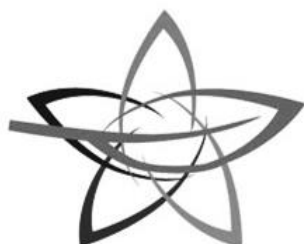




Food and Agriculture
Organization of the
United Nations



PIC CIRCULAR LVIII (58) – December 2023



ROTTERDAM CONVENTION

SECRETARIAT OF THE ROTTERDAM CONVENTION
ON THE PRIOR INFORMED CONSENT PROCEDURE
FOR CERTAIN HAZARDOUS CHEMICALS AND PESTICIDES
IN INTERNATIONAL TRADE

PIC CIRCULAR LVIII (58)

December 2023

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PIC CIRCULAR LVII (58) – December 2023

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INTRODUCTION

1. THE PURPOSE OF THE PIC CIRCULAR

The Rotterdam Convention on the Prior Informed Consent Procedure (PIC) for Certain Hazardous Chemicals and Pesticides in International Trade entered into force on 24 February 2004.

The purpose of the PIC Circular is to provide all Parties, through their designated national authorities, with the information required in Articles 4, 5, 6, 7, 10, 11, 13 and 14 of the Convention. The decision guidance documents on relevant chemicals dispatched to Parties in line with paragraph 3 of Article 7 are sent out in a separate communication.

The PIC Circular is published every six months, in June and December. The present Circular contains information related to and received during the period from **1 May 2023 to 31 October 2023**. Information received after 31 October 2023 will be included in the next PIC Circular.

Designated national authorities are requested to review the information related to their countries and communicate any inconsistencies, errors or omissions to the Secretariat.

2. IMPLEMENTATION OF THE ROTTERDAM CONVENTION

2.1 Designated national authorities

In line with paragraph 3 of Article 4, Parties shall notify the Secretariat on designations of or changes to designated national authorities. A register of designated national authorities is distributed together with the present PIC Circular and is also available on the Rotterdam Convention website.¹

2.2 Notifications of final regulatory action

Parties that have adopted final regulatory actions shall notify the Secretariat within the timeframes established in paragraphs 1 and 2 of Article 5.

Appendix I of the PIC Circular contains a synopsis of all notifications of final regulatory action received from Parties since the last PIC Circular, in line with paragraphs 3 and 4 of Article 5 of the Convention. It contains summaries of notifications of final regulatory action that have been received by the Secretariat and verified to contain the information required by Annex I to the Convention (Part A), information regarding notifications which do not contain all the information (Part B), as well as those notifications that are still under verification by the Secretariat (Part C).

Appendix V contains a list of all the notifications of final regulatory action for chemicals not listed in Annex III, received during the interim PIC procedure and the current PIC procedure (September 1998 to 31 October 2023).

A database of notifications of final regulatory action submitted by Parties, including those for the chemicals listed in Annex III to the Convention, verified as containing the information required by Annex I to the Convention is also available on the Convention website.²

A synopsis of all notifications received under the original PIC procedure, which is before the adoption of the Convention in 1998, was published in **PIC Circular X** in December 1999.³ These notifications however do not meet the requirements of Annex I because the information requirements for notifications under the original PIC procedure were different. Although Parties are not obliged to resubmit

¹ www.pic.int/tabid/3282/Default.aspx

² www.pic.int/tabid/1368/language/en-US/Default.aspx

³ www.pic.int/tabid/1168/language/en-US/Default.aspx

notifications submitted under the original PIC procedure,⁴ they may wish to consider doing so for those chemicals not presently listed in Annex III if sufficient supporting information is available.

To facilitate the submission of notifications, a **form for notification of final regulatory action to ban or severely restrict a chemical** and **instructions on how to complete it** are available on the Convention website.⁵

2.3 Proposals for the listing of severely hazardous pesticide formulations

In line with paragraph 1 of Article 6, any Party that is a developing country or a country with an economy in transition and that is experiencing problems caused by a severely hazardous pesticide formulation under conditions of use in its territory, may propose to the Secretariat the listing of the severely hazardous pesticide formulation in Annex III.

Appendix II of the PIC Circular contains summaries of such proposals, which the Secretariat has verified contain the information required by part 1 of Annex IV to the Convention.

To facilitate the submission of proposals, an **incident report form for human health incidents involving severely hazardous pesticide formulations** and an **incident report form for environmental incidents involving severely hazardous pesticide formulations** are available on the Convention website.⁶

2.4 Chemicals subject to the PIC procedure

Appendix III of the PIC Circular lists all the chemicals that are currently listed in Annex III to the Convention and subject to the PIC procedure, their categories (pesticide, industrial and severely hazardous pesticide formulation) and the date of first communication of the corresponding decision guidance document.

The eleventh meeting of the Conference of the Parties (COP-11) to the Rotterdam Convention held from 1 to 12 May 2023 in Geneva, Switzerland, decided to amend Annex III to list one new chemical, making it subject to the prior Informed Consent Procedure and approving the related Decision Guidance Document:

Chemical	Relevant CAS number(s)	Category	Decision No.
Terbufos	13071-79-9	Pesticide	RC-11/3

The amendment to list terbufos in Annex III entered into force for all Parties on 22 October 2023. The Decision Guidance Document on terbufos was communicated to all Parties, along with a request to provide an import response within nine months of dispatch of this document (by 21 July 2024), in accordance with paragraph 2 of Article 10 of the Convention.

At its eleventh meeting, the Conference of the Parties deferred to its twelfth meeting consideration of whether to include acetochlor, carbosulfan, chrysotile asbestos, fenthion (ultra-low volume (ULV) formulations at or above 640 g active ingredient/L), iprodione and liquid formulations (emulsifiable concentrate and soluble concentrate) containing paraquat dichloride at or above 276 g/L, corresponding to paraquat ion at or above 200 g/L. Further information on these chemicals can be found on the Rotterdam Convention website, in the section “Chemicals recommended for listing” under “The Convention” tab.⁷

⁴ **FAO & UNEP**. 2019. *Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade*. Article 5, paragraph 2. Rome and Geneva.

⁵ www.pic.int/tabid/1182/language/en-US/Default.aspx

⁶ www.pic.int/tabid/1192/language/en-US/Default.aspx

⁷ <http://www.pic.int/tabid/1185/language/en-US/Default.aspx>

2.5 Information exchange on exports and export notifications

Article 12 and Annex V to the Convention set out the provisions and information requirements related to export notifications. When a chemical that is banned or severely restricted by a Party is exported from its territory, that Party shall provide an export notification to the importing Party, which shall include the information in Annex V. The importing Party has the obligation to acknowledge receipt of the first export notification received after the adoption of the final regulatory action.

To assist Parties in meeting their obligations under the Convention, a **standard form for export notification** and **instructions on how to complete it** are available on the Convention website.⁸

The Conference of the Parties, at its eleventh meeting, in its decision RC-11/1, encouraged Parties to provide information on their implementation of Articles 11, 12, 13 and 14 of the Convention by submitting responses to the periodic questionnaire on the implementation of those articles. The same decision requested the Secretariat, subject to the availability of resources, to continue implementing the provisions of decisions RC-7/2 on Proposals on ways of exchanging information on exports and export notifications and RC-9/1 on Status of implementation of the Convention.

2.6 Information to accompany exported chemicals

In response to paragraph 1 of Article 13, the World Customs Organization has assigned specific Harmonized System customs codes to the individual chemicals or groups of chemicals listed in Annex III to the Convention. These codes entered into force on 1 January 2007. For the chemicals listed in Annex III after 2011, Harmonized System codes will be assigned by the World Customs Organization. A table containing this information is available on the Convention website.⁹

If a Harmonized System customs code has been assigned to a chemical listed in Annex III, Parties shall require that the shipping document carries this assigned code when the chemical is exported.

2.7 Information on responses concerning import of chemicals listed in Annex III to the Convention

In accordance with paragraphs 2 and 4 of Article 10, each Party shall transmit to the Secretariat, as soon as possible, and in any event no later than nine months after the date of dispatch of the decision guidance document, a response concerning the future import of the chemical concerned. If a Party modifies this response, the Party shall forthwith submit the revised response to the Secretariat. The response shall consist of either a final decision or an interim response.

Paragraph 7 of Article 10 provides that, each Party shall, no later than the date of entry into force of the Convention for that Party, transmit to the Secretariat import responses with respect to each chemical listed in Annex III to the Convention.

Appendix IV includes an overview of import responses received since the last PIC Circular. All import responses received, including a description of the legislative or administrative measures on which the decisions have been based, are available on the Convention website.¹⁰ Information on any cases of failure to transmit a response is also available.

As at 31 October 2023, the following Parties have submitted import responses for all 54 chemicals listed in Annex III to the Convention, for which import responses were to be submitted before 22 July 2023: Australia, Cabo Verde, Canada, European Union (on behalf of its 27 Member States), North Macedonia, Norway, Oman, Serbia, Singapore, Thailand, and United Kingdom of Great Britain and Northern

⁸ www.pic.int/tabid/1365/language/en-US/Default.aspx

⁹ www.pic.int/tabid/1159/language/en-US/Default.aspx

¹⁰ www.pic.int/tabid/1370/language/en-US/Default.aspx

Ireland. One hundred and twenty seven (127) Parties have not yet provided import responses for one or more of the chemicals listed in Annex III to the Convention. Of these, the following seven Parties have failed to provide any import responses: Afghanistan, Djibouti, Grenada, Marshall Islands, Saint Vincent and the Grenadines, Sierra Leone, and Somalia. As mentioned in section 2.4 above, import responses on terbufos are to be submitted by 21 July 2024.

To facilitate the submission of responses regarding import, a **form for import response and instructions on how to complete it** are available on the Convention website.¹¹

Import responses must be submitted through the official channel of communication for the Party. The date of issue and signature of the DNA is to be provided for each individual form.¹²

2.8 Information on chemicals for which the Conference of the Parties has yet to take a final decision

The Conference of the Parties, in its decisions RC-3/3, RC-4/4, RC-6/8, RC-8/6, RC-8/7 and RC-9/5 encouraged Parties to make use of all information available on the following chemicals, to assist others, in particular developing countries and countries with economies in transition, to make informed decisions regarding their import and management and to inform other Parties of those decisions using the information exchange provisions in Article 14: acetochlor; carbosulfan; chrysotile asbestos; fenthion (ultra-low volume (ULV) formulations at or above 640 g active ingredient/L); and liquid formulations (emulsifiable concentrate and soluble concentrate) containing paraquat dichloride at or above 276 g/L, corresponding to paraquat ion at or above 200 g/L.

In line with these decisions and paragraph 1 of Article 14, **Appendix VI** of the PIC Circular contains information on chemicals recommended by the Chemical Review Committee for listing in Annex III but for which the Conference of the Parties has yet to take a final decision.

2.9 Information on transit movements

As outlined in paragraph 5 of Article 14, any Party requiring information on transit movements through its territory of chemicals listed in Annex III may report its need to the Secretariat, which shall inform all Parties accordingly.

Since the last PIC Circular, no Party has reported to the Secretariat its need for information on transit movements through its territory of Annex III chemicals.

3. ADDITIONAL INFORMATION

3.1 Information on the status of ratification of the Rotterdam Convention

As at 31 October 2023 there were 165 Parties to the Rotterdam Convention.¹³ Information on new Parties after 31 October 2023 will be reported in the next PIC Circular.

3.2 Documents relevant to the implementation of the Rotterdam Convention

The following documents relevant to the implementation of the Convention are available on the Convention website:¹⁴

¹¹ www.pic.int/tabid/1165/language/en-US/Default.aspx

¹² www.pic.int/tabid/1165/language/en-US/Default.aspx

¹³ www.pic.int/tabid/1072/language/en-US/Default.aspx

¹⁴ www.pic.int

- Text of the Convention – Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade (*Arabic, Chinese, English, French, Russian, Spanish*);¹⁵
- Decision guidance documents for each of the chemicals listed in Annex III to the Convention (*English, French, Spanish*);¹⁶
- Form and instructions for notification of final regulatory action to ban or severely restrict a chemical (*English, French, Spanish*);⁵
- Form and instructions for import responses (*English, French, Spanish*);¹¹
- Form and instructions for reporting human health incidents and environmental incidents relating to severely hazardous pesticide formulations (*English, French, Spanish*);⁶
- Export notification form and instructions (*English, French, Spanish*);⁷
- Form for notification of designation of contacts (*English, French, Spanish*);¹⁷
- All PIC Circulars (*English, French, Spanish*);³
- Database of designated national authorities and official contact points for the Rotterdam Convention (*English*).¹

3.3 Resource Kit of information on the Rotterdam Convention

The Resource Kit¹⁸ is a collection of publications containing information on the Rotterdam Convention. It has been developed with a range of end-users in mind, including the public, designated national authorities and stakeholders involved in the implementation of the Convention. It includes elements to assist in awareness-raising activities and detailed technical information and training materials aimed at facilitating implementation of the Convention.

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¹⁵ www.pic.int/tabid/1048/language/en-US/Default.aspx

¹⁶ www.pic.int/tabid/2413/language/en-US/Default.aspx

¹⁷ www.pic.int/tabid/3285/language/en-US/Default.aspx

¹⁸ www.pic.int/tabid/1064/language/en-US/Default.aspx

APPENDIX I**SYNOPSIS OF NOTIFICATIONS OF FINAL REGULATORY ACTION
RECEIVED SINCE THE LAST PIC CIRCULAR**

This appendix consists of three parts:

Part A: Summary of notifications of final regulatory action that have been verified as containing all the information required by Annex I to the Convention

Notifications of final regulatory action that have been verified as containing all the information required in Annex I to the Convention, received between 1 May 2023 to 31 October 2023.

Part B: Notifications of final regulatory action that have been verified as not containing all the information required by Annex I to the Convention

Notifications of final regulatory action that have been verified as not containing all the information required by Annex I to the Convention, received between 1 May 2023 to 31 October 2023.

Part C: Notifications of final regulatory action still under verification

Notifications of final regulatory action that have been received by the Secretariat for which the verification process has not yet been completed.

