



2024/3199

31.12.2024

**COMMISSION DELEGATED REGULATION (EU) 2024/3199**

**of 15 October 2024**

**amending Regulation (EU) No 649/2012 of the European Parliament and of the Council as regards the listing of pesticides and industrial chemicals**

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals <sup>(1)</sup>, and in particular Article 23(4), points (a), (b) and (d) thereof,

Whereas:

- (1) Regulation (EU) No 649/2012 implements the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade <sup>(2)</sup> ('the Rotterdam Convention').
- (2) By Implementing Regulations (EU) 2023/149 <sup>(3)</sup>, (EU) 2023/2657 <sup>(4)</sup>, (EU) 2023/2456 <sup>(5)</sup>, (EU) 2024/1207 <sup>(6)</sup>, (EU) 2023/1436 <sup>(7)</sup>, (EU) 2024/1217 <sup>(8)</sup>, (EU) 2023/2455 <sup>(9)</sup>, (EU) 2023/741 <sup>(10)</sup>, (EU) 2024/20 <sup>(11)</sup> and

<sup>(1)</sup> OJ L 201, 27.7.2012, p. 60, ELI: <http://data.europa.eu/eli/reg/2012/649/oj>.

<sup>(2)</sup> OJ L 63, 6.3.2003, p. 27, ELI: [http://data.europa.eu/eli/dec/2003/106\(1\)/oj](http://data.europa.eu/eli/dec/2003/106(1)/oj).

<sup>(3)</sup> Commission Implementing Regulation (EU) 2023/149 of 20 January 2023 concerning the non-renewal of approval of the active substance benfluralin, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council concerning the placing of plant protection products on the market, and amending the Annex to Commission Implementing Regulation (EU) No 540/2011 (OJ L 20, 23.1.2023, p. 30, ELI: [http://data.europa.eu/eli/reg\\_impl/2023/149/oj](http://data.europa.eu/eli/reg_impl/2023/149/oj)).

<sup>(4)</sup> Commission Implementing Regulation (EU) 2023/2657 of 6 November 2023 concerning the non-renewal of the approval of the active substance benthiavalicarb, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council, and amending Commission Implementing Regulation (EU) No 540/2011 (OJ L, 2023/2657, 23.11.2023, ELI: [http://data.europa.eu/eli/reg\\_impl/2023/2657/oj](http://data.europa.eu/eli/reg_impl/2023/2657/oj)).

<sup>(5)</sup> Commission Implementing Regulation (EU) 2023/2456 of 7 November 2023 concerning the non-renewal of the approval of the active substance clofentezine, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council and amending Commission Implementing Regulation (EU) No 540/2011 (OJ L, 2023/2456, 8.11.2023, ELI: [http://data.europa.eu/eli/reg\\_impl/2023/2456/oj](http://data.europa.eu/eli/reg_impl/2023/2456/oj)).

<sup>(6)</sup> Commission Implementing Regulation (EU) 2024/1207 of 29 April 2024 concerning the non-renewal of the approval of the active substance dimethomorph, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council, and amending Commission Implementing Regulation (EU) No 540/2011 (OJ L, 2024/1207, 30.4.2024, ELI: [http://data.europa.eu/eli/reg\\_impl/2024/1207/oj](http://data.europa.eu/eli/reg_impl/2024/1207/oj)).

<sup>(7)</sup> Commission Implementing Regulation (EU) 2023/1436 of 10 July 2023 concerning the non-renewal of the approval of the active substance dimoxystrobin, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council, and amending Commission Implementing Regulation (EU) No 540/2011 and Commission Implementing Regulation (EU) 2015/408 (OJ L 176, 11.7.2023, p. 10, ELI: [http://data.europa.eu/eli/reg\\_impl/2023/1436/oj](http://data.europa.eu/eli/reg_impl/2023/1436/oj)).

<sup>(8)</sup> Commission Implementing Regulation (EU) 2024/1217 of 29 April 2024 concerning the non-renewal of the approval of the active substance mepanipyrim, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council, and amending Commission Implementing Regulation (EU) No 540/2011 (OJ L, 2024/1217, 30.4.2024, ELI: [http://data.europa.eu/eli/reg\\_impl/2024/1217/oj](http://data.europa.eu/eli/reg_impl/2024/1217/oj)).

