on identity and specification of active substance are provided in the review report.

						taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
251	Putrescin (1,4-Diaminobutane) CAS No: 110-60-1 CIPAC No: not allocated	Butane-1,4-diamine	≥ 990 g/kg	1 September 2009	31 August 2019	PART A Only uses as attractant may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on putrescin (SANCO/2626/2008) and in particular Appendices I and II thereof, as finalised in the Standing

**a** Further details on identity and specification of active substance are provided in the review report.

						<p>Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
252	<p>Pyrethrins CAS No: (A) and (B): Pyrethrins: 8003-34-7 Extract A: extractives of Chrysanthemum cinerariaefolium: 89997-63-7 pyrethrin 1: CAS 121-21-1 pyrethrin 2: CAS 121-29-9 cinerin 1: CAS 25402-06-6 cinerin 2: CAS 121-20-0 jasmolin 1: CAS 4466-14-2 jasmolin 2: CAS 1172-63-0</p>	<p>Pyrethrins are a complex mixture of chemical substances.</p>	<p>Extract A: <math>\geq 500</math> g/kg Pyrethrins Extract B: <math>\geq 480</math> g/kg Pyrethrins</p>	<p>1 September 2009</p>	<p>31 August 2019</p>	<p>PART A Only uses as insecticide may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on pyrethrins (SANCO/2627/2008) and in particular</p>

**a** Further details on identity and specification of active substance are provided in the review report.



	Extract B: pyrethrin 1: CAS 121-21-1 pyrethrin 2: CAS 121-29-9 cinerin 1: CAS 25402-06-6 cinerin 2: CAS 121-20-0 jasmolin 1: CAS 4466-14-2 jasmolin 2: CAS 1172-63-0 CIPAC No 32					Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.  Conditions of use shall include, where appropriate, risk mitigation measures.
253	Quartz sand CAS No: 14808-60-7 CIPAC No: not allocated	Quartz, Quartz, Siliciumdioxid, Silica, Silicon dioxide, SiO <sub>2</sub>	≥ 915 g/kg Maximum 0,1 % of particles of Crystalline Silica (with diameter below 50 um.)	1 September 2009	31 August 2019	PART A Only uses as repellent may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions

**a** Further details on identity and specification of active substance are provided in the review report.

						of the review report on quartz sand (SANCO/2628/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
254	Repellents by smell of animal or plant origin/fish oil CAS No: 100085-40-3	Fish Oil	≥ 99 %	1 September 2009	31 August 2019	PART A Only uses as repellent may be authorised. Fish oil

**a** Further details on identity and specification of active substance are provided in the review report.

CIPAC No: not allocated					must be in compliance with Regulation (EC) No 1774/2002  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on fish oil (SANCO/2629/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall
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**a** Further details on identity and specification of active substance are provided in the review report.

						be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
255	Repellents by smell of animal or plant origin/ sheep fat CAS No: 98999-15-6 CIPAC No: not allocated	Sheep Fat	Pure sheep fat containing a maximum of 0,18 % w/w/water.	1 September 2009	31 August 2019	PART A Only uses as repellent may be authorised. Sheep fat must be in compliance with Regulation (EC) No 1774/2002  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on sheep fat (SANCO/2630/2008)

**a** Further details on identity and specification of active substance are provided in the review report.

						<p>and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
256	Repellents by smell of animal or plant origin/tall oil crude CAS No: 8002-26-4 CIPAC No: not allocated	Tall Oil Crude	Tall oil crude is a complex mixture of tall rosin and fatty acids	1 September 2009	31 August 2019	<p>PART A Only uses as repellent may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex</p>

**a** Further details on identity and specification of active substance are provided in the review report.

						VI, the conclusions of the review report on tall oil crude (SANCO/2631/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.  Conditions of use shall include, where appropriate, risk mitigation measures.
257	Repellents by smell of animal or plant origin/tall	Tall Oil Pitch	Complex mixture of esters of fatty acids, rosin	1 September 2009	31 August 2019	PART A Only uses as repellent may

**a** Further details on identity and specification of active substance are provided in the review report.

<p>oil pitch CAS No: 8016-81-7 CIPAC No: not allocated</p>		<p>and small amounts of dimers and trimers of resin acids and fatty acids.</p>			<p>be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on tall oil pitch (SANCO/2632/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall</p>
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**a** Further details on identity and specification of active substance are provided in the review report.