The information is also available on the Convention website.¹⁹

¹⁹ www.pic.int/tabid/1368/language/en-US/Default.aspx

Synopsis of notifications of final regulatory action received since the last PIC Circular**PART A****SUMMARY OF NOTIFICATIONS OF FINAL REGULATORY ACTION THAT HAVE BEEN VERIFIED AS CONTAINING ALL THE INFORMATION REQUIRED BY ANNEX I TO THE CONVENTION****AUSTRALIA**

Common Name(s): Decabromodiphenylethane (DBDPE)

CAS number(s): 84852-53-9

Chemical Name: 1,1'-Ethane-1,2-diylbis(pentabromobenzene)

Final regulatory action has been taken for the category: Industrial

Final regulatory action: The chemical is severely restricted.

Use or uses prohibited by the final regulatory action: Introduction of the chemical into Australia and proposed uses are severely restricted.

Use or uses that remain allowed: The chemical may be used for research and development and not be made available to the public. Appropriate procedures and safety controls must be in place to eliminate or minimise the risks from the introduction to humans and the environment.

The final regulatory action was based on a risk or hazard evaluation: Yes

Summary of the final regulatory action: In accordance with Section 52 of the *Industrial Chemicals Act 2019* (Cth), the Executive Director of the Australian Industrial Chemicals Introduction Scheme (AICIS) declares that:

The assessment certificate for decabromodiphenylethane (CAS Number 84852-53-9) has been cancelled. This severely restricts the introduction and/or use of this chemical as defined in the Rotterdam convention.

The reasons for the final regulatory action were relevant to: Human health and environment.

Summary of known hazards and risks to human health: In Australia, DBDPE is for industrial use only.

The chemical is of low acute toxicity, not irritating to skin, is slightly irritating to eyes, not a skin sensitiser and is not mutagenic or genotoxic. Some repeated dose toxicity studies suggest that adverse effects after repeated exposure to the chemical cannot be ruled out. In some studies where decabromodiphenyl ether was also tested, the chemical was reported to be causing similar but less severe effects than with decabromodiphenyl ether.

No risks are identified for public health through direct exposure. However, the general public may have limited contact with articles containing DBDPE, as it is expected to be already imported into Australia as a component of a range of articles. Indirect exposure of humans through the environment may occur and this could increase over time due to the persistent and bioaccumulative properties of DBDPE.

Workers may be exposed to the imported DBDPE up to 100 percent concentration (powder form) during compounding/masterbatch production operations. Other workers may come into contact with DBDPE at ≤ 30 percent concentration. Noting the uncertainties in human health hazards with repeated exposure, and provided that control measures are in place to minimise worker exposure, the risk to the health of workers from use of the assessed chemical is not considered to be significant.

Expected effect of the final regulatory action in relation to human health: The expected effect of the final regulatory action is that it will reduce the potential risk posed by DBDPE to human health.

Summary of known hazards and risks to the environment:

Based on available ecotoxicity and test data:

- DBDPE can be released through the following pathways:
 - Release to the atmosphere, soil and wastewater from its industrial uses and disposal
 - Emissions from treated articles, including breakdown of the article matrix
 - Leaching and emission from landfill
- DBDPE is persistent in soils and sediments.
- DBDPE can bioaccumulate within aquatic and terrestrial organisms with biomagnification also occurring in some food chains.
- DPBPE has the potential to cause adverse effects in birds at environmentally relevant concentrations
- Monitoring in remote regions that are removed from major sources of emissions show that DBDPE and congeners of DBDPE can undergo long range transport (LRT) in the environment.

Environmental Hazard Classification

The chemical satisfies the criteria for classification according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHE) (UNECE 2017) for hazard classes relevant to the environment:

Hazard	GHS Classification (Code)	Hazard statement
Acute Aquatic	Not classified	-
Chronic Aquatic	Category 4 (H413)	May cause long lasting harmful effects to aquatic life

Summary:

- DBDPE meets the persistence, bioaccumulation, adverse effects in aquatic and terrestrial organisms and long-range environmental transport criteria of Annex D of the Stockholm Convention.
- DBDPE has the potential to cause significant long-term risks to the environment from its introduction or use.
- Any reintroduction of DBDPE would increase the environmental risks resulting from past environmental exposure to DBDPE. Consequently, regulatory controls should be implemented to ensure that manufacture, import and use of DBDPE remains severely restricted in Australia.

Expected effect of the final regulatory action in relation to the environment: By severely restricting DBDPE, it is anticipated that the environment will be protected from the identified adverse effects of this chemical.

Date of entry into force of the final regulatory action: 28/06/2022

AUSTRALIA

Common Name(s): Hexachlorobenzene

CAS number(s): 118-74-1

Chemical Name: Benzene, hexachloro-

Final regulatory action has been taken for the category: Industrial

Final regulatory action: The chemical is severely restricted.

Use or uses prohibited by the final regulatory action: Existing regulatory controls in place restrict the import and use of hexachlorobenzene (HCB). Since 2004, the import of hexachlorobenzene is prohibited in accordance with Schedule 9 of the *Customs (Prohibited Imports) Regulations 1956*. HCB was listed on the Inventory until February 2023 and while on the Inventory the manufacture of HCB as an industrial chemical was authorised under the *Industrial Chemicals Act 2019*. However, AICIS has no evidence of the manufacture or export of HCB since 2004. State and territory environment protection regulators also provide further restrictions within facility licensing and waste disposal frameworks.

As HCB has now been removed from the Inventory it cannot be introduced under the listed category. This has the effect of strengthening previous restrictions that were in place for the chemical.

Use or uses that remain allowed: Introduction of up to 100 kg per annum of hexachlorobenzene (HCB) as an industrial chemical for use solely in research or analysis remains allowed under the Stockholm Convention. If introduced for this use, it cannot be made available to the public, and appropriate procedures and safety controls

must be in place to eliminate or minimise the risks from the introduction to persons involved in the research, and the environment.

The final regulatory action was based on a risk or hazard evaluation: Yes

Summary of the final regulatory action: Consistent with requirements under the *Industrial Chemicals Act 2019*, sections 95, 159(2), the Executive Director of the Australian Industrial Chemicals Introduction Scheme (AICIS) declares that:

Benzene, hexachloro (CAS RN 118-74-1) was removed from the Australian Inventory of Industrial Chemicals on 8 February 2023.

The import of this chemical into Australia has been prohibited since 2004, under Schedule 9 of the Customs (Prohibited Imports) Regulations 1956. AICIS has no evidence for the manufacture or export of HCB in Australia since this time. Removal from the Australian Inventory of Industrial Chemicals (Inventory) introduces severe restrictions on the manufacture and use of this chemical in addition to the prohibition of import. Under Australian legislation this chemical is severely restricted as defined in the Rotterdam Convention.

The reasons for the final regulatory action were relevant to: Human health and environment.

Summary of known hazards and risks to human health: Adverse effects reported in various animal species following subchronic and chronic oral exposure to hexachlorobenzene (HCB) have been associated with the liver, kidneys, ovary, and central nervous system. Other effects reported include skin lesions (porphyria cutanea tarda); alteration in porphyrin metabolism (porphyria); behavioural changes; altered thyroid functions and serum levels of thyroid hormones; renal effects; and changes in calcium homeostasis and bone morphometry. In animal studies, reproductive and developmental toxicity, and induction of cancer were reported following repeated exposure to HCB. The chemical is expected to be readily absorbed following oral exposure from contaminated water, food, soil or breast milk through the digestive tract. HCB can also be absorbed through the lungs to a lesser extent. The IARC, the United States Environmental Protection Agency (USEPA) and the American Conference of Governmental Industrial Hygienists (ACGIH) have all concluded that HCB is an animal carcinogen and probably a human carcinogen.

There are potential risks to public and workers based on the human health effects of HCB and secondary exposure from the environment, through introduction by manufacture, and the subsequent use of the chemical. Although, currently in Australia it is reported that the chemical is not manufactured or imported, the chemical may be introduced unintentionally during manufacture of other chemicals. HCB may also be present as an impurity in products containing phthalocyanine pigments and isophorone.

Expected effect of the final regulatory action in relation to human health: The expected effect of the final regulatory action is that it will enhance legal clarity, reducing the potential risk posed by hexachlorobenzene to human health.

Summary of known hazards and risks to the environment: Hexachlorobenzene (HCB) meets the persistence, bioaccumulation, potential for long-range environmental transport, and potential for adverse effects criteria of Annex D of the Stockholm Convention. It has been listed in Annexes A and C of the Convention since 2004. As a Persistent Organic Pollutant, HCB is highly hazardous to the environment.

Classification of the environmental hazards of HCB was not conducted in this evaluation.

HCB is not actively used in Australia. It may be present as an impurity in some industrial chemical products. Sources of HCB emission to the Australian environment from historical uses may include:

- direct emissions to air from the incomplete combustion of solid organic wastes in open landfills and municipal incinerators
- landfill leachates of waste materials from the manufacture of chlorinated solvents and chlorinated pesticides
- diffuse emissions from agricultural fields that result from either former application of HCB as a fungicide or impurities present in currently used chlorinated pesticides (for example, chlorothalonil, quintozone)

Risks to the environment: There are significant long-term risks to the environment from the introduction and use of the chemical, including from introduction in articles.

Expected effect of the final regulatory action in relation to the environment: The expected effect of the final regulatory action is that it will reduce the potential risk posed by hexachlorobenzene to the environment.

Date of entry into force of the final regulatory action: 08/02/2023

AUSTRALIA

Common Name(s): Pentachlorobenzene

CAS number(s): 608-93-5

Chemical Name: 1,2,3,4,5-Pentachlorobenzene

Final regulatory action has been taken for the category: Industrial

Final regulatory action: The chemical is severely restricted.

Use or uses prohibited by the final regulatory action: Pentachlorobenzene (PeCB) was previously listed on the Australian Inventory of Industrial Chemicals (Inventory). While on the Inventory, the introduction (import and manufacture) of PeCB as an industrial chemical was authorised in Australia.

As PeCB has been removed from the Inventory it cannot be introduced under the listed category. This has the effect of severely restricting the introduction of the chemical into Australia.

Use or uses that remain allowed: Introduction of pentachlorobenzene for use solely in research and development remains allowed. If introduced for this use, it cannot be made available to the public, and appropriate procedures and safety controls must be in place to eliminate or minimise the risks from the introduction to persons involved in the research and the environment.

The final regulatory action was based on a risk or hazard evaluation: Yes

Summary of the final regulatory action: Consistent with requirements under the Industrial Chemicals Act 2019, sections 95, 159(2), the Executive Director of the Australian Industrial Chemicals Introduction Scheme (AICIS) declares that:

Benzene, 1,2,3,4,5-pentachloro- (CAS RN 680-93-5) was removed from the Australian Inventory of Industrial Chemicals on 8 February 2023. The introduction and use of this chemical is now severely restricted as defined in the Rotterdam Convention.

The reasons for the final regulatory action were relevant to: Human health and environment.

Summary of known hazards and risks to human health: The critical health effect for risk characterisation is acute toxicity following oral exposure. Effects on the liver, kidneys, and central nervous system from pentachlorobenzene (PeCB) have been reported in experimental animals. Repeated exposure to PeCB has been linked to adverse effects on the liver and kidneys.

PeCB was classified as Acute Toxic 4 (H302) according to the GHS.

Risks to the public: There is a global phase out of manufacture and use of PeCB; therefore, public exposure from the use of articles containing PeCB is expected to decline to minimal levels as the articles reach the end of their useful life. Re-introduction and subsequent use of PeCB could increase the risk to the public based on the health effects and potential for exposure, including secondary exposure from their environment.

Risks to workers: The major route of occupational exposure is expected to be due to release of the chemical from articles. Articles containing PeCB are no longer imported into Australia. Occupational exposure from use of articles is expected to decline to minimal levels due to the global phase-out of PeCB. Re-introduction and subsequent use of PeCB could increase the risk to workers based on the health effects and potential for exposure, including secondary exposure from their environment.

Expected effect of the final regulatory action in relation to human health: The expected effect of the final regulatory action is that it will reduce the potential risk posed by pentachlorobenzene to human health by preventing re-introduction and use.

Summary of known hazards and risks to the environment: Pentachlorobenzene (PeCB) meets the persistence, bioaccumulation, potential for long-range environmental transport, and potential for adverse effects criteria of Annex D of the Stockholm Convention. It has been listed in Annexes A and C of the Convention since 2009. As a Persistent Organic Pollutant, PeCB is highly hazardous to the environment.

PeCB was classified as acute aquatic category 1 (H400) and chronic aquatic category 1 (H410) according to the GHS.

PeCB is not actively used in Australia. It may be present as an impurity in some industrial chemical products. Sources of PeCB emission to the Australian environment from historical uses may include:

- Emissions to air from incomplete combustion of solid organic wastes in open landfills and municipal incinerators
- Diffuse source emissions from old electrical equipment and products that contain this chemical
- Diffuse emissions from agricultural fields that result from either PeCB impurities present in the applied pesticides or from degradation of legacy hexachlorobenzene (CAS RN 118-74-1), quintozone and other chlorinated pesticides.

Risks to the environment: There are significant long term risks to the environment from the introduction and use of the chemical, including from introduction in articles.

Expected effect of the final regulatory action in relation to the environment: The expected effect of the final regulatory action is that it will reduce the potential risk posed by pentachlorobenzene to the environment by preventing re-introduction and use.

Date of entry into force of the final regulatory action: 08/02/2023

CHILE

Common Name(s): Chlorpyrifos

CAS number(s): 2921-88-2

Chemical Name: *O,O*-Diethyl *O*-(3,5,6-trichloro-2-pyridinyl) phosphorothioate

Final regulatory action has been taken for the category: Pesticide

Final regulatory action: The chemical is banned.

Summary of the final regulatory action: Import and manufacturing of pesticides containing Chlorpyrifos (Chlorpyrifos-ethyl) is prohibited, and the current authorizations for pesticides containing Chlorpyrifos (Chlorpyrifos-ethyl) are cancelled, as of 12 December 2022.