<sup>(9)</sup> Commission Implementing Regulation (EU) 2023/2455 of 7 November 2023 concerning the non-renewal of the approval of the active substance metiram, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council, and amending Commission Implementing Regulation (EU) No 540/2011 (OJ L, 2023/2455, 8.11.2023, ELI: [http://data.europa.eu/eli/reg\\_impl/2023/2455/oj](http://data.europa.eu/eli/reg_impl/2023/2455/oj)).

<sup>(10)</sup> Commission Implementing Regulation (EU) 2023/741 of 5 April 2023 concerning the non-renewal of the approval of the active substance oxamyl, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council, and amending Commission Implementing Regulation (EU) No 540/2011 (OJ L 98, 11.4.2023, p. 1, ELI: [http://data.europa.eu/eli/reg\\_impl/2023/741/oj](http://data.europa.eu/eli/reg_impl/2023/741/oj)).

<sup>(11)</sup> Commission Implementing Regulation (EU) 2024/20 of 12 December 2023 concerning the non-renewal of the approval of the active substance S-metolachlor, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council, and amending Commission Implementing Regulation (EU) No 540/2011 (OJ L, 2024/20, 3.1.2024, ELI: [http://data.europa.eu/eli/reg\\_impl/2024/20/oj](http://data.europa.eu/eli/reg_impl/2024/20/oj)).

(EU) 2023/2513<sup>(12)</sup>, the Commission decided not to renew the approval of the substances benfluralin, benthialdicarb, clofentezine, dimethomorph, dimoxystrobin, mepanipyrim, metiram, oxamyl, S-metolachlor and triflurosulfuron-methyl, respectively, as active substances under Regulation (EC) No 1107/2009 of the European Parliament and of the Council<sup>(13)</sup>. The effect of that decision is that these substances are banned from all use in the category 'pesticides', due to the fact that they have not been approved for any other use in that category. Therefore, benfluralin, benthialdicarb, clofentezine, dimethomorph, dimoxystrobin, mepanipyrim, metiram, oxamyl, S-metolachlor and triflurosulfuron-methyl should be added to the lists of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.

- (3) By Implementing Regulation (EU) 2023/939<sup>(14)</sup>, the Commission decided to withdraw the approval of the substance ipconazole, as active substances under Regulation (EC) No 1107/2009. The effect of that decision is that ipconazole is banned from all use in the category 'pesticides', due to the fact that it has not been approved for any other use in that category. Therefore, ipconazole should be added to the lists of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.
  
- (4) By Implementing Regulation (EU) 2024/425<sup>(15)</sup>, the Commission decided not to approve the active substance asulam-sodium since it has been withdrawn by industry from the approval process under Regulation (EC) No 1107/2009. The effect of that withdrawal is that asulam-sodium is banned from all use in the category 'pesticides', due to the fact that it has not been approved for any other use in that category. In addition, the harmonised classification of the substance under Regulation (EC) No 1272/2008 of the European Parliament and of the Council<sup>(16)</sup> is sufficient evidence that it raises concerns for human health or the environment. Therefore, asulam-sodium should be added to the lists of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.
  
- (5) The active substances calcium phosphide, chloridazon, chlorsulfuron, flusilazole, fuberidazole, ioxynil, molinate, oxadiazon, profenofos, quinochloramine, spirotetramat, tralkoxydim and triadimenol have been withdrawn by industry from the approval process under Regulation (EC) No 1107/2009. The effect of that withdrawal is that those substances are banned from all use in the category 'pesticides', due to the fact that they have not been approved for any other use in that category. In addition, the harmonised classification of those substances under Regulation (EC) No 1272/2008 is sufficient evidence that the substances raise concerns for human health or the environment. Therefore, those substances should be added to the lists of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.