						include, where appropriate, risk mitigation measures.
258	Sea-algae extract (formerly sea algae extract and sea weeds) CAS No: not allocated CIPAC No: not allocated	See algae extract	See algae extract is a complex mixture. Main components as markers: mannitol, fucoidans and alginates. Review report SANCO/2634/2008	1 September 2009	31 August 2019	PART A Only uses as plant growth regulator may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on sea algae extract (SANCO/2634/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee

**a** Further details on identity and specification of active substance are provided in the review report.



						<p>on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
259	<p>Sodium aluminium silicate CAS No: 1344-00-9 CIPAC No: not allocated</p>	<p>Sodium aluminium silicate: <math>\text{Na}_x[(\text{AlO}_2)_x(\text{SiO}_2)_y] \times z\text{H}_2\text{O}</math></p>	1 000 g/kg	1 September 2009	31 August 2019	<p>PART A Only uses as repellent may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on sodium aluminium silicate (SANCO/2635/2008) and in</p>

**a** Further details on identity and specification of active substance are provided in the review report.

						<p>particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
260	Sodium Hypochlorite CAS No: 7681-52-9 CIPAC No: not allocated	Sodium Hypochlorite	10 % (w/w) expressed as chlorine	1 September 2009	31 August 2019	<p>PART A Only uses as disinfectant may be authorised.</p> <p>PART B For the implementation of the uniform principles of Annex VI, the</p>

**a** Further details on identity and specification of active substance are provided in the review report.

						<p>conclusions of the review report on sodium hypochlorite (SANCO/2988/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
261	<p>Straight Chain Lepidopteran Pheromones</p> <p>(E)-5-decen-1-yl acetate</p>	<p>Acetate group:</p> <p>(E)-5-decen-1-yl acetate</p>	<p>Review report (SANCO/2632/2008)</p>	<p>1 September 2008</p>	<p>31 August 2019</p>	<p>PART A Only uses as attractants may be authorised.</p>

**a** Further details on identity and specification of active substance are provided in the review report.

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CAS No: 38421-90-8 CIPAC No: not allocated					<p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on straight chain lepidopteran pheromones (SANCO/2633/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include,</p>
(E)-8-dodecen-1-yl acetate CAS No: 38363-29-0 CIPAC No: not allocated	(E)-8-dodecen-1-yl acetate				
(E/Z)-8-dodecen-1-yl acetate CAS No: not available CIPAC No: not available	(E/Z)-8-dodecen-1-yl acetate as individual isomers				
(Z)-8-dodecen-1-yl acetate CAS No: 28079-04-1 CIPAC No: not allocated	(Z)-8-dodecen-1-yl acetate				
(Z)-9-dodecen-1-yl acetate CAS No: 16974-11-1 CIPAC No: 422	(Z)-9-dodecen-1-yl acetate				
(E,Z)-7,9-dodecadien-1-yl acetate CAS No: 54364-62-4 CIPAC No: not allocated	(E,Z)-7,9-dodecadien-1-yl acetate				
(E)-11-tetradecen-1-yl acetate	(E)-11-tetradecen-1-yl acetate				

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**a** Further details on identity and specification of active substance are provided in the review report.

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CAS No: 33189-72-9 CIPAC No: not allocated					where appropriate, risk mitigation measures.
(Z)-9- tetradecen-1- yl acetate CAS No: 16725-53-4 CIPAC No: not allocated	(Z)-9- tetradecen-1- yl acetate				
(Z)-11- tetradecen-1- yl acetate CAS No: 20711-10-8 CIPAC No: not allocated	(Z)-11- tetradecen-1- yl acetate				
(Z, E)-9, 12- tetradecadien-1- yl acetate CAS No: 31654-77-0 CIPAC No: not allocated	(Z, E)-9, 12- tetradecadien-1- yl acetate				
Z-11- hexadecen-1- yl acetate CAS No: 34010-21-4 CIPAC No: not allocated	Z-11- hexadecen-1- yl acetate				
(Z, E)-7, 11- hexadecadien-1- yl acetate CAS No: 51606-94-4 CIPAC No: not allocated	Z, E)-7, 11- hexadecadien-1- yl acetate				