The stocks in the country of canceled pesticides may be distributed, exported, sold, held or used, for a maximum period of two (2) years as of 12 December 2022 or until exhausted, whichever comes first. Exceptionally, the Agricultural and Livestock Service (SAG) will authorize by resolution the admission of analytical standards of Chlorpyrifos (Chlorpyrifos-ethyl), used to determine its presence in surveillance and monitoring programs, or in studies of pesticide residues in the agriculture.

Violations of this measure will be sanctioned as provided for in the second paragraph of article 42 of Decree Law No. 3.557

<https://www.bcn.cl/leychile/navegar?idNorma=7178> and according to Law N. 18.755, <https://www.bcn.cl/leychile/navegar?idNorma=30135>

Use or uses prohibited by the final regulatory action: *O,O*-diethyl *O*-3,5,6-trichloropyridin-2-yl phosphorothioate Pynex 48% EC; Chlorpyrifos 48% EC; Chlorpyrifos 480 EC; Pointer 15G; Proton 50 EC; Chorpyrifos 50% WP; Pynex 25 CS; Master 25 CS; Trojan 50 WP; Master 48% EC; Chlorpyrifos S 480; Chlorpyrifos 480 EC

The final regulatory action was based on a risk or hazard evaluation: No

Basis for final regulatory action with the exception of risk and hazard assessment:

1. It is the responsibility of the Agricultural and Livestock Service (SAG) to exercise the functions of regulating, restricting, or prohibiting the manufacture, import, export, distribution, sale, possession and use of pesticides used in agriculture and forestry, and in other areas of competence of this Service.
2. A comprehensive review of new scientific information has been carried out on the risks to human health, the environment and the agricultural effectiveness associated with these pesticides, which has determined the prohibition of Chlorpyrifos Ethyl, due to the long period elapsed from the original authorization of these pesticides.
3. Within the afore mentioned background, it should be noted that Chlorpyrifos-ethyl:
 - Is a broad-spectrum insecticide from the chemical group of Organophosphates, for which potential risks to human health and the environment associated with the use of pesticides containing this active substance have been identified, highlighting its neurotoxic potential.
 - It is classified according to the criteria of the Globally Harmonized System of Classification and Labeling of Chemicals (SGA or GHS) as "Acute toxic by ingestion - Category 3", "Short-term hazard (acute) to the aquatic environment - Category 1", "Long-term (chronic) hazard to the aquatic environment - Category 1."

- It is classified as Highly Toxic to Bees by the United States Environmental Protection Agency (EPA).

Additional information related to the chemical or the final regulatory action:

ACHIPIA. Food Information and Alerting Network (RIAL). Notification report. Chilean Agency for Food Safety and Quality. https://www.achipia.gob.cl/documentos_y_presentaciones/

Bonner, M. R., & Alavanja, M. C. R. (2017). Pesticides, human health, and food security. *Food and Energy Security*, 6(3), 89-93. <https://doi.org/10.1002/fes3.112>

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EFSA. (2011). Conclusion on the peer review of the pesticide risk assessment of the active substance chlorpyrifos. *EFSA Journal*, 9(1), 1-14. <https://doi.org/10.2903/j.efsa.2011.1961>

EFSA. (2014). Conclusion on the peer review of the pesticide human health risk assessment of the active substance chlorpyrifos. *EFSA Journal*, 12(4), 1-34. <https://doi.org/10.2903/j.efsa.2014.3640>

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Elgueta, S., Fuentes, M., Valenzuela, M., Zhao, G., Liu, S., Lu, H., & Correa, A. (2019). Pesticide residues in ready-to-eat leafy vegetables from markets of Santiago, Chile, and consumer's risk. *Food Additives and Contaminants: Part B Surveillance*, 12(4), 259-267. <https://doi.org/10.1080/19393210.2019.1625975>

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Elgueta, S., Valenzuela, M., Fuentes, M., Meza, P., Manzur, J. P., Liu, S., Zhao, G., & Correa, A. (2020). Pesticide residues and health risk assessment in tomatoes and lettuces from farms of metropolitan region Chile. *Molecules*, 25(2). <https://doi.org/10.3390/molecules25020355>

National Food Consumption Survey, ENCA (2014), Ministry of Health, Government of Chile, <https://www.minsal.cl/sites/default/files/ENCA.pdf>

EU. (2019). COMMISSION REGULATION (EU) 2019/58 of 14 January 2019 amending Annexes II, III and V of Regulation (EC) nr. 396/2005 of the European Parliament and Council regarding maximum residue limits for chlorpyrifos and chlorpyrifos-methyl. 12(396), 2019-2020. <https://eur-lex.europa.eu/eli/reg/2020/1085/oj>

Huang, X., Cui, H., & Duan, W. (2020). Ecotoxicity of chlorpyrifos to aquatic organisms: A review. *Ecotoxicology and Environmental Safety*, 200(February). <https://doi.org/10.1016/j.ecoenv.2020.110731>

JMPR. (2004). Pesticide residues in food 2004. Joint FAO/WHO Meeting on Pesticide Residues. WORLD HEALTH ORGANIZATION and FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

Kim, K. H., Kabir, E., & Jahan, S. A. (2017). Exposure to pesticides and the associated human health effects. In *Science of the Total Environment* (Vol. 575, pp. 525-535). Elsevier B.V. <https://doi.org/10.1016/j.scitotenv.2016.09.009>

Lewis, K. A., Tzilivakis, J., Warner, D. J., & Green, A. (2016). An international database for pesticide risk assessments and management. *Human and Ecological Risk Assessment*, 22(4), 1050-1064. <https://doi.org/10.1080/10807039.2015.1133242>

MINSAL (2020) Exempt Resolution 892/2020: Approves Technical Regulation No. 209 establishing Maximum Limits of Pesticide Residues in Foods and cancels Exempt Resolution No. 33, 2010, of the Ministry of Health, Ministry of Health, Undersecretariat of Public Health. Chile Law. <https://www.bcn.cl/leychile/navegar?idNorma=1152226>

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REVEP. (2019). National surveillance of pesticides acute poisoning - REVEP. Department of Epidemiology, Health Planning Division, Undersecretary of Public Health, Ministry of Health, Chile.

USEPA. (2020a). Chlorpyrifos. Proposed Interim Registration Review Decision Case Number 0100. December 2020. Docket Num (EPA-HQ-OPP-2008-0850).

USEPA. (2020c). Pesticide Registration Review; Proposed Interim Decision for Chlorpyrifos; Notice of Availability. Federal Register, 85(235), 78849-78851.

Zúñiga-Venegasa, L., Saracina, C., Pancetti, F., Teresa Muñoz-Quezada, M., Lucero, B., Foerster, C., Cortés, S. 2020. Pesticide exposure in Chile and population health: urgency for decision-making. Sanitary Gazette Available online 16 July. <https://doi.org/10.1016/j.gaceta.2020.04.020>

Date of entry into force of the final regulatory action: 12/12/2022

CHILE

Common Name(s): Chlorpyrifos methyl

CAS number(s): 5598-13-0

Chemical Name: O,O-Dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate

Final regulatory action has been taken for the category: Pesticide

Final regulatory action: The chemical is banned.

Summary of the final regulatory action: Import and manufacturing of pesticides containing Chlorpyrifos-Methyl is prohibited, and the current authorizations for pesticides containing Chlorpyrifos-Methyl are cancelled, as of 12 December 2022.

Exceptionally, the Agricultural and Livestock Service (SAG) will authorize by resolution the admission of analytical standards of Chlorpyrifos-Methyl, used to determine its presence in surveillance and monitoring programs, or in studies of pesticide residues in agriculture.

Violations of this measure will be sanctioned as provided for in the second paragraph of article 42 of Decree Law No. 3.557

(<https://www.bcn.cl/leychile/navegar?idNorma=7178>) y de acuerdo con la Ley N° 18.755, (<https://www.bcn.cl/leychile/navegar?idNorma=30135>).

Use or uses prohibited by the final regulatory action: Pyrinex 48 % EC; Clorpirifos 48 % CE; Chlorpyrifos 480 EC; Pointer 15 G; Proton 50 EC; Chorpirifos 50% WP; Pyrinex 25 CS; Master 25 CS; Troya 50 WP; Master 48% EC; Clorpirifos S 480; Clorpirifos 480 EC (insecticide)

The final regulatory action was based on a risk or hazard evaluation: No

Basis for final regulatory action with the exception of risk and hazard assessment:

1. It is the responsibility of the Agricultural and Livestock Service (SAG) to exercise the functions of regulating, restricting, or prohibiting the manufacture, import, export, distribution, sale, possession and use of pesticides used in agriculture and forestry, and in other areas of competence of this Service.
2. A comprehensive review of new scientific information has been carried out on the risks to human health, the environment and the agricultural effectiveness associated with these pesticides, which has determined the prohibition of Chlorpyrifos Methyl, due to the long period elapsed from the original authorization of these pesticides.
3. Within the aforementioned background, it should be noted that Chlorpyrifos Methyl:
 - Is a broad-spectrum insecticide from the chemical group of Organophosphates, for which potential risks to human health and the environment associated with the use of pesticides containing this active substance have been identified, highlighting its neurotoxic potential.
 - It is classified according to the criteria of the Globally Harmonized System of Classification and Labeling of Chemicals (SGA or GHS) as "Skin Sensitizer - Category 1A", "Short-term hazard (acute) to the aquatic environment - Category 1", "Long-term (chronic) hazard to the aquatic environment - Category 1."
 - It is classified as Highly Toxic to Bees by the United States Environmental Protection Agency (EPA).

Additional information related to the chemical or the final regulatory action:

ACHIPIA. Food Information and Alerting Network (RIAL). Notification report. Chilean Agency for Food Safety and Quality. https://www.achipia.gob.cl/documentos_y_presentaciones/

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- Elgueta, S., Valenzuela, M., Fuentes, M., Meza, P., Manzur, J. P., Liu, S., Zhao, G., & Correa, A. (2020). Pesticide residues and health risk assessment in tomatoes and lettuces from farms of metropolitan region Chile. *Molecules*, 25(2). <https://doi.org/10.3390/molecules25020355>
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- Huang, X., Cui, H., & Duan, W. (2020). Ecotoxicity of chlorpyrifos to aquatic organisms: A review. *Ecotoxicology and Environmental Safety*, 200(February). <https://doi.org/10.1016/j.ecoenv.2020.110731>
- JMPR. (2004). Pesticide residues in food 2004. Joint FAO/WHO Meeting on Pesticide Residues. WORLD HEALTH ORGANIZATION and FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.
- Kim, K. H., Kabir, E., & Jahan, S. A. (2017). Exposure to pesticides and the associated human health effects. In *Science of the Total Environment* (Vol. 575, pp. 525-535). Elsevier B.V. <https://doi.org/10.1016/j.scitotenv.2016.09.009>
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- OECD. (2009). THE WORKING PARTY ON CHEMICALS, PESTICIDES AND BIOTECHNOLOGY ENV / JM / MONO (2010) 46 Unclassified. Development, 33 (November 2007)
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Zúñiga-Venegasa, L., Saracina, C., Pancetti, F., Teresa Muñoz-Quezada, M., Lucero, B., Foerster, C., Cortés, S. 2020. Pesticide exposure in Chile and population health: urgency for decision-making. Sanitary Gazette available online 16 July. <https://doi.org/10.1016/j.gaceta.2020.04.020>

Date of entry into force of the final regulatory action: 12/12/2022

CHILE

Common Name(s): Methomyl

CAS number(s): 16752-77-5

Chemical Name: S-methyl (EZ)-N-(methylcarbamoyloxy)thioacetimidate

Final regulatory action has been taken for the category: Pesticide

Final regulatory action: The chemical is banned.

Summary of the final regulatory action: It is prohibited Import and manufacturing of pesticides containing Methomil, and the current authorizations for pesticides containing Methomil are cancelled, as of 12 December 2022.

The stocks in the country of canceled pesticides may be distributed, exported, sold, held or used, for a maximum period of two (2) years as of 12 December 2022 or until exhausted, whichever comes first. Exceptionally, the Agricultural and Livestock Service (SAG) will authorize by resolution the admission of analytical standards of Methomil, used to determine its presence in surveillance and monitoring programs, or in studies of pesticide residues in agriculture.

Violations of this measure will be sanctioned as provided for in the second paragraph of article 42 of Decree Law No. 3.557

(<https://www.bcn.cl/leychile/navegar?idNorma=7178>) y de acuerdo con la Ley N° 18.755, (<https://www.bcn.cl/leychile/navegar?idNorma=30135>).

Use or uses prohibited by the final regulatory action: Pesticide for agricultural use with pesticide properties.

Metomyl 90% PS; 90 SP bullet; Kuik 90 SP; Greko 90 SP; Metomil 90 SP (insecticide)

The final regulatory action was based on a risk or hazard evaluation: No

Basis for final regulatory action with the exception of risk and hazard assessment:

1. It is the responsibility of the Agricultural and Livestock Service (SAG) to exercise the functions of regulating, restricting, or prohibiting the manufacture, import, export, distribution, sale, possession and use of pesticides used in agriculture and forestry, and in other areas of competence of this Service.
2. A comprehensive review of new scientific information has been carried out on the risks to human health, the environment and agricultural effectiveness associated with these pesticides, which has determined the prohibition of Methomyl, due to the long period elapsed from the original authorization of these pesticides.
3. Within the aforementioned background, it should be noted that Methomyl:
 - Is a broad-spectrum insecticide from the chemical group of Carbamates, for which potential risks to human health and the environment associated with the use of pesticides containing this active substance have been identified.
 - It is classified by WHO as 'Highly hazardous - Cat 1B'
 - It is classified according to the criteria of the Globally Harmonized System of Classification and Labeling of Chemicals (SGA or GHS) as "Acute toxic by ingestion - Category 1", "Short-term hazard (acute) to the aquatic environment - Category 1", "Long-term (chronic) hazard to the aquatic environment - Category 1."
 - It is classified as Highly Toxic to Bees by the United States Environmental Protection Agency (EPA).