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<sup>(12)</sup> Commission Implementing Regulation (EU) 2023/2513 of 16 November 2023 concerning the non-renewal of the approval of the active substance triflurosulfuron-methyl, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council, and amending Commission Implementing Regulation (EU) No 540/2011 (OJ L, 2023/2513, 17.11.2023, ELI: [http://data.europa.eu/eli/reg\\_impl/2023/2513/oj](http://data.europa.eu/eli/reg_impl/2023/2513/oj)).

<sup>(13)</sup> Regulation (EC) No 1107/2009 of the European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC (OJ L 309, 24.11.2009, p. 1, ELI: <http://data.europa.eu/eli/reg/2009/1107/oj>).

<sup>(14)</sup> Commission Implementing Regulation (EU) 2023/939 of 10 May 2023 withdrawing the approval of the active substance ipconazole, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council, amending Commission Implementing Regulation (EU) No 540/2011 and repealing Commission Implementing Regulation (EU) No 571/2014 (OJ L 125, 11.5.2023, p. 19, ELI: [http://data.europa.eu/eli/reg\\_impl/2023/939/oj](http://data.europa.eu/eli/reg_impl/2023/939/oj)).

<sup>(15)</sup> Commission Implementing Regulation (EU) 2024/425 of 2 February 2024 concerning the non-approval of the active substance asulam-sodium, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council (OJ L, 2024/425, 5.2.2024, ELI: [http://data.europa.eu/eli/reg\\_impl/2024/425/oj](http://data.europa.eu/eli/reg_impl/2024/425/oj)).

<sup>(16)</sup> Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ L 353, 31.12.2008, p. 1, ELI: <http://data.europa.eu/eli/reg/2008/1272/oj>).

- (6) The active substance difenacoum has been withdrawn by industry from the approval process under Regulation (EC) No 1107/2009. The effect of that withdrawal is that difenacoum is banned from use in the subcategory 'pesticides in the group of plant protection products'. In addition, the harmonised classification of difenacoum under Regulation (EC) No 1272/2008 is sufficient evidence that the substance raises concerns for human health or the environment. Therefore, difenacoum should be added to the list of chemicals set out in Part 1 of Annex I to Regulation (EU) No 649/2012.
- (7) The active substance penflufen has been withdrawn by industry from the approval process under Regulation (EC) No 1107/2009. The effect of that withdrawal is that the use of that substance at the level of the category 'pesticides' is severely restricted, considering that penflufen is only approved for use in biocidal products under Regulation (EU) No 528/2012 of the European Parliament and of the Council<sup>(17)</sup> for product-type 8 in the subcategory 'other pesticides including biocides'. In addition, the harmonised classification of penflufen under Regulation (EC) No 1272/2008 is sufficient evidence that the substance raises concerns for human health or the environment. Therefore, penflufen should be added to the lists of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.
- (8) The active substance fenpropimorph has been withdrawn by industry from the approval processes under Regulation (EC) No 1107/2009 and under Regulation (EU) No 528/2012. The effect of those withdrawals is that fenpropimorph is banned from use in the category 'pesticides'. In addition, the harmonised classification of fenpropimorph under Regulation (EC) No 1272/2008 is sufficient evidence that the substance raises concerns for human health or the environment. Therefore, fenpropimorph should be added to the lists of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.
- (9) By Implementing Decisions (EU) 2023/470<sup>(18)</sup> and (EU) 2022/2005<sup>(19)</sup>, the Commission decided not to approve the substances d-Allethrin and methylene dithiocyanate as active substances under Regulation (EU) No 528/2012. The effect of that decision is that d-Allethrin and methylene dithiocyanate are banned from all use in the category 'pesticides', due to the fact that the substances have not been approved for any other use in that category. Therefore, d-Allethrin and methylene dithiocyanate should be added to the lists of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.
- (10) The active substance bendiocarb has been withdrawn by industry from the approval process under Regulation (EU) No 528/2012. The effect of that withdrawal is that bendiocarb is banned from all use in the category 'pesticides', due to the fact that bendiocarb has not been approved for any other use in that category. In addition, the harmonised classification of the substance under Regulation (EC) No 1272/2008 is sufficient evidence that the substance raises concerns for human health or the environment. Therefore, bendiocarb should be added to the lists of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.