**a** Further details on identity and specification of active substance are provided in the review report.

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(E, Z)-2,13-octadecadien-1-yl acetate. CAS No: 86252-65-5 CIPAC No: not allocated	(E, Z)-2,13-octadecadien-1-yl acetate.			
Alcohol group:	Alcohol group:			
(E)-5-decen-1-ol CAS No: 56578-18-8 CIPAC No: not allocated	(E)-5-decen-1-ol			
(Z)-8-dodecen-1-ol CAS No: 40642-40-8 CIPAC No: not allocated	(Z)-8-dodecen-1-ol			
(E,E)-8,10-dodecadien-1-ol CAS No: 33956-49-9 CIPAC No: not allocated	(E,E)-8,10-dodecadien-1-ol			
tetradecan-1-ol CAS No: 112-72-1 CIPAC No: not allocated	tetradecan-1-ol			
(Z)-11-hexadecen-1-ol CAS No: 56683-54-6	(Z)-11-hexadecen-1-ol			

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**a** Further details on identity and specification of active substance are provided in the review report.

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CIPAC No: not allocated					
Aldehyde group:	Aldehyde group:				
(Z)-7-tetradecenal CAS No: 65128-96-3 CIPAC No: not allocated	(Z)-7-tetradecenal				
(Z)-9-hexadecenal CAS No: 56219-04-6 CIPAC No: not allocated	(Z)-9-hexadecenal				
(Z)-11-hexadecenal CAS No: 53939-28-9 CIPAC No: not allocated	(Z)-11-hexadecenal				
(Z)-13-octadecenal CAS No: 58594-45-9 CIPAC No: not allocated	(Z)-13-octadecenal				
Blends acetates:	Blends acetates:				
i) (Z)-8-dodecen-1-yl acetate CAS No: 28079-04-1 CIPAC No: not allocated	(Z)-8-dodecen-1-yl acetate				
and ii) Dodecyl acetate	and ii) Dodecyl acetate;				

**a** Further details on identity and specification of active substance are provided in the review report.

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CAS No: 112-66-3 CIPAC No: not allocated;					
i) (Z)-9- dodecen-1- yl acetate CAS No: 16974-11-1 CIPAC No: 422 and	(Z)-9- dodecen-1- yl acetate and	(Z)-9- dodecen-1- yl acetate			
ii) Dodecyl acetate CAS No: 112-66-3 CIPAC No: 422;	Dodecyl acetate	Dodecyl acetate;			
i) (E,Z)-7,9- dodecadien-1- yl acetate CAS No: 55774-32-8 CIPAC No: not allocated and	(E,Z)-7,9- dodecadien-1- yl acetate and	(E,Z)-7,9- dodecadien-1- yl acetate,			
ii) (E,E)-7,9- dodecadien-1- yl acetate CAS No: 54364-63-5 CIPAC No: not allocated;	(E,E)-7,9- dodecadien-1- yl acetate	(E,E)-7,9- dodecadien-1- yl acetate;			
i) (Z,Z)-7,11- hexadecadien-1- yl acetate and	(Z,Z)-7,11- hexadecadien-1- yl acetate and	(Z,Z)-7,11- hexadecadien-1- yl acetate			

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**a** Further details on identity and specification of active substance are provided in the review report.

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ii)	(Z, <del>E</del> )-7,11-hexadecadienyl acetate	(Z,E)-7,11-hexadecadienyl acetate;			
CAS No: i) & ii) 53042-79-8 CAS No: i) 52207-99-5 CAS No: ii) 51606-94-4 CIPAC No: not allocated;					
Blends aldehydes:	Blends aldehydes:				
i)	(Z)- <del>9</del> -hexadecenal	(Z)-9-hexadecenal and			
CAS No: 56219-04-6 CIPAC No: not allocated and					
ii)	(Z)- <del>11</del> -hexadecenal	(Z)-11-hexadecenal and			
CAS No: 53939-28-9 CIPAC: not allocated and					
iii)	(Z)- <del>13</del> -octadecenal	(Z)-13-octadecenal;			
CAS No: 58594-45-9 CIPAC No: not allocated;					
Blends mixtures:	Blends mixtures:				
i)	(E)- <del>5</del> -decen-1-yl acetate	(E)-5-decen-1-yl			

a Further details on identity and specification of active substance are provided in the review report.