Additional information related to the chemical or the final regulatory action:

ACHIPIA. Food Information and Alerting Network (RIAL). Notification report. Chilean Agency for Food Safety and Quality. https://www.achipia.gob.cl/documentos_y_presentaciones/

Bird, L. J. (2018). Pyrethroid and carbamate resistance in Australian *Helicoverpa armigera* (Lepidoptera: Noctuidae) from 2008 to 2015: What has changed since the introduction of Bt cotton? *Bulletin of Entomological Research*, 108(6), 781-791. <<https://doi.org/10.1017/S0007485317001316>>

- EC. (2009b). Review report for the active substance Methomyl finalized in the Standing Committee on the Food Chain and Animal Health at its meeting on 12 June 2009 in view of the inclusion of methomyl in Annex I of Directive 91/414/EEC. EUROPEAN COMMISSION HEALTH & CONSUMERS DIRECTORATE-GENERAL, SANCO/5449/2009 final. <https://eurlex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52007PC0290>
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- Insecticide Resistance Action Committee, IRAC (2019), 'Clasificación del modo de acción de insecticidas y acaricidas, España' (Classification on action mode of insecticides and acaricides, Spain'. <https://irac-online.org/modes-of-action/>
- Kim, K. H., Kabir, E., & Jahan, S. A. (2017). Exposure to pesticides and the associated human health effects. In Science of the Total Environment (Vol. 575, pp. 525-535). Elsevier B.V. <https://doi.org/10.1016/j.scitotenv.2016.09.009>
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Date of entry into force of the final regulatory action: 12/12/2022

CHILE

Common Name(s):

CAS number(s):

Mixture of:

- | | |
|----------------------------------|------------|
| - Glyphosate | 1071-83-6 |
| - Ethoxylated tallow alkylamines | 61791-26-2 |

Chemical Name:

Mixture of:

- | | |
|-----------------------------|--|
| - Glyphosate: | IUPAC and CAS: <i>N</i> -(Phosphonomethyl)glycine |
| - Ethoxylated tallow amine: | IUPAC: <i>N,N</i> -Bis- α -ethyl- ω -hydroxypoly(oxy-1,2-ethanediyl) tallow alkylamines
CAS: Ethoxylated tallow alkylamines |

Final regulatory action has been taken for the category: Pesticide

Final regulatory action: The chemical is banned.

Summary of the final regulatory action: Import and manufacture of pesticides that contain in their formulation the mixture of Glyphosate and the ethoxylated tallow amine surfactant (=Polyethoxylated Tallowamine), whose CAS No. = 61791-26-2, is prohibited in all formulations for agricultural and forestry use.

The authorisations of pesticides Glyphosate formulated that contain in their formulation ethoxylated tallow amine surfactant (=polyethoxylated tallowamine) are cancelled.

It is mandatory to declare to SAG (Agricultural and Livestock Service) the composition of any formulation of agricultural use pesticides based on Glyphosate that are imported or formulated in the country, by a Certificate of Composition issued by the manufacturer, which must accompany the documentation of each consignment imported into the country, or each batch formulated in Chile.

Violations of this measure will be sanctioned as provided for in the second paragraph of article 42, Decree Law No. 3557 (<https://www.bcn.cl/leychile/navegar?idNorma=7178>) and in accordance to Law No. 18.755, (<https://www.bcn.cl/leychile/navegar?idNorma=30135>).

Use or uses prohibited by the final regulatory action: All agricultural and forestry formulations based on the active substance Glyphosate that contain in their formulation ethoxylated tallow amine surfactant (=Polyethoxylated Tallowamine).

Comercial name	Active Substance	Use Class
BINGO 48 SL	Glyphosate - Isopropylammonium	Herbicide

The final regulatory action was based on a risk or hazard evaluation: No

Basis for final regulatory action with the exception of risk and hazard assessment:

This measure considered the following points:

1. That it is the responsibility of the Agricultural and Livestock Service to regulate, restrict, or prohibit the manufacturing, importation, exportation, distribution, sale, possession, and application of pesticides.
2. That in 2015, the International Agency for Research on Cancer (IARC) published a monograph with extensive information on the toxicology of formulated glyphosate and other relevant data. As a result, the authors of the monograph support the classification of glyphosate in Group 2A, as probably carcinogenic.
3. That the available scientific literature indicates that the co-formulant known as ethoxylated tallow amine (=Polyethoxylated Tallowamine), (=POE Tallowamine), with CAS Number 61791-26-2, is present in older formulations of Glyphosate with the purpose of enhancing the herbicide absorption by weeds. These formulations exhibit higher toxicological behaviour in all evaluated parameters compared to those formulations containing other co-formulants.
4. On 12 December 2017, in the Official Journal of the European Union, the Implementing Regulation (EU) No. 2017/2324 was published, through which the European Union renewed the authorization of Glyphosate. The regulation resolved that phytosanitary products containing glyphosate couldn't contain the co-formulant ethoxylated tallow amine (=Polyethoxylated Tallowamine). Additionally, special attention was given to the protection of workers and non-professional users.

5. That Russia implemented the same restriction measure in 2018 by prohibiting the commercialization of mixtures of glyphosate and ethoxylated tallow amine surfactant (=Polyethoxylated Tallowamine), CAS No. 61791-26-2.

6. That, in 2018, the SAG, after analysing the available information, began the review of authorized pesticides that, up to that date, contained the combination of glyphosate and ethoxylated tallow amine surfactant (=Polyethoxylated Tallowamine), and holders of authorizations were requested to provide updated toxicological information regarding those pesticides.

7. That, since October 2018, SAG has actively promoted with companies holding pesticide authorizations containing glyphosate and ethoxylated tallow amine surfactant (=Polyethoxylated Tallowamine) the substitution of the co-formulant. This substitution is facilitated through the minor changes mechanism outlined in Resolution 1557/2014, which establishes requirements for pesticide authorization and repeals Resolution No. 3,670 - 1999; these substitution processes have been implemented gradually.

Additional information related to the chemical or the final regulatory action:

European Union (EU) Regulation

• Hazard classification published by the European Chemicals Agency (ECHA) for ethoxylated tallow amine surfactant (=Polyethoxylated Tallowamine) CAS No. 61791-26-2: https://echa.europa.eu/es/substance-information/-/substanceinfo/100.105.649#OTHER_IDENTIFIERScontainer

CHILE

Common Name(s): Paraquat dichloride

CAS number(s): 1910-42-5

Chemical Name: 4,4'-Bipyridinium, 1,1'-dimethyl-, dichloride

Final regulatory action has been taken for the category: Pesticide

Final regulatory action: The chemical is banned.

Summary of the final regulatory action: It is prohibited to import and manufacturing of pesticides containing Paraquat Dichloride, and the current authorizations for pesticides containing Paraquat Dichloride are cancelled, as of 12 December 2022.

The stocks in the country of canceled pesticides may be distributed, exported, sold, held or used, for a maximum period of two (2) years as of 12 December 2022 or until exhausted, whichever comes first. Exceptionally, the Agricultural and Livestock Service (SAG) will authorize by resolution the admission of analytical standards of Paraquat dichloride used to determine its presence in surveillance and monitoring programs, or in studies of pesticide residues in agriculture.

Violations of this measure will be sanctioned as provided for in the second paragraph of article 42 of Decree Law No. 3.557

(<https://www.bcn.cl/leychile/navegar?idNorma=7178>) y de acuerdo con la Ley No. 18.755, (<https://www.bcn.cl/leychile/navegar?idNorma=30135>).

Use or uses prohibited by the final regulatory action: Gramoxone Super; Farmon; Paraquat Dichloride 27,6 % SL; Kazaro 276 SL; Nuquat; Roaster; Paraquat 276 SL; Paraquat 276 SL Solchem; Thor 276 SL; Igual; Escolta 276 SL; Paraquat SL; Kemazon

The final regulatory action was based on a risk or hazard evaluation: No

Basis for final regulatory action with the exception of risk and hazard assessment:

1. It is the responsibility of the Agricultural and Livestock Service (SAG) to exercise the functions of regulating, restricting, or prohibiting the manufacture, import, export, distribution, sale, possession and use of pesticides used in agriculture and forestry, and in other areas of competence of this Service.
2. A comprehensive review of new scientific information has been carried out on the risks to human health, the environment and agricultural effectiveness associated with these pesticides, which has determined the prohibition of Paraquat Dichloride, due to the long period elapsed from the original authorization of these pesticides.
3. Within the aforementioned background, it should be noted that Paraquat Dichloride:
 - Is a non-selective herbicide from the chemical group of Bipyridils, for which potential risks to human health and the environment associated with the use of pesticides containing this active substance have been identified.

- It is classified according to the criteria of the Globally Harmonized System of Classification and Labeling of Chemicals (SGA or GHS) as "Acute toxic by inhalation - Category 2", "Acute toxic by dermal route - Category 3", "Acute toxic by ingestion - Category 3", "Specific toxicity after single exposure/May irritate respiratory tract - Category 3", "Specific Toxicity after repeated exposure/Respiratory system - Category 1", "Skin irritation/corrosion - Category 2", "Serious eye damage/eye irritation - Category 2", "Short-term (acute) hazard to the aquatic environment - Category 1", "Long-term (chronic) hazard to the aquatic environment - Category 1".

Additional information related to the chemical or the final regulatory action:

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Environmental Protection Agency (EPA) (2014), Paraquat Dichloride; Pesticide Tolerance, Federal Register, The Daily Journal of the United States Government, <https://www.federalregister.gov/documents/2014/10/29/2014-25592/paraquat-dichloride-pesticidetolerance>

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Date of entry into force of the final regulatory action: 12/12/2022

EUROPEAN UNION

Common Name(s): Bromoxynil

CAS number(s): 1689-84-5

Chemical Name: 3,5-Dibromo-4-hydroxybenzoxynil

Final regulatory action has been taken for the category: Pesticide

Final regulatory action: The chemical is banned.

Use or uses prohibited by the final regulatory action: All applications as a plant protection product.

Use or uses that remain allowed: Not relevant

The final regulatory action was based on a risk or hazard evaluation: Yes

Summary of the final regulatory action: It is prohibited to place on the market or use plant protection products containing bromoxynil because bromoxynil is not approved as an active substance in accordance with 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. EU Member States had to withdraw all authorisations for plant protection products containing bromoxynil as active substance by 14 March 2021 at the latest. Disposal, storage, placing on the market and use of existing stocks of plant protection products containing bromoxynil is prohibited as of 14 September 2021.

The reasons for the final regulatory action were relevant to: Human health and environment.

Summary of known hazards and risks to human health: In conclusion from the assessments made on the basis of the submitted information, no plant protection product containing the active substance bromoxynil is expected to satisfy in general the requirements laid down in Article 29(1) of Regulation (EC) No 1107/2009 and the uniform principles laid down in Regulation (EU) No 546/2011.

According to the evaluation related to human health the following concerns were identified:

- A high risk to child residents even taking into account suitable mitigation measures.

The information available is insufficient to satisfy the requirements set out in Article 4(1) to (3) of Regulation (EC) No 1107/2009, in particular with regard to:

- The consumer risk assessment could not be finalised for products of animal origin considering the lack of data to perform a comprehensive livestock exposure assessment;
- The assessment of the endocrine disrupting properties of bromoxynil could not be finalised while insufficient information is available to exclude an endocrine disrupting potential of bromoxynil and its esters.

Additionally, the conclusion by EFSA indicates that during the peer review experts from Member States and EFSA suggested that bromoxynil, bromoxynil heptanoate and bromoxynil octanoate, which are currently subject to harmonised classification as toxic for reproduction category 2 (Repr. 2) in Annex VI to Regulation (EC) No 1272/2008, as well as bromoxynil butyrate should be classified as toxic for reproduction category 1B (Repr. 1B) in accordance with the classification criteria laid down in Regulation (EC) No 1272/2008.

It should be noted that EFSA does not have a mandate to adopt an opinion on the classification of a substance in accordance with Regulation (EC) No 1272/2008. However, EFSA has the mandate to undertake the risk assessment for plant protection products in accordance with Regulation (EC) No 1107/2009, which also includes a hazard assessment.

According to Annex II, Point 3.6.4 of Regulation (EC) No 1107/2009, substances that are or have to be classified as Repr. 1B can only be approved, if negligible exposure to humans is demonstrated, or if information is provided in the application that demonstrates that the active substance is necessary to control a serious danger to plant health which cannot be controlled via other available means (see Art 4.7 of Regulation (EC) No 1107/2009).

In the case of bromoxynil, negligible exposure is not demonstrated since non-dietary exposure is confirmed for operators, workers, bystanders and residents (leading to an unacceptable risk for child residents, with exposure exceeding the AOEL even taking into account suitable mitigation measures).

Expected effect of the final regulatory action in relation to human health: Reduction of risk for human health from the use of plant protection products containing bromoxynil.

Summary of known hazards and risks to the environment:

In conclusion from the assessments made on the basis of the submitted information, no plant protection product containing the active substance bromoxynil is expected to satisfy in general the requirements laid down in Article 29(1) of Regulation (EC) No 1107/2009 and the uniform principles laid down in Regulation (EU) No 546/2011. According to the evaluation related to the environment the following concerns were identified:

- A high long-term risk from dietary exposure for wild mammals for the representative uses.

The information available is insufficient to satisfy the requirements set out in Article 4(1) to (3) of Regulation (EC) No 1107/2009, in particular with regard to:

- The risk assessment to aquatic plants when exposed to bromoxynil octanoate could not be finalised due to the lack of suitable data.

Expected effect of the final regulatory action in relation to the environment: Reduction of risk for the environment from the use of plant protection products containing bromoxynil.

Date of entry into force of the final regulatory action: 17/09/2020

Complete entry into force of all provisions of Commission Implementing Regulation (EU) 2020/1276 of 11 September 2020 concerning the non-renewal of the approval of the active substance bromoxynil, 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 was on 17 September 2020.

EUROPEAN UNION

Common Name(s): Empenthrin

CAS number(s): 54406-48-3

Chemical Name: 1-Ethynyl-2-methylpent-2-enyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate

Final regulatory action has been taken for the category: Pesticide

Final regulatory action: The chemical is banned.