<sup>(17)</sup> Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products (OJ L 167, 27.6.2012, p. 1, ELI: <http://data.europa.eu/eli/reg/2012/528/oj>).

<sup>(18)</sup> Commission Implementing Decision (EU) 2023/470 of 2 March 2023 not approving d-Allethrin as an existing active substance for use in biocidal products of product-type 18 in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the Council (OJ L 68, 6.3.2023, p. 177, ELI: [http://data.europa.eu/eli/dec\\_impl/2023/470/oj](http://data.europa.eu/eli/dec_impl/2023/470/oj)).

<sup>(19)</sup> Commission Implementing Decision (EU) 2022/2005 of 21 October 2022 not approving methylene dithiocyanate as an existing active substance for use in biocidal products of product-type 12 in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the Council (OJ L 274, 24.10.2022, p. 76, ELI: [http://data.europa.eu/eli/dec\\_impl/2022/2005/oj](http://data.europa.eu/eli/dec_impl/2022/2005/oj)).

- (11) By Implementing Decisions (EU) 2023/2377 <sup>(20)</sup>, (EU) 2023/2052 <sup>(21)</sup> and (EU) 2023/2648 <sup>(22)</sup>, the Commission decided not to approve the substances silver copper zeolite, silver sodium hydrogen zirconium phosphate and silver zeolite as active substances for use in biocidal products of product-type 4 under Regulation (EU) No 528/2012. The effect of that decision is that the use of those substances is severely restricted in the category 'pesticides', due to the fact that the substances have not been approved for any other use in that category. Therefore, silver copper zeolite, silver sodium hydrogen zirconium phosphate and silver zeolite should be added to the lists of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.
- (12) By Implementing Decision (EU) 2023/1424 <sup>(23)</sup>, the Commission decided not to renew the approval of the substance acrolein since it has been withdrawn by industry from the approval process under Regulation (EU) No 528/2012. The effect of that decision is that acrolein is banned from all use in the category 'pesticides', due to the fact that the substance has not been approved for any other use in that category. In addition, the harmonised classification of the substance under Regulation (EC) No 1272/2008 is sufficient evidence that it raises concerns for human health or the environment. Therefore, acrolein should be added to the list of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.
- (13) The active substance abamectin has been withdrawn by industry from the approval process under Regulation (EU) No 528/2012. The effect of that withdrawal is that abamectin is banned from use in the subcategory 'other pesticides including biocides'. In addition, the harmonised classification of abamectin under Regulation (EC) No 1272/2008 is sufficient evidence that the substance raises concerns for human health or the environment. Therefore, abamectin should be added to the list of chemicals set out in Part 1 of Annex I to Regulation (EU) No 649/2012.
- (14) The active substance warfarin has been withdrawn by industry from the approval process under Regulation (EU) No 528/2012. The effect of that withdrawal is that warfarin is banned from all use in the category 'pesticides', due to the fact that warfarin has not been approved for any other use in that category. In addition, the harmonised classification of that substance under Regulation (EC) No 1272/2008 is sufficient evidence that warfarin raises concerns for human health or the environment. Since warfarin is already listed in Part 1 of Annex I, the substance should be added to the list of chemicals set out in Part 2 of Annex I to Regulation (EU) No 649/2012.
- (15) By Implementing Decision (EU) 2023/1097 <sup>(24)</sup>, the Commission decided not to approve the substance cyanamide as active substance under Regulation (EC) No 528/2012 and cyanamide is not approved as active substance under Regulation (EU) No 1107/2009. Consequently, cyanamide is banned from all use in the category 'pesticides' and should be listed in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012. Since cyanamide is already listed in Part 1 of Annex I, the substance should be added to the list of chemicals set out in Part 2 of Annex I to Regulation (EU) No 649/2012.

<sup>(20)</sup> Commission Implementing Decision (EU) 2023/2377 of 28 September 2023 not approving silver copper zeolite as an existing active substance for use in biocidal products of product-type 4 in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the Council (OJ L, 2023/2377, 3.10.2023, ELI: [http://data.europa.eu/eli/dec\\_impl/2023/2377/oj](http://data.europa.eu/eli/dec_impl/2023/2377/oj)).