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CAS No: 38421-90-8 CIPAC No: not allocated and		acetate and			
ii) (E)- <del>ñ</del> decen-1- ol CAS No: 56578-18-8 CIPAC No: not allocated;		(E)-5- decen-1- ol;			
i) (E/ i) Z)-8- dodecen-1- yl acetate CAS No: as individual isomers CIPAC No: not allocated; and	and	(E/ Z)-8- dodecen-1- yl acetate			
i) (E)- <del>ñ</del> dodecen-1- yl acetate CAS No: (E) 38363-29-0 CIPAC No: not allocated and	and	(E)-8- dodecen-1- yl acetate			
i) (Z)- <del>ñ</del> dodecen-1- yl acetate CAS No: (Z) 28079-04-1 CIPAC No: not allocated	and	(Z)-8- dodecen-1- yl acetate			

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**a** Further details on identity and specification of active substance are provided in the review report.

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	and					
	ii) (Z)-8-dodecen-1-ol CAS No: ii) 40642-40-8 CIPAC No: not allocated;	(E)-8-dodecen-1-ol;				
	i) (Z)-11-hexadecenal CAS No: 53939-28-9 CIPAC No: not allocated and	(Z)-11-hexadecenal and				
	ii) (Z)-11-hexadecen-1-yl acetate CAS No: 34010-21-4 CIPAC No: not allocated	(Z)-11-hexadecen-1-yl acetate				
262	Trimethylamine hydrochloride CAS No: 593-81-7 CIPAC No: not allocated	Trimethylamine hydrochloride	988 g/kg	1 September 2009	31 August 2019	PART A Only uses as attractant may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of

a Further details on identity and specification of active substance are provided in the review report.

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						<p>the review report on trimethylamine hydrochloride (SANCO/2636/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk mitigation measures.</p>
263	Urea CAS No: 57-13-6 CIPAC No: 8352	Urea	$\geq 98$ % w/ w	1 September 2009	31 August 2019	PART A Only uses as attractant and fungicide may be authorised.

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**a** Further details on identity and specification of active substance are provided in the review report.

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						<p>PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on urea (SANCO/2637/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.</p> <p>Conditions of use shall include, where appropriate, risk</p>
<p><b>a</b> Further details on identity and specification of active substance are provided in the review report.</p>						

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						mitigation measures.
264	Z-13- hexadecen-11- yn-1-yl acetate CAS No: 78617-58-0 CIPAC: not allocated	Z-13- hexadecen-11- yn-1-yl acetate	≥ 75 %	1 September 2009	31 August 2019	PART A Only uses as attractant may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on Z-13- hexadecen-11- yn-1- yl acetate (SANCO/2649/2008) and in particular Appendices I and II thereof, as finalised in the Standing Committee on the Food Chain

**a** Further details on identity and specification of active substance are provided in the review report.

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						and Animal Health shall be taken into account. Conditions of use shall include, where appropriate, risk mitigation measures.
265	Z,Z,Z,Z-7,13-docosatetraenyl isobutyrate CAS No: 135459-81-3 CIPAC: not allocated	Z,Z,Z,Z-7,13,16,19-docosatetraen-1-yl isobutyrate	100%	1 September 2009	31 August 2019	PART A Only uses as attractant may be authorised.  PART B For the implementation of the uniform principles of Annex VI, the conclusions of the review report on Z,Z,Z,Z-7,13,16,19-docosatetraen-1-yl isobutyrate (SANCO/2650/2008) and in particular Appendices I

a Further details on identity and specification of active substance are provided in the review report.

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						and II thereof, as finalised in the Standing Committee on the Food Chain and Animal Health shall be taken into account.
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						Conditions of use shall include, where appropriate, risk mitigation measures.’
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**a** Further details on identity and specification of active substance are provided in the review report.

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- (1) OJ L 230, 19.8.1991, p. 1.
- (2) OJ L 168, 27.6.2002, p. 14.
- (3) OJ L 379, 24.12.2004, p. 13.
- (4) OJ L 246, 21.9.2007, p. 19.