Use or uses prohibited by the final regulatory action: Applications as a biocidal product for product-type 18 (insecticides, acaricides and products to control other arthropods).

Use or uses that remain allowed: Not relevant

The final regulatory action was based on a risk or hazard evaluation: Yes

Summary of the final regulatory action: It is prohibited to place on the market or use biocidal products containing empenthrin because empenthrin is not approved as an active substance for use in biocidal products of product-type 18 under 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. EU Member States had to withdraw authorisations for biocidal products containing empenthrin as active substance by 7 April 2019 at the latest. Disposal, storage, placing on the market and use of existing stocks of biocidal products containing empenthrin is prohibited as of 4 October 2019 at the latest.

The reasons for the final regulatory action were relevant to: Human health and environment.

Summary of known hazards and risks to human health: In conclusion from the evaluation made on the basis of the submitted information, it is concluded that biocidal products containing empenthrin as an active substance for the use as insecticide may not be expected to meet the criteria laid down in point (b)(iii), (b)(iv) and (c) of Article 19(1) of Regulation (EU) No 528/2012. Consequently, empenthrin shall not be approved and included in the Union list of approved active substances in product type 18. The scenarios evaluated in the human health

assessment identified unacceptable risks for primary exposure (via inhalation) and for secondary exposure scenarios (via dermal and oral route) to the biocidal product for adults, children and toddlers. No safe use of empenhrin could be identified. In addition, it was not possible to assess whether empenhrin meets the exclusion criteria laid down in Article 5(1)(a) of Regulation (EU) No 528/2012 due to lack of data relevant for carcinogenicity assessment. The lack of carcinogenicity data results in an unacceptable data gap.

Expected effect of the final regulatory action in relation to human health: Reduction of risk for human health from the use of biocidal products containing empenhrin.

Summary of known hazards and risks to the environment: In conclusion from the evaluation made on the basis of the submitted information, it is concluded that biocidal products containing empenhrin as an active substance for the use as insecticide may not be expected to meet the criteria laid down in point (b)(iii), (b)(iv) and (c) of Article 19(1) of Regulation (EU) No 528/2012. Consequently, empenhrin shall not be approved and included in the Union list of approved active substances in product type 18. The scenarios evaluated in the environmental assessment identified unacceptable risks in surface water and soil, and more particularly for soil organisms based on available data and the proposed use pattern of empenhrin.

Expected effect of the final regulatory action in relation to the environment: Reduction of risk for the environment from the use of biocidal products containing empenhrin.

Date of entry into force of the final regulatory action: 09/10/2018

Complete entry into force of all provisions of Commission Implementing Decision (EU) 2018/1251 of 18 September 2018 not approving empenhrin as an existing active substance for use in biocidal products of product- type 18 was on 9 October 2018.

EUROPEAN UNION

Common Name(s): Ethoxyquin

CAS number(s): 91-53-2

Chemical Name: 1,2-Dihydro-2,2,4-trimethylquinolin-6-yl ethyl ether

Final regulatory action has been taken for the category: Pesticide

Final regulatory action: The chemical is banned.

Use or uses prohibited by the final regulatory action: All applications as a plant protection product.

Use or uses that remain allowed: Not relevant

The final regulatory action was based on a risk or hazard evaluation: Yes

Summary of the final regulatory action: It is prohibited to place on the market or use plant protection products containing ethoxyquin because ethoxyquin is not approved as an active substance in accordance with 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.

EU Member States had to withdraw all authorisations for plant protection products containing ethoxyquin as active substance by 3 September 2011 at the latest. Disposal, storage, placing on the market and use of existing stocks of plant protection products containing ethoxyquin is prohibited as of 3 September 2012.

The reasons for the final regulatory action were relevant to: Human health and environment

Summary of known hazards and risks to human health:

In conclusion from the assessments made on the basis of the submitted information, no plant protection products containing the active substance ethoxyquin are expected to satisfy in general the requirements laid down in Article 5 (1) (a) and (b) of Council Directive 91/414/EEC. Ethoxyquin should therefore not be included in Annex I to Directive 91/414/EEC.

According to the evaluation related to human health concerns were identified with regard to:

- consumers, operators and workers, since no residue definition and no reference values could be set for ethoxyquin and its metabolites.

The information available is insufficient to satisfy the requirements set out in Annex II and Annex III to Directive 91/414/EEC in particular with regard to:

- the toxicological risk assessment for ethoxyquin and its metabolites and for the potentially genotoxic impurity 7 in the technical specification.
- the consumer, the operator and the worker risk assessment which could not be conducted (reference values and residue definition could not be set due to the limited toxicological data package).

Expected effect of the final regulatory action in relation to human health: Reduction of potential risks for human health from the use of plant protection products containing ethoxyquin.

Summary of known hazards and risks to the environment:

In conclusion from the assessments made on the basis of the submitted information, no plant protection products containing the active substance ethoxyquin are expected to satisfy in general the requirements laid down in Article 5 (1) (a) and (b) of Council Directive 91/414/EEC. Ethoxyquin should therefore not be included in Annex I to Directive 91/414/EEC. The information available is insufficient to satisfy the requirements set out in Annex II and Annex III to Directive 91/414/EEC in particular with regard to

- the exposure assessment of the environmental compartments via aerial deposition of potentially volatile photolytic transformation products and impurity 7,
- the risk assessment for non-target organisms.

Expected effect of the final regulatory action in relation to the environment: Reduction of potential risks for the environment from the use of plant protection products containing ethoxyquin.

Date of entry into force of the final regulatory action: 04/03/2011

Complete entry into force of all provisions of Commission Decision 2011/143/EU of 3 March 2011 concerning the non-inclusion of ethoxyquin in Annex I to Council Directive 91/414/EEC and amending Commission Decision 2008/941/EC was 4 March 2011.

Synopsis of notifications of final regulatory action received since the last PIC Circular

PART B

**NOTIFICATIONS OF FINAL REGULATORY ACTION THAT HAVE BEEN
VERIFIED AS NOT CONTAINING ALL THE INFORMATION REQUIRED BY
ANNEX I TO THE CONVENTION**

None.

PART C

**NOTIFICATIONS OF FINAL REGULATORY ACTION STILL UNDER
VERIFICATION**

None.

APPENDIX II

**PROPOSALS FOR INCLUSION OF SEVERELY HAZARDOUS PESTICIDE
FORMULATIONS IN THE PIC PROCEDURE**

PART A

**SUMMARY OF EACH PROPOSAL FOR INCLUSION OF A SEVERELY
HAZARDOUS PESTICIDE FORMULATION THAT HAS BEEN VERIFIED TO
CONTAIN ALL INFORMATION REQUESTED BY PART 1 OF ANNEX IV TO THE
CONVENTION**

None.

PART B

**PROPOSALS FOR INCLUSION OF SEVERELY HAZARDOUS PESTICIDE
FORMULATIONS STILL UNDER VERIFICATION**

None.

APPENDIX III

CHEMICALS SUBJECT TO THE PIC PROCEDURE

Chemical name	CAS No.	Category	Date of first dispatch of decision guidance document
2,4,5-T and its salts and esters	93-76-5 ¹	Pesticide	Prior to adoption of the Convention
Alachlor	15972-60-8	Pesticide	24 October 2011
Aldicarb	116-06-3	Pesticide	24 October 2011
Aldrin	309-00-2	Pesticide	Prior to adoption of the Convention
Azinphos-methyl	86-50-0	Pesticide	10 August 2013
Binapacryl	485-31-4	Pesticide	1 February 2005
Captafol	2425-06-1	Pesticide	Prior to adoption of the Convention
Carbofuran	1563-66-2	Pesticide	15 September 2017
Chlordane	57-74-9	Pesticide	Prior to adoption of the Convention
Chlordimeform	6164-98-3	Pesticide	Prior to adoption of the Convention
Chlorobenzilate	510-15-6	Pesticide	Prior to adoption of the Convention
DDT	50-29-3	Pesticide	Prior to adoption of the Convention
Dieldrin	60-57-1	Pesticide	Prior to adoption of the Convention
Dinitro- <i>ortho</i> -cresol (DNOC) and its salts (such as ammonium salt, potassium salt and sodium salt)	534-52-1 2980-64-5 5787-96-2 2312-76-7	Pesticide	1 February 2005
Dinoseb and its salts and esters	88-85-7 ¹	Pesticide	Prior to adoption of the Convention
1,2-Dibromoethane (EDB)	106-93-4	Pesticide	Prior to adoption of the Convention
Endosulfan	115-29-7	Pesticide	24 October 2011
Ethylene dichloride	107-06-2	Pesticide	1 February 2005
Ethylene oxide	75-21-8	Pesticide	1 February 2005
Fluoroacetamide	640-19-7	Pesticide	Prior to adoption of the Convention
HCH (mixed isomers)	608-73-1	Pesticide	Prior to adoption of the Convention
Heptachlor	76-44-8	Pesticide	Prior to adoption of the Convention
Hexachlorobenzene	118-74-1	Pesticide	Prior to adoption of the Convention
Lindane	58-89-9	Pesticide	Prior to adoption of the Convention
Mercury compounds, including inorganic mercury compounds, alkyl mercury compounds and alkyloxyalkyl and aryl mercury compounds		Pesticide	Prior to adoption of the Convention
Methamidophos	10265-92-6	Pesticide	15 September 2015 ²
Monocrotophos	6923-22-4	Pesticide	1 February 2005

Chemical name	CAS No.	Category	Date of first dispatch of decision guidance document
Parathion	56-38-2	Pesticide	1 February 2005
Pentachlorophenol and its salts and esters	87-86-5 ¹	Pesticide	Prior to adoption of the Convention
Phorate	298-02-2	Pesticide	16 September 2019
Terbufos	13071-79-9	Pesticide	22 October 2023
Toxaphene	8001-35-2	Pesticide	1 February 2005
All tributyltin compounds including: - Tributyltin oxide - Tributyltin fluoride - Tributyltin methacrylate - Tributyltin benzoate - Tributyltin chloride - Tributyltin linoleate - Tributyltin naphthenate	56-35-9 1983-10-4 2155-70-6 4342-36-3 1461-22-9 24124-25-2 85409-17-2	Pesticide	1 February 2009 ³
Trichlorfon	52-68-6	Pesticide	15 September 2017
Dustable powder formulations containing a combination of: - Benomyl at or above 7%, - Carbofuran at or above 10%, - Thiram at or above 15%	17804-35-2 1563-66-2 137-26-8	Severely hazardous pesticide formulation	1 February 2005
Phosphamidon (soluble liquid formulations of the substance that exceed 1000 g active ingredient/L)	13171-21-6 (mixture, (E)&(Z) isomers) 23783-98-4 ((Z)-isomer) 297-99-4 ((E)-isomer)	Severely hazardous pesticide formulation	Prior to adoption of the Convention
Methyl-parathion (emulsifiable concentrates (EC) at or above 19.5% active ingredient and dusts at or above 1.5% active ingredient)	298-00-0	Severely hazardous pesticide formulation	Prior to adoption of the Convention
Asbestos: - Actinolite - Anthophyllite - Amosite - Crocidolite - Tremolite	77536-66-4 77536-67-5 12172-73-5 12001-28-4 77536-68-6	Industrial	1 February 2005 1 February 2005 1 February 2005 Prior to adoption of the Convention 1 February 2005
Commercial octabromodiphenyl ether including: - Hexabromodiphenyl ether - Heptabromodiphenyl ether	36483-60-0 68928-80-3	Industrial	10 August 2013
Commercial pentabromodiphenyl ether including: - Tetrabromodiphenyl ether - Pentabromodiphenyl ether	40088-47-9 32534-81-9	Industrial	10 August 2013
Decabromodiphenyl ether	1163-19-5	Industrial	21 October 2022
Hexabromocyclododecane	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	Industrial	16 September 2019

Chemical name	CAS No.	Category	Date of first dispatch of decision guidance document
Perfluorooctane sulfonic acid, perfluorooctane sulfonates, perfluorooctane sulfonamides and perfluorooctane sulfonyls including: - Perfluorooctane sulfonic acid - Potassium perfluorooctane sulfonate - Lithium perfluorooctane sulfonate - Ammonium perfluorooctane sulfonate - Diethanolammonium perfluorooctane sulfonate - Tetraethylammonium perfluorooctane sulfonate - Didecyldimethylammonium perfluorooctane sulfonate - <i>N</i> -Ethylperfluorooctane sulfonamide - <i>N</i> -Methylperfluorooctane sulfonamide - <i>N</i> -Ethyl- <i>N</i> -(2-hydroxyethyl) perfluorooctane sulfonamide - <i>N</i> -(2-Hydroxyethyl)- <i>N</i> -methylperfluorooctane sulfonamide - Perfluorooctane sulfonyl fluoride	1763-23-1 2795-39-3 29457-72-5 29081-56-9 70225-14-8 56773-42-3 251099-16-8 4151-50-2 31506-32-8 1691-99-2 24448-09-7 307-35-7	Industrial	10 August 2013
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds ⁴	335-67-1	Industrial	21 October 2022
Polybrominated biphenyls (PBB)	36355-01-8 (hexa-) 27858-07-7 (octa-) 13654-09-6 (deca-)	Industrial	Prior to adoption of the Convention
Polychlorinated biphenyls (PCB)	1336-36-3	Industrial	Prior to adoption of the Convention
Polychlorinated terphenyls (PCT)	61788-33-8	Industrial	Prior to adoption of the Convention
Short-chain chlorinated paraffins	85535-84-8	Industrial	15 September 2017
Tetraethyl lead	78-00-2	Industrial	1 February 2005
Tetramethyl lead	75-74-1	Industrial	1 February 2005
All tributyltin compounds including: - Tributyltin oxide - Tributyltin fluoride - Tributyltin methacrylate - Tributyltin benzoate - Tributyltin chloride - Tributyltin linoleate - Tributyltin naphthenate	56-35-9 1983-10-4 2155-70-6 4342-36-3 1461-22-9 24124-25-2 85409-17-2	Industrial	15 September 2017 ⁵
Tris(2,3-dibromopropyl) phosphate	126-72-7	Industrial	Prior to adoption of the Convention

Notes:

1. Only the CAS numbers of parent compounds are listed. For a list of other relevant CAS numbers, reference may be made to the relevant decision guidance document.