<sup>(21)</sup> Commission Implementing Decision (EU) 2023/2052 of 25 September 2023 not approving silver sodium hydrogen zirconium phosphate as an existing active substance for use in biocidal products of product-type 4 in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the Council (OJ L 236, 26.9.2023, p. 40, ELI: [http://data.europa.eu/eli/dec\\_impl/2023/2052/oj](http://data.europa.eu/eli/dec_impl/2023/2052/oj)).

<sup>(22)</sup> Commission Implementing Decision (EU) 2023/2648 of 27 November 2023 not approving silver zeolite as an existing active substance for use in biocidal products of product-type 4 in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the Council (OJ L, 2023/2648, 29.11.2023, ELI: [http://data.europa.eu/eli/dec\\_impl/2023/2648/oj](http://data.europa.eu/eli/dec_impl/2023/2648/oj)).

<sup>(23)</sup> Commission Implementing Decision (EU) 2023/1424 of 5 July 2023 not renewing the approval of acrolein for use in biocidal products of product-type 12 in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the Council (OJ L 174, 7.7.2023, p. 17, ELI: [http://data.europa.eu/eli/dec\\_impl/2023/1424/oj](http://data.europa.eu/eli/dec_impl/2023/1424/oj)).

<sup>(24)</sup> Commission Implementing Decision (EU) 2023/1097 of 5 June 2023 not approving cyanamide as an existing active substance for use in biocidal products of product-types 3 and 18 in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the Council (OJ L 146, 6.6.2023, p. 27, ELI: [http://data.europa.eu/eli/dec\\_impl/2023/1097/oj](http://data.europa.eu/eli/dec_impl/2023/1097/oj)).

- (16) The substances 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear; dihexyl phthalate; 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters; sodium perborate, perboric acid, sodium salt; and sodium peroxometaborate are listed in Annex XIV to Regulation (EC) No 1907/2006 of the European Parliament and of the Council <sup>(25)</sup> since they have been previously identified as substances of very high concern. Consequently, those substances are subject to authorisation in accordance with Title VII of Regulation (EC) No 1907/2006. Since no authorisations have been granted, those substances are severely restricted for industrial use. Therefore, those substances should be added to the lists of chemicals set out in Parts 1 and 2 of Annex I to Regulation (EU) No 649/2012.
- (17) Polychlorinated biphenyls are listed in Annex III to the Rotterdam Convention. That entry covers a number of homologs, congeners and mixtures. To align the listing in Part 3 of Annex I with the listing under the Convention, the scope should be adapted to cover these homologs, congeners and mixtures by adding 'and others' to the CAS number provided in Part 3 of Annex I.
- (18) At its eleventh meeting held from 1 to 12 May 2023, the Conference of the Parties to the Rotterdam Convention decided to include terbufos in Annex III to that Convention, with the effect that terbufos became subject to the prior informed consent procedure under that Convention. Consequently, terbufos should be added to the list of chemicals set out in Part 3 of Annex I to Regulation (EU) No 649/2012. Since terbufos is already listed in Part 2 of Annex I to that Regulation, terbufos should be removed from the list of chemicals set out in Part 2 of Annex I to Regulation (EU) No 649/2012.
- (19) At its tenth meeting held from 6 to 17 June 2022, the Conference of the Parties to the Stockholm Convention on Persistent Organic Pollutants ('the Stockholm Convention') decided to include the substance perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds in Annex A to that Convention. Consequently, that substance was listed in Part A of Annex I to Regulation (EU) 2019/1021 of the European Parliament and of the Council <sup>(26)</sup> and should therefore be added to the list of chemicals in Part 1 of Annex V to Regulation (EU) No 649/2012.
- (20) The entry for endosulfan included in the list of chemicals set out in Part A of Annex V should be amended by adding additional numerical identifiers to clarify the scope in order to align it with Regulation (EU) 2019/1021.
- (21) Regulation (EU) No 649/2012 should therefore be amended accordingly.
- (22) It is appropriate to provide for a reasonable period of time for interested parties to take the measures necessary to comply with this Regulation and for Member States to take the measures necessary for its implementation,

<sup>(25)</sup> Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (OJ L 396, 30.12.2006, p. 1, ELI: <http://data.europa.eu/eli/reg/2006/1907/oj>).