2. The date relates to the date for the communication of the decision guidance document for the chemical currently included in Annex III and adopted by decision RC-7/4, which amended Annex III to list methamidophos and deleted a previous entry in Annex III for “methamidophos (soluble liquid formulations of the substance that exceed 600 g active ingredient/L)”.
3. See the related entry for all tributyltin compounds within the industrial category. Tributyltin compounds were initially listed within the pesticide category by decision RC-4/5 and the initial decision guidance document communicated to Parties related solely to the pesticide category. Decision RC-8/5 subsequently amended Annex III to list all tributyltin compounds also in the industrial category, with the amendment entering into force on 15 September 2017. A revised decision guidance document was also approved (see note 5).
4. The following substances are included in this designation:
 - Perfluorooctanoic acid (PFOA) and its salts
 - Any related substance (including its salts and polymers) having a linear or branched perfluoroheptyl group with the formula C_7F_{15} - directly attached to another carbon atom as one of the structural elements
 - Any related substance (including its salts and polymers) having a linear or branched perfluorooctyl group with the formula C_8F_{17} - as one of the structural elements

The following substances are excluded from this designation:

- C_8F_{17} -X, where X = F, Cl, Br
 - C_8F_{17} -C(=O)OH, C_8F_{17} -C(=O)O-X' or C_8F_{17} -CF₂-X' (where X' = any group, including salts)
 - Perfluorooctane sulfonic acid (PFOS) and its derivatives ($C_8F_{17}SO_2X$ (X = OH, metal salt (O-M⁺), halide, amide and other derivatives including polymers))
5. This entry refers to the date for communication of the revised decision guidance document for tributyltin compounds, which relates to both the pesticide and industrial categories, which was approved by decision RC-8/5.

APPENDIX IV**LISTING OF ALL IMPORT RESPONSES RECEIVED FROM PARTIES AND
CASES OF FAILURE TO SUBMIT RESPONSES**

All import responses received from Parties and cases of failure to submit responses are available on the Convention website: <http://www.pic.int/tabid/1370/language/en-US/Default.aspx>.

The online database is presented with four tabs:

1. Import responses recently transmitted;
2. Import responses by Party;
3. Import responses by Chemical;
4. Cases of failure to submit responses.

The import responses received since the last PIC Circular (between 1 May 2023 and 31 October 2023) may be viewed under the first tab “Import responses recently transmitted”. The overview of those import responses is available in this appendix.

All import responses, including latest and previously transmitted information, may be viewed under the second tab “Import responses by Party” or the third tab “Import responses by Chemical”.

The cases of failure to submit responses are available under the fourth tab “Cases of failure to submit responses”. It also includes the date on which the Secretariat first informed all Parties, through publication in the PIC Circular, of cases of failure to transmit a response.

OVERVIEW OF NEW IMPORT RESPONSES RECEIVED SINCE THE LAST PIC CIRCULAR

Pesticides

Aldicarb

Brazil
Namibia

Aldrin

Namibia

Binapacryl

Namibia

Captafol

Namibia

Carbofuran

Brazil

Chlordane

Namibia

Chlordimeform

Namibia

Chlorobenzilate

Namibia

DDT

Namibia

Dieldrin

Namibia

Dinitro-ortho-cresol (DNOC) and its salts (such as ammonium salt, potassium salt and sodium salt)

Namibia

Dinoseb and its salts and esters

Namibia

1,2-Dibromoethane (EDB)

Namibia

Heptachlor

Namibia

Hexachlorobenzene

Namibia

Lindane

Namibia

Mercury compounds, including inorganic mercury compounds, alkyl mercury compounds and alkyloxyalkyl and aryl mercury compounds

Maldives

Monocrotophos

Maldives

Phorate

Brazil
Namibia

Terbufos

Norway
Oman
Palestine

Trichlorfon

Brazil

Severely hazardous pesticide formulations

Methyl-parathion (emulsifiable concentrates (EC) at or above 19.5% active ingredient and dusts at or above 1.5% active ingredient)

Brazil
Maldives
Namibia

Industrial Chemicals

Commercial octabromodiphenyl ether (including hexabromodiphenyl ether and heptabromodiphenyl ether)

Argentina
Chile
Sri Lanka

Commercial pentabromodiphenyl ether (including tetrabromodiphenyl ether and pentabromodiphenyl ether)

Argentina
Chile
Sri Lanka

Decabromodiphenyl ether

Argentina
 Australia
 Brazil
 El Salvador
 European Union
 Montenegro
 North Macedonia
 Norway
 Oman
 Serbia
 Thailand
 United Kingdom of Great Britain and
 Northern Ireland
 Yemen

Hexabromocyclododecane

Argentina
 Brazil
 Chile
 Sri Lanka

**Perfluorooctane sulfonic acid,
perfluorooctane sulfonates,
perfluorooctane sulfonamides and
perfluorooctane sulfonyls**

Argentina
 Chile

**Perfluorooctanoic acid (PFOA), its salts
and PFOA-related compounds**

Argentina
 Australia
 Botswana
 Brazil
 El Salvador
 European Union
 Montenegro
 North Macedonia
 Norway
 Oman
 Serbia
 Thailand
 United Kingdom of Great Britain and
 Northern Ireland
 Yemen

Short-chain chlorinated paraffins

Argentina
 Brazil
 Chile
 Sri Lanka

Tetraethyl lead

Sri Lanka

Tetramethyl lead

Sri Lanka

All tributyltin compounds

Chile
 Sri Lanka

Tris(2,3-dibromopropyl) phosphate

Sri Lanka

APPENDIX V**NOTIFICATIONS OF FINAL REGULATORY ACTION
FOR CHEMICALS NOT LISTED IN ANNEX III**

This appendix consists of two parts:

Part A: Notifications of final regulatory action for chemicals not listed in Annex III and verified as containing all the information required by Annex I to the Convention

The table lists all the notifications received during the interim PIC procedure and the current PIC procedure (September 1998 to 31 October 2023) verified as containing all the information required by Annex I to the Convention.

Part B: Notifications of final regulatory action for chemicals not listed in Annex III and verified as not containing all the information required by Annex I to the Convention

The table lists all the notifications received during the interim PIC procedure and the current PIC procedure (September 1998 to 31 October 2023) verified as not containing all the information required by Annex I to the Convention.

The information is also available on the Convention website.²⁰

²⁰ www.pic.int/tabid/1368/language/en-US/Default.aspx

Notifications of final regulatory action for chemicals not listed in Annex III**PART A****NOTIFICATIONS OF FINAL REGULATORY ACTION FOR CHEMICALS NOT LISTED IN ANNEX III AND VERIFIED AS CONTAINING ALL THE INFORMATION REQUIRED BY ANNEX I TO THE CONVENTION**

Chemical name	CAS No.	Category	Party	Region	PIC Circular
1,1,1,2-Tetrachloroethane	630-20-6	Industrial	Latvia	Europe	XX
1,1,1,2-Tetrachloroethane	630-20-6	Industrial	Türkiye	Europe	LIII
1,1,1-Trichloroethane	71-55-6	Industrial	Latvia	Europe	XX
1,1,2,2-Tetrachloroethane	79-34-5	Industrial	Latvia	Europe	XX
1,1,2,2-Tetrachloroethane	79-34-5	Industrial	Türkiye	Europe	LIII
1,1,2-Trichloroethane	79-00-5	Industrial	Latvia	Europe	XX
1,1,2-Trichloroethane	79-00-5	Industrial	Türkiye	Europe	LIII
1,1-Dichloroethylene	75-35-4	Industrial	Latvia	Europe	XX
1,1-Dichloroethylene	75-35-4	Industrial	Türkiye	Europe	LIII
1,3-Dichloropropene	542-75-6	Pesticide	European Union	Europe	XXXVI
1,3-Dichloropropene	542-75-6	Pesticide	Serbia	Europe	LII
1,3-Dichloropropene	542-75-6	Pesticide	Türkiye	Europe	LVII
2,3,4,5-bis(2-butylene)tetrahydro-2-furaldehyde (MGK Repellent, MGK-R11)	126-15-8	Pesticide	Canada	North America	XXII
2,4,5-TP (Silvex; Fenoprop)	93-72-1	Pesticide	Thailand	Asia	XIV
2,4,6-Tri- <i>tert</i> -butylphenol	732-26-3	Industrial	Japan	Asia	XXI
2,4-D-dimethylammonium	2008-39-1	Pesticide	Mozambique	Africa	LII
2-Ethyl-1,3-hexanediol	94-96-2	Pesticide	Thailand	Asia	XX
2-Naphthoxyacetic acid	120-23-0	Pesticide	Türkiye	Europe	LIII
2-Naphthylamine	91-59-8	Industrial	Japan	Asia	XXI
2-Naphthylamine	91-59-8	Industrial	Republic of Korea	Asia	XX
2-Naphthylamine	91-59-8	Industrial	Latvia	Europe	XX
2-Naphthylamine	91-59-8	Industrial	Switzerland	Europe	XXIII
2-Naphthylamine	91-59-8	Industrial	Türkiye	Europe	LIII
2-Nitrobenzaldehyde	552-89-6	Industrial	Latvia	Europe	XX
2-Propen-1-ol, reaction products with pentafluoroiodoethane tetrafluoroethylene telomer, dehydroiodinated, reaction products with epichlorohydrin and triethylenetetramine	464178-90-3	Industrial	Canada	North America	XLI
2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with butyl 2-propenoate and 2,5 furandione, gamma-omega-perfluoro-C ₈₋₁₄ -alkyl esters, <i>tert</i> -Bu benzenecarboperoxoate-initiated	459415-06-6	Industrial	Canada	North America	XLI
2-Propenoic acid, 2-methyl-, hexadecyl ester, polymers with 2-hydroxyethyl methacrylate, gamma-omega-perfluoro-C ₁₀₋₁₆ -alkyl acrylate and stearyl methacrylate	203743-03-7	Industrial	Canada	North America	XLI

Chemical name	CAS No.	Category	Party	Region	PIC Circular
4-Aminobiphenyl	92-67-1	Industrial	Republic of Korea	Asia	XX
4-Aminobiphenyl	92-67-1	Industrial	Japan	Asia	XXI
4-Aminobiphenyl	92-67-1	Industrial	Latvia	Europe	XX
4-Aminobiphenyl	92-67-1	Industrial	Switzerland	Europe	XXIII
4-Aminobiphenyl	92-67-1	Industrial	Türkiye	Europe	LIII
4-Chlorophenoxyacetic acid	122-88-3	Pesticide	Türkiye	Europe	LIII
4-Nitrobiphenyl	92-93-3	Industrial	Japan	Asia	XXI
4-Nitrobiphenyl	92-93-3	Industrial	Latvia	Europe	XX
4-Nitrobiphenyl	92-93-3	Industrial	Switzerland	Europe	XXIII
4-Nitrobiphenyl	92-93-3	Industrial	Türkiye	Europe	LIII
5-tert-Butyl-2,4,6-trinitro- <i>m</i> -xylene (Musk xylene)	81-15-2	Industrial	European Union	Europe	LV
Acephate	30560-19-1	Pesticide	Bosnia and Herzegovina	Europe	LIII
Acephate	30560-19-1	Pesticide	European Union	Europe	XVIII
Acephate	30560-19-1	Pesticide	Serbia	Europe	LII
Acephate	30560-19-1	Pesticide	Türkiye	Europe	LIII
Acetochlor	34256-82-1	Pesticide	Burkina Faso	Africa	XLV
Acetochlor	34256-82-1	Pesticide	Cabo Verde	Africa	XLV
Acetochlor	34256-82-1	Pesticide	Chad	Africa	XLV
Acetochlor	34256-82-1	Pesticide	Gambia	Africa	XLV
Acetochlor	34256-82-1	Pesticide	Guinea-Bissau	Africa	XLV
Acetochlor	34256-82-1	Pesticide	Mali	Africa	XLV
Acetochlor	34256-82-1	Pesticide	Mauritania	Africa	XLV
Acetochlor	34256-82-1	Pesticide	Niger	Africa	XLV
Acetochlor	34256-82-1	Pesticide	Senegal	Africa	XLV
Acetochlor	34256-82-1	Pesticide	Togo	Africa	XLV
Acetochlor	34256-82-1	Pesticide	Bosnia and Herzegovina	Europe	XLIX
Acetochlor	34256-82-1	Pesticide	European Union	Europe	XLV
Acetochlor	34256-82-1	Pesticide	Serbia	Europe	LII
Acetochlor	34256-82-1	Pesticide	Türkiye	Europe	LIII
Allyl alcohol	107-18-6	Pesticide	Canada	North America	XXII
Alpha hexachlorocyclohexane	319-84-6	Pesticide	China	Asia	XLV
Alpha hexachlorocyclohexane	319-84-6	Industrial	Japan	Asia	XXXII
Alpha hexachlorocyclohexane	319-84-6	Pesticide	Japan	Asia	XXXIII
Aluminium phosphide	20859-73-8	Pesticide & Industrial	Japan	Asia	XX
Amitraz	33089-61-1	Pesticide	Iran (Islamic Republic of)	Asia	XXX
Amitraz	33089-61-1	Pesticide	Bosnia and Herzegovina	Europe	LII
Amitraz	33089-61-1	Pesticide	European Union	Europe	XXI
Amitraz	33089-61-1	Pesticide	Türkiye	Europe	LIII
Amitraz	33089-61-1	Pesticide	Syrian Arab Republic	Near East	XXXII
Amitrole	61-82-5	Pesticide	Thailand	Asia	XX
Amitrole	61-82-5	Pesticide	European Union	Europe	XLIX
Amitrole	61-82-5	Pesticide	Ecuador	Latin America and the Caribbean	LII
Ammonium hydrogen sulfide	12124-99-1	Industrial	Latvia	Europe	XX
Ammonium hydrogen sulfide	12124-99-1	Industrial	Türkiye	Europe	LIII
Ammonium polysulfide	9080-17-5	Industrial	Latvia	Europe	XX

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Ammonium thiocyanate	1762-95-4	Pesticide	Türkiye	Europe	LIII
Anilofos	64249-01-0	Pesticide	Türkiye	Europe	LIII
Anthracene oil	90640-80-5	Industrial	Latvia	Europe	XX
Aramite	140-57-8	Pesticide	Thailand	Asia	XIV
Arsenic compounds	7440-38-2	Industrial	Latvia	Europe	XX
Atrazine	1912-24-9	Pesticide	Cabo Verde	Africa	XLI
Atrazine	1912-24-9	Pesticide	Chad	Africa	XLI
Atrazine	1912-24-9	Pesticide	Gambia	Africa	XLI
Atrazine	1912-24-9	Pesticide	Mauritania	Africa	XLI
Atrazine	1912-24-9	Pesticide	Niger	Africa	XLI
Atrazine	1912-24-9	Pesticide	Senegal	Africa	XLI
Atrazine	1912-24-9	Pesticide	Togo	Africa	XLI
Atrazine	1912-24-9	Pesticide	Bosnia and Herzegovina	Europe	LIII
Atrazine	1912-24-9	Pesticide	European Union	Europe	XXI
Atrazine	1912-24-9	Pesticide	Türkiye	Europe	LIII
Atrazine	1912-24-9	Pesticide	Uruguay	Latin America and the Caribbean	L
Azinphos-ethyl	2642-71-9	Pesticide	Iran (Islamic Republic of)	Asia	XLVI
Azinphos-ethyl	2642-71-9	Pesticide	Thailand	Asia	XIV
Azinphos-ethyl	2642-71-9	Pesticide	Türkiye	Europe	LIII
Azocyclotin	41083-11-8	Pesticide	Türkiye	Europe	LIII
Benalaxyl	71626-11-4	Pesticide	European Union	Europe	LVII
Benfuracarb	82560-54-1	Pesticide	Bosnia and Herzegovina	Europe	LIII
Benfuracarb	82560-54-1	Pesticide	European Union	Europe	XXXV
Benfuracarb	82560-54-1	Pesticide	Serbia	Europe	LII
Benfuracarb	82560-54-1	Pesticide	Türkiye	Europe	LIII
Bentazon	25057-89-0	Pesticide	Norway	Europe	XIII
Benzene	71-43-2	Industrial	Latvia	Europe	XX
Benzene	71-43-2	Industrial	Türkiye	Europe	LIII
Benzidine	92-87-5	Industrial	Republic of Korea	Asia	XX
Benzidine	92-87-5	Industrial	Latvia	Europe	XX
Benzidine	92-87-5	Industrial	Jordan	Near East	XLII
Benzidine	92-87-5	Industrial	Canada	North America	XXI
Benzidine	92-87-5	Industrial	Canada	North America	XXVIII
Benzidine and its salts	92-87-5	Industrial	India	Asia	XX
Benzidine and its salts	92-87-5	Industrial	Japan	Asia	XXI
Benzidine and its salts	92-87-5	Industrial	Switzerland	Europe	XXIII
Benzidine, its salts and benzidine derivatives	92-87-5 21136-70-9 36341-27-2 531-85-1 531-86-2 (list is not exhaustive)	Industrial	Türkiye	Europe	LIII
Benzidine and its salts	92-87-5	Industrial	Jordan	Near East	XVIII
Benzyl butyl phthalate	85-68-7	Industrial	European Union	Europe	LV
Benzyl butyl phthalate	85-68-7	Industrial	Türkiye	Europe	LIII
Beta cypermethrin	65731-84-2	Pesticide	Bosnia and Herzegovina	Europe	LIII
Beta cypermethrin	65731-84-2	Pesticide	European Union	Europe	L

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Beta hexachlorocyclohexane	319-85-7	Pesticide	China	Asia	XLV
Beta hexachlorocyclohexane	319-85-7	Industrial	Japan	Asia	XXXII
Beta hexachlorocyclohexane	319-85-7	Pesticide	Japan	Asia	XXXIII
Beta hexachlorocyclohexane	319-85-7	Pesticide	Thailand	Asia	XX
Bifenthrin	82657-04-3	Pesticide	Netherlands (Kingdom of the)	Europe	XIV
Bis(2-chloroethyl)ether	111-44-4	Industrial	Republic of Korea	Asia	XX
Bis(chloromethyl)ether	542-88-1	Industrial	Japan	Asia	XXI
Bis(chloromethyl)ether	542-88-1	Industrial	Republic of Korea	Asia	XX
Bis(chloromethyl)ether	542-88-1	Industrial	Canada	North America	XII
Bitertanol	55179-31-2	Pesticide	Norway	Europe	XXXV
Bitertanol	55179-31-2	Pesticide	Türkiye	Europe	LIII
Brodifacoum	56073-10-0	Pesticide	Türkiye	Europe	LIV
Bromacil	314-40-9	Pesticide	Türkiye	Europe	LIV
Bromacil	314-40-9	Pesticide	Costa Rica	Latin America and the Caribbean	LII
Bromobenzylbromotoluene (DBBT)	99688-47-8	Industrial	Latvia	Europe	XX
Bromobenzylbromotoluene (DBBT)	99688-47-8	Industrial	Switzerland	Europe	XXIII
Bromochlorodifluoromethane (Halon 1211)	353-59-3	Industrial	Canada	North America	XIII
Bromochloromethane	74-97-5	Industrial	Thailand	Asia	XXIV
Bromofos	2104-96-3	Pesticide	Türkiye	Europe	LIV
Bromofos-ethyl	4824-78-6	Pesticide	Türkiye	Europe	LIV
Bromopropylate	18181-80-1	Pesticide	Türkiye	Europe	LIV
Bromotrifluoromethane	75-63-8	Industrial	Canada	North America	XII
Bromoxynil	1689-84-5	Pesticide	European Union	Europe	LVIII
Bromoxynil octanoate	1689-99-2	Pesticide	Norway	Europe	XIV
Bromuconazole	116255-48-2	Pesticide	Norway	Europe	XIII
Bronopol	52-51-7	Pesticide	Türkiye	Europe	LIV
Butralin	33629-47-9	Pesticide	Bosnia and Herzegovina	Europe	LIII
Butralin	33629-47-9	Pesticide	European Union	Europe	XXXIII
Butralin	33629-47-9	Pesticide	Serbia	Europe	LII
Butralin	33629-47-9	Pesticide	Türkiye	Europe	LIII
Cadmium	7440-43-9	Industrial	Latvia	Europe	XX
Cadusafos	95465-99-9	Pesticide	Bosnia and Herzegovina	Europe	LIII
Cadusafos	95465-99-9	Pesticide	European Union	Europe	XXXVI
Cadusafos	95465-99-9	Pesticide	Serbia	Europe	LII
Cadusafos	95465-99-9	Pesticide	Türkiye	Europe	LIII
Calcium arsenate	7778-44-1	Pesticide	Thailand	Asia	XIV
Calcium cyanide	592-01-8	Pesticide	Türkiye	Europe	LIV
Carbaryl	63-25-2	Pesticide	Mozambique	Africa	LI
Carbaryl	63-25-2	Pesticide	Bosnia and Herzegovina	Europe	LII
Carbaryl	63-25-2	Pesticide	European Union	Europe	XXVI
Carbaryl	63-25-2	Pesticide	Türkiye	Europe	LIII
Carbaryl	63-25-2	Pesticide	Jordan	Near East	XVIII
Carbaryl	63-25-2	Pesticide	Syrian Arab Republic	Near East	XXXII
Carbendazim	10605-21-7	Pesticide	Türkiye	Europe	LIII

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Carbon tetrachloride	56-23-5	Industrial	Republic of Korea	Asia	XX
Carbon tetrachloride	56-23-5	Pesticide	Thailand	Asia	XX
Carbon tetrachloride	56-23-5	Industrial	Latvia	Europe	XX
Carbon tetrachloride	56-23-5	Pesticide & Industrial	Switzerland	Europe	XXI
Carbon tetrachloride	56-23-5	Pesticide	Ecuador	Latin America and the Caribbean	LII
Carbon tetrachloride	56-23-5	Industrial	Jordan	Near East	XLIV
Carbon tetrachloride	56-23-5	Pesticide & Industrial	Canada	North America	XII
Carbosulfan	55285-14-8	Pesticide	Burkina Faso	Africa	XLI
Carbosulfan	55285-14-8	Pesticide	Cabo Verde	Africa	XLI
Carbosulfan	55285-14-8	Pesticide	Chad	Africa	XLI
Carbosulfan	55285-14-8	Pesticide	Gambia	Africa	XLI
Carbosulfan	55285-14-8	Pesticide	Mauritania	Africa	XLI
Carbosulfan	55285-14-8	Pesticide	Niger	Africa	XLI
Carbosulfan	55285-14-8	Pesticide	Senegal	Africa	XLI
Carbosulfan	55285-14-8	Pesticide	Togo	Africa	XLI
Carbosulfan	55285-14-8	Pesticide	Bosnia and Herzegovina	Europe	LIII
Carbosulfan	55285-14-8	Pesticide	European Union	Europe	XXXV
Carbosulfan	55285-14-8	Pesticide	Serbia	Europe	LII
Carbosulfan	55285-14-8	Pesticide	Türkiye	Europe	LIII
Chinomethionate	2439-01-2	Pesticide	Türkiye	Europe	LIII
Chloral hydrate	302-17-0	Pesticide	Netherlands (Kingdom of the)	Europe	XIV
Chlorates (sodium chlorate, magnesium chlorate and potassium chlorate)	7775-09-9, 10326-21-3, 3811-04-9	Pesticide	Bosnia and Herzegovina	Europe	LIII
Chlorates (including but not limited to Na, Mg, K chlorates)	7775-09-9, 10326-21-3, 3811-04-9 and others	Pesticide	European Union	Europe	XXXVIII
Chlordecone	143-50-0	Pesticide	China	Asia	XLV
Chlordecone	143-50-0	Industrial	Japan	Asia	XXXII
Chlordecone	143-50-0	Pesticide	Japan	Asia	XXXIII
Chlordecone	143-50-0	Pesticide	Thailand	Asia	XIV
Chlordecone	143-50-0	Pesticide	Switzerland	Europe	XX
Chlordecone	143-50-0	Pesticide	Peru	Latin America and the Caribbean	XLV
Chlorfenapyr	122453-73-0	Pesticide	Bosnia and Herzegovina	Europe	LIII
Chlorfenapyr	122453-73-0	Pesticide	European Union	Europe	XVIII
Chlorfenapyr	122453-73-0	Pesticide	Serbia	Europe	LII
Chlorfenvinphos	470-90-6	Pesticide	Mozambique	Africa	LI
Chlorfenvinphos	470-90-6	Pesticide	Norway	Europe	XIII
Chlorfenvinphos	470-90-6	Pesticide	Türkiye	Europe	LIII
Chlorfluazuron	71422-67-8	Pesticide	Türkiye	Europe	LIV
Chloroethylene	75-01-4	Industrial	Latvia	Europe	XX
Chloroethylene	75-01-4	Industrial	Türkiye	Europe	LIII

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Chlorofluorocarbon (totally halogenated)	75-69-4, 75-71-8, 76-13-1, 76-14-2, 76-15-3	Industrial	Canada	North America	XII
Chloroform	67-66-3	Industrial	Latvia	Europe	XX
Chloromethyl methyl ether	107-30-2	Industrial	Canada	North America	XXVIII
Chloroneb	2675-77-6	Pesticide	Türkiye	Europe	LIV
Chloropicrin	76-06-2	Pesticide	Türkiye	Europe	LIII
Chlorothalonil	1897-45-6	Pesticide	European Union	Europe	LIII
Chlorpropham	101-21-3	Pesticide	European Union	Europe	LIV
Chlorpyrifos	2921-88-2	Pesticide	Malaysia	Asia	LVII
Chlorpyrifos	2921-88-2	Pesticide	Sri Lanka	Asia	XLIX
Chlorpyrifos	2921-88-2	Pesticide	European Union	Europe	LVI
Chlorpyrifos	2921-88-2	Pesticide	Türkiye	Europe	LIV
Chlorpyrifos	2921-88-2	Pesticide	Chile	Latin America and the Caribbean	LVIII
Chlorpyrifos-methyl	5598-13-0	Pesticide	European Union	Europe	LVII
Chlorpyrifos-methyl	5598-13-0	Pesticide	Chile	Latin America and the Caribbean	LVIII
Chlorsulfuron	64902-72-3	Pesticide	Norway	Europe	XIII
Chlorthal-dimethyl	1861-32-1	Pesticide	Bosnia and Herzegovina	Europe	LIII
Chlorthal-dimethyl	1861-32-1	Pesticide	European Union	Europe	XXXVII
Chlorthiophos	60238-56-4	Pesticide	Thailand	Asia	XIV
Chlozolinat	84332-86-5	Pesticide	European Union	Europe	XVI
Chrysotile asbestos	12001-29-5	Industrial	South Africa	Africa	XXX
Chrysotile asbestos	12001-29-5	Industrial	Iran (Islamic Republic of)	Asia	LII
Chrysotile asbestos	12001-29-5	Industrial	Japan	Asia	XXX
Chrysotile asbestos	12001-29-5	Industrial	Japan	Asia	XXV
Chrysotile asbestos	12001-29-5	Industrial	Bulgaria	Europe	XXII
Chrysotile asbestos	12001-29-5	Industrial	European Union	Europe	XIII
Chrysotile asbestos	12001-29-5	Industrial	Latvia	Europe	XX
Chrysotile asbestos	12001-29-5	Industrial	Switzerland	Europe	XXI
Chrysotile asbestos	12001-29-5	Industrial	Türkiye	Europe	LIII
Chrysotile asbestos	12001-29-5	Industrial	Chile	Latin America and the Caribbean	XV
Chrysotile asbestos	12001-29-5	Industrial	Canada	North America	XLIX
Chrysotile asbestos	12001-29-5	Industrial	Australia	Southwest Pacific	XIX
Coumachlor	81-82-3	Pesticide	Türkiye	Europe	LIV
Creosote	8001-58-9	Industrial	Latvia	Europe	XX
Creosote oil	61789-28-4	Industrial	Latvia	Europe	XX
Creosote oil, acenaphthene fraction	90640-84-9	Industrial	Latvia	Europe	XX
Creosote, wood	8021-39-4	Industrial	Latvia	Europe	XX
Cyanazine	21725-46-2	Pesticide	Türkiye	Europe	LIII
Cybutryne	28159-98-0	Pesticide	European Union	Europe	LI
Cycloate	1134-23-2	Pesticide	Türkiye	Europe	LIV
Cycloheximide	66-81-9	Pesticide	Thailand	Asia	XIV
Cyclosulfamuron	136849-15-5	Pesticide	Türkiye	Europe	LIV
Cyhexatin	13121-70-5	Pesticide	Japan	Asia	XX