<sup>(26)</sup> Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants (OJ L 169, 25.6.2019, p. 45, ELI: <http://data.europa.eu/eli/reg/2019/1021/oj>).

HAS ADOPTED THIS REGULATION:

*Article 1*

Regulation (EU) No 649/2012 is amended as follows:

- (1) Annex I is amended in accordance with Annex I to this Regulation;
- (2) Annex V is amended in accordance with Annex II to this Regulation.

*Article 2*

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

It shall apply from 1 March 2025.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 15 October 2024.

*For the Commission*  
*The President*  
Ursula VON DER LEYEN

## ANNEX I

Annex I to Regulation (EU) No 649/2012 is amended as follows:

(1) in Part 1, in the table, the following entries are added:

Chemical	CAS No	EC No	CN code(***)	Subcategory (*)	Use limitation (**)	Countries for which no notification is required
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (*)	68515-50-4	271-093-5	ex 2917 34 00	i(1)-i(2)	sr-b	
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters (*)	68648-93-1 68515-51-5	272-013-1 271-094-0	ex 3824 99 92	i(1)-i(2)	sr-b	
Abamectin	71751-41-2		ex 3808 99 90	p(2)	b	
Acrolein (*)	107-02-8	203-453-4	ex 2912 19 00	p(2)	b	
Asulam-sodium (*)	2302-17-2	218-953-8	ex 2935 90 90	p(1)	b	
Bendiocarb (*)	22781-23-3	245-216-8	ex 2932 99 00	p(2)	b	
Benfluralin (*)	1861-40-1	217-465-2	ex 2921 43 00	p(1)	b	
Benthiavalicarb (*)	413615-35-7 177406-68-7		ex 2934 20 80	p(1)	b	
Calcium phosphide (*)	1305-99-3	215-142-0	ex 2853 90 90	p(1)	b	
Chloridazon (*)	1698-60-8	216-920-2	ex 2933 99 80	p(1)	b	
Chlorsulfuron (*)	64902-72-3	265-268-5	ex 2935 90 90	p(1)	b	
Clofentezine (*)	74115-24-5	277-728-2	ex 2933 99 80	p(1)	b	
d-Allethrin (*)	231937-89-6		ex 2916 20 00	p(2)	b	
Difenacoum	56073-07-5	259-978-4	ex 2932 20 90	p(1)	b	
Dihexyl phthalate (*)	84-75-3	201-559-5	ex 2917 34 00	i(1)-i(2)	sr-b	
Dimethomorph (*)	110488-70-5	404-200-2	ex 2934 99 90	p(1)	b	
Dimoxystrobin (*)	149961-52-4		ex 2928 00 90	p(1)	b	
Fenpropimorph (*)	67564-91-4	266-719-9	ex 2934 99 90	p(1)-p(2)	b-b	
Flusilazole (*)	85509-19-9		ex 2933 99 80	p(1)	b	
Fuberidazole (*)	3878-19-1	223-404-0	ex 2934 99 90	p(1)	b	

Chemical	CAS No	EC No	CN code(***)	Subcategory (*)	Use limitation (**)	Countries for which no notification is required
Ioxynil (*)	1689-83-4 3861-47-0	216-881-1 223-375-4	ex 2926 90 70	p(1)	b	
Ipconazole (*)	125225-28-7 115850-69-6 115937-89-8		ex 2933 99 80	p(1)	b	
Mepanipyrim (*)	110235-47-7	432-140-7	ex 2933 59 95	p(1)	b	
Methylene dithiocyanate (*)	6317-18-6	228-652-3	ex 2930 90 98	p(2)	b	
Metiram (*)	9006-42-2		ex 3808 92 30	p(1)	b	
Molinate (*)	2212-67-1	218-661-0	ex 2933 99 80	p(1)	b	
Oxadiazon (*)	19666-30-9	243-215-7	ex 2934 99 90	p(1)	b	
Oxamyl (*)	23135-22-0	245-445-3	ex 2930 90 98	p(1)	b	
Penflufen (*)	494793-67-8		ex 2933 19 90	p(1)	b	
Profenofos (*)	41198-08-7	255-255-2	ex 2930 90 98	p(1)	b	
Quinoclamine (*)	2797-51-5	220-529-2	ex 2922 39 00	p(1)	b	
Silver copper zeolite (*)	130328-19-7		ex 2843 29 00	p(2)	b	
Silver sodium hydrogen zirconium phosphate (*)	265647-11-8	422-570-3	ex 2843 29 00	p(2)	b	
Silver zeolite (*)	130328-18-6		ex 2843 29 00	p(2)	b	
S-metolachlor (*)	87392-12-9		ex 2924 29 70	p(1)	b	
Sodium perborate, perboric acid, sodium salt (*)	15120-21-5 10332-33-9 10486-00-7 13517-20-9 90568-23-3 11138-47-9 125022-34-6 37244-98-7 and others	239-172-9   234-390-0   and others	ex 2840 30 00	i(1)-i(2)	sr-b	
Sodium peroxometaborate (*)	7632-04-4	231-556-4	ex 2840 30 00	i(1)-i(2)	sr-b	



Chemical	CAS No	EC No	CN code(***)	Subcategory (*)	Use limitation (**)	Countries for which no notification is required
Spirotetramat (*)	203313-25-1		ex 2933 79 00	p(1)	b	
Tralkoxydim (*)	87820-88-0		ex 2928 00 90	p(1)	b	
Triadimenol (*)	55219-65-3	259-537-6	ex 2933 99 80	p(1)	b	
Triflurosulfuron-methyl (*)	126535-15-7		ex 2935 90 90	p(1)	b'	

(2) in Part 1, in the table, the entries for cyanamide, terbufos and warfarin are replaced by the following entries:

Chemical	CAS No	EC No	CN code(***)	Subcategory (*)	Use limitation (**)	Countries for which no notification is required
Cyanamide (*)	420-04-2	206-992-3	ex 2853 90 90	p(1)-p(2)	b-b	
Terbufos (#)	13071-79-9	235-963-8	ex 2930 90 98	p(1)	b	
Warfarin (*)	81-81-2	201-377-6	ex 2932 20 90	p(1)-p(2)	b-b'	

(3) in Part 2, in the table, the following entries are added:

Chemical	CAS No	EC No	CN code(***)	Category (*)	Use limitation (**)
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	ex 2917 34 00	i	sr
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	68648-93-1 68515-51-5	272-013-1 271-094-0	ex 3824 99 92	i	sr
Acrolein	107-02-8	203-453-4	ex 2912 19 00	p	b
Asulam-sodium	2302-17-2	218-953-8	ex 2935 90 90	p	b
Bendiocarb	22781-23-3	245-216-8	ex 2932 99 00	p	b
Benfluralin	1861-40-1	217-465-2	ex 2921 43 00	p	b
Benthiavalicarb	413615-35-7 177406-68-7		ex 2934 20 80	p	b
Calcium phosphide	1305-99-3	215-142-0	ex 2853 90 90	p	b
Chloridazon	1698-60-8	216-920-2	ex 2933 99 80	p	b
Chlorsulfuron	64902-72-3	265-268-5	ex 2935 90 90	p	b

Chemical	CAS No	EC No	CN code(***)	Category (*)	Use limitation (**)
Clofentezine	74115-24-5	277-728-2	ex 2933 99 80	p	b
Cyanamide	420-04-2	206-992-3	ex 2853 90 90	p	b
d-Allethrin	231937-89-6		ex 2916 20 00	p	b
Dihexyl phthalate	84-75-3	201-559-5	ex 2917 34 00	i	sr
Dimethomorph	110488-70-5	404-200-2	ex 2934 99 90	p	b
Dimoxystrobin	149961-52-4		ex 2928 00 90	p	b
Fenpropimorph	67564-91-4	266-719-9	ex 2934 99 90	p	b
Flusilazole	85509-19-9		ex 2933 99 80	p	b
Fuberidazole	3878-19-1	223-404-0	ex 2934 99 90	p	b
Ioxynil	1689-83-4 3861-47-0	216-881-1 223-375-4	ex 2926 90 70	p	b
Ipconazole	125225-28-7 115850-69-6 115937-89-8		ex 2933 99 80	p	b
Mepanipyrim	110235-47-7	432-140-7	ex 2933 59 95	p	b
Methylene dithiocyanate	6317-18-6	228-652-3	ex 2930 90 98	p	b
Metiram	9006-42-2		ex 3808 92 30	p	b
Molinate	2212-67-1	218-661-0	ex 2933 99 80	p	b
Oxadiazon	19666-30-9	243-215-7	ex 2934 99 90	p	b
Oxamyl	23135-22-0	245-445-3	ex 2930 90 98	p	b
Penflufen	494793-67-8		ex 2933 19 90	p	sr
Profenofos	41198-08-7	255-255-2	ex 2930 90 98	p	b
Quinoclamine	2797-51-5	220-529-2	ex 2922 39 00	p	b
Silver copper zeolite	130328-19-7		ex 2843 29 00	p	b
Silver sodium hydrogen zirconium phosphate	265647-11-8	422-570-3	ex 2843 29 00	p	b
Silver zeolite	130328-18-6		ex 2843 29 00	p	b
S-metolachlor	87392-12-9		ex 2924 29 70	p	b

Chemical	CAS No	EC No	CN code(***)	Category (*)	Use limitation (**)
Sodium perborate, perboric acid, sodium salt	15120-21-5 10332-33-9 10486-00-7 13517-20-9 90568-23-3  11138-47-9 125022-34-6 37244-98-7 and others	239-172-9     234-390-0   and others	ex 2840 30 00	i	sr
Sodium peroxometaborate	7632-04-4	231-556-4	ex 2840 30 00	i	sr
Spirotetramat	203313-25-1		ex 2933 79 00	p	b
Tralkoxydim	87820-88-0		ex 2928 00 90	p	b
Triadimenol	55219-65-3	259-537-6	ex 2933 99 80	p	b
Triflurosulfuron-methyl	126535-15-7		ex 2935 90 90	p	b
Warfarin	81-81-2	201-377-6	ex 2932 20 90	p	b'

(4) in Part 2, in the table, the following entry is deleted:

Chemical	CAS No	EC No	CN code(***)	Category (*)	Use limitation (**)
'Terbufos	13071-79-9	235-963-8	ex 2930 90 98	p	b'

(5) in Part 3, in the table, the following entry is added:

Chemical	Relevant CAS number(s)	HS code Pure substance (**)	HS code Mixtures containing substance (**)	Category
'Terbufos	13071-79-9	2930.90	ex 3808.59	Pesticide'

(6) in Part 3, in the table, the entry on polychlorinated biphenyls is replaced by the following:

Chemical	Relevant CAS number(s)	HS code Pure substance (**)	HS code Mixtures containing substance (**)	Category
'Polychlorinated biphenyls (PCB) (*)	1336-36-3 and others	ex 2903.99	ex 3824.82	Industrial'

## ANNEX II

In Annex V to Regulation (EU) No 649/2012, the table of Part 1 is amended as follows:

(1) the following entry is added:

Description of chemicals/ article(s) subject to export ban	Additional details, where relevant (e.g. name of chemical, EC No, CAS No, etc.)	
	'Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds	EC No 206-587-1 and others CAS No 355-46-4 and others CN code 2904 99 00 and others'

(2) the entry on endosulfan is replaced by the following:

Description of chemicals/article(s) subject to export ban	Additional details, where relevant (e.g. name of chemical, EC No, CAS No, etc.)	
	'Endosulfan	EC No 204-079-4 CAS No 115-29-7, 959-98-8, 33213-65-9 CN code ex 2920 30 00'