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Cyhexatin	13121-70-5	Pesticide	Türkiye	Europe	LIII
Cyhexatin	13121-70-5	Pesticide	Brazil	Latin America and the Caribbean	XXXVI
Cyhexatin	13121-70-5	Pesticide	Canada	North America	XXII
Cypermethrin	67375-30-8	Pesticide	Türkiye	Europe	LIV
DDD	72-54-8	Pesticide	Thailand	Asia	XX
Demephion- <i>O</i>	682-80-4	Pesticide	Thailand	Asia	XIV
Demeton-methyl (isomeric mixture of demeton- <i>O</i> -methyl and demeton- <i>S</i> -methyl)	8022-00-2, 867-27-6, 919-86-8	Pesticide & Industrial	Japan	Asia	XX
Diarsenic pentoxide	1303-28-2	Industrial	Republic of Korea	Asia	XX
Diarsenic pentoxide	1303-28-2	Industrial	European Union	Europe	LV
Diazinon	333-41-5	Pesticide	Mozambique	Africa	LV
Diazinon	333-41-5	Pesticide	Bosnia and Herzegovina	Europe	L
Diazinon	333-41-5	Pesticide	European Union	Europe	XXXII
Diazinon	333-41-5	Pesticide	Türkiye	Europe	LIII
DBCP (1,2-dibromo-3-chloropropane)	96-12-8	Pesticide	Thailand	Asia	XIV
DBCP (1,2-dibromo-3-chloropropane)	96-12-8	Pesticide	Colombia	Latin America and the Caribbean	XLV
DBCP (1,2-dibromo-3-chloropropane)	96-12-8	Pesticide	Ecuador	Latin America and the Caribbean	LII
DBCP (1,2-dibromo-3-chloropropane)	96-12-8	Pesticide	Canada	North America	XXII
Decabromodiphenylethane (DBDPE)	84852-53-9	Industrial	Australia	Southwest Pacific	LVIII
Dibromotetrafluoroethane	124-73-2	Industrial	Canada	North America	XIII
Dibutyltin hydrogen borate (DBB)	75113-37-0	Industrial	Latvia	Europe	XX
Dichlobenil	1194-65-6	Pesticide	Bosnia and Herzegovina	Europe	LII
Dichlobenil	1194-65-6	Pesticide	European Union	Europe	XXXVI
Dichlobenil	1194-65-6	Pesticide	Norway	Europe	XII
Dichlofluanid	1085-98-9	Pesticide	Türkiye	Europe	LVII
Dichloro[(dichlorophenyl)methyl]methylbenzene	76253-60-6	Industrial	Latvia	Europe	XX
Dichloro[(dichlorophenyl)methyl]methylbenzene	76253-60-6	Industrial	Switzerland	Europe	XXIII
Dichlorobenzyltoluene	81161-70-8	Industrial	Switzerland	Europe	XXIII
Dichlorophen	97-23-4	Pesticide	Thailand	Asia	XIV
Dichlorvos	62-73-7	Pesticide	Malawi	Africa	LVI
Dichlorvos	62-73-7	Pesticide	European Union	Europe	XXXIV
Dichlorvos	62-73-7	Pesticide	Serbia	Europe	LII
Dicloran	99-30-9	Pesticide	European Union	Europe	XXXVI
Dicloran	99-30-9	Pesticide	Serbia	Europe	LII
Dicofol	115-32-2	Industrial	Japan	Asia	XXII
Dicofol	115-32-2	Industrial	Japan	Asia	XXXII
Dicofol	115-32-2	Pesticide	Japan	Asia	XXXIII
Dicofol	115-32-2	Pesticide	Netherlands (Kingdom of the)	Europe	XXII
Dicofol	115-32-2	Pesticide	Romania	Europe	XX
Dicofol	115-32-2	Pesticide	Switzerland	Europe	XXIV

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Dicofol	115-32-2	Pesticide	European Union	Europe	XXXIII
Dicofol	115-32-2	Pesticide	Türkiye	Europe	LVII
Dicofol	115-32-2	Pesticide	Peru	Latin America and the Caribbean	LIII
Dicrotophos	141-66-2	Pesticide	Jordan	Near East	XVIII
Diisobutyl phthalate	84-69-5	Industrial	European Union	Europe	LII
Dimefox	115-26-4	Pesticide	Thailand	Asia	XIV
Dimefox	115-26-4	Pesticide	Jordan	Near East	XVIII
Dimethenamid	87674-68-8	Pesticide	European Union	Europe	XXVII
Dimethenamid	87674-68-8	Pesticide	Türkiye	Europe	LIII
Dimethipin	55290-64-7	Pesticide	Türkiye	Europe	LIV
Dimethoate	60-51-5	Pesticide	European Union	Europe	LIII
Diniconazole-M	83657-18-5	Pesticide	European Union	Europe	XXXIV
Diniconazole-M	83657-18-5	Pesticide	Türkiye	Europe	LIII
Dinoterb	1420-07-1	Pesticide	Thailand	Asia	XIV
Dinoterb	1420-07-1	Pesticide	European Union	Europe	XIV
Dinoterb	1420-07-1	Pesticide	Switzerland	Europe	XX
Dioxacarb	6988-21-2	Pesticide	Türkiye	Europe	LIV
Dioxathion	78-34-2	Pesticide	Türkiye	Europe	LIV
Diphenamid	957-51-7	Pesticide	Türkiye	Europe	LIV
Diphenylamine	122-39-4	Pesticide	European Union	Europe	XXXIX
Diquat	85-00-7	Pesticide	European Union	Europe	LIV
Distillates (coal tar), naphthalene oils	84650-04-4	Industrial	Latvia	Europe	XX
Distillates (coal tar), upper	65996-91-0	Industrial	Latvia	Europe	XX
Disulfoton	298-04-4	Pesticide	Thailand	Asia	XIV
Diuron	330-54-1	Pesticide	Mozambique	Africa	LII
DPX KE 459 (flupyrsulfuron methyl)	150315-10-9, 144740-54-5	Pesticide	European Union	Europe	LI
Empenthrin	54406-48-3	Pesticide	European Union	Europe	LVIII
Endosulfan	115-29-7**, 959-98-8, 33213-65-9	Pesticide* & Industrial	Japan	Asia	XLIV
Endothal	145-73-3	Pesticide	Türkiye	Europe	LIV
Endrin	72-20-8	Pesticide	Indonesia	Asia	LIII
Endrin	72-20-8	Pesticide & Industrial	Japan	Asia	XX
Endrin	72-20-8	Pesticide & Industrial	Republic of Korea	Asia	XX
Endrin	72-20-8	Pesticide	Bulgaria	Europe	XXII
Endrin	72-20-8	Pesticide	Romania	Europe	XX
Endrin	72-20-8	Pesticide	Switzerland	Europe	XX
Endrin	72-20-8	Pesticide	Ecuador	Latin America and the Caribbean	LII
Endrin	72-20-8	Pesticide	Peru	Latin America and the Caribbean	XIII
Endrin	72-20-8	Pesticide	Guyana	Latin America and the Caribbean	XXVI
Endrin	72-20-8	Pesticide	Uruguay	Latin America and the Caribbean	XXVIII
Endrin	72-20-8	Pesticide	Jordan	Near East	XVIII

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Endrin	72-20-8	Pesticide	Canada	North America	XXII
EPN	2104-64-5	Pesticide	Türkiye	Europe	LIV
Epoxiconazole	106325-08-0	Pesticide	Norway	Europe	XIII
EPTC	759-94-4	Pesticide	Norway	Europe	XIII
EPTC	759-94-4	Pesticide	Türkiye	Europe	LIV
Ethalfuralin	55283-68-6	Pesticide	Türkiye	Europe	LIII
Ethiofencarb	29973-13-5	Pesticide	Türkiye	Europe	LIV
Ethion	563-12-2	Pesticide	Mozambique	Africa	LV
Ethion	563-12-2	Pesticide	Türkiye	Europe	LIII
Ethirimol	23947-60-6	Pesticide	Türkiye	Europe	LIV
Ethoate-methyl	116-01-8	Pesticide	Türkiye	Europe	LIV
Ethoprophos	13194-48-4	Pesticide	European Union	Europe	LIV
Ethoxyquin	91-53-2	Pesticide	European Union	Europe	LVIII
Ethylbromoacetate	105-36-2	Industrial	Latvia	Europe	XX
Extract residues (coal), low temp. coal tar alk	122384-78-5	Industrial	Latvia	Europe	XX
Fenamidone	161326-34-7	Pesticide	European Union	Europe	LV
Fenamiphos	22224-92-6	Pesticide	Mozambique	Africa	LV
Fenamiphos	22224-92-6	Pesticide	European Union	Europe	LVII
Fenarimol	60168-88-9	Pesticide	European Union	Europe	XXXVII
Fenarimol	60168-88-9	Pesticide	Türkiye	Europe	LIII
Fenitrothion	122-14-5	Pesticide	Bosnia and Herzegovina	Europe	LII
Fenitrothion	122-14-5	Pesticide	European Union	Europe	XXXII
Fenpiclonil	74738-17-3	Pesticide	Türkiye	Europe	LIV
Fenpropathrin	39515-41-8	Pesticide	Türkiye	Europe	LIII
Fensulfothion	115-90-2	Pesticide	Thailand	Asia	XIV
Fenthion	55-38-9	Pesticide	European Union	Europe	XXII
Fenthion	55-38-9	Pesticide	Türkiye	Europe	LIII
Fentin acetate	900-95-8	Pesticide	European Union	Europe	XVI
Fentin acetate	900-95-8	Pesticide	Türkiye	Europe	LIII
Fentin hydroxide	76-87-9	Pesticide	European Union	Europe	XVI
Fentin hydroxide	76-87-9	Pesticide	Türkiye	Europe	LIII
Fenvalerate	51630-58-1	Pesticide	Türkiye	Europe	LIII
Ferbam	14484-64-1	Pesticide	Canada	North America	XLIX
Fipronil	120068-37-3	Pesticide	Cabo Verde	Africa	XLI
Fipronil	120068-37-3	Pesticide	Chad	Africa	XLI
Fipronil	120068-37-3	Pesticide	Gambia	Africa	XLI
Fipronil	120068-37-3	Pesticide	Mauritania	Africa	XLI
Fipronil	120068-37-3	Pesticide	Niger	Africa	XLI
Fipronil	120068-37-3	Pesticide	Senegal	Africa	XLI
Fipronil	120068-37-3	Pesticide	Togo	Africa	XLI
Fipronil	120068-37-3	Pesticide	Türkiye	Europe	LIV
Flocoumafen	90035-08-8	Pesticide	Türkiye	Europe	LIV
Fluazifop- <i>P</i> -butyl	79241-46-6	Pesticide	Norway	Europe	XIII
Fluazinam	79622-59-6	Pesticide	Norway	Europe	XXXII
Flubenzimine	37893-02-0	Pesticide	Türkiye	Europe	LIV
Flucythrinate	70124-77-5	Pesticide	Türkiye	Europe	LIV
Flufenoxuron	101463-69-8	Pesticide	European Union	Europe	XXXIX
Flumetsulam	98967-40-9	Pesticide	Türkiye	Europe	LIV
Fluopicolide	239110-15-7	Pesticide	Norway	Europe	XLIII
Fluoroacetic acid and its salts	144-49-0, 62-74-8	Pesticide & Industrial	Japan	Asia	XX
Fluridone	59756-60-4	Pesticide	Türkiye	Europe	LIV

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Flurprimidol	56425-91-3	Pesticide	European Union	Europe	XXXVI
Flurtamone	96525-23-4	Pesticide	European Union	Europe	LV
Fluthiacet-methyl	117337-19-6	Pesticide	Türkiye	Europe	LIV
Folpet	133-07-3	Pesticide	Malaysia	Asia	XII
Fomesafen	72178-02-0	Pesticide	Türkiye	Europe	LIV
Fonofos	944-22-9	Pesticide	Thailand	Asia	XIV
Formothion	2540-82-1	Pesticide	Türkiye	Europe	LIV
Furathiocarb	65907-30-4	Pesticide	Türkiye	Europe	LIII
Furfural	98-01-1	Pesticide	Mozambique	Africa	LI
Halfenprox	111872-58-3	Pesticide	Türkiye	Europe	LVII
Haloxyfop	69806-34-4	Pesticide	Türkiye	Europe	LIV
Haloxyfop ethoxyethyl ester	87237-48-7	Pesticide	Türkiye	Europe	LIV
Hexachlorobenzene	118-74-1**	Industrial	China	Asia	XLII
Hexachlorobenzene	118-74-1**	Pesticide* & Industrial	Japan	Asia	XX
Hexachlorobenzene	118-74-1**	Pesticide* & Industrial	Panama	Latin America and the Caribbean	XIX
Hexachlorobenzene	118-74-1**	Industrial	Canada	North America	XXVIII
Hexachlorobenzene	118-74-1**	Industrial	Australia	Southwest Pacific	LVIII
Hexachlorobutadiene	87-68-3	Industrial	Japan	Asia	XXII
Hexachlorobutadiene	87-68-3	Industrial	Canada	North America	XXVIII
Hexachloroethane	67-72-1	Industrial	Latvia	Europe	XX
Hexaconazole	79983-71-4	Pesticide	Türkiye	Europe	LIV
Hexaflumuron	86479-06-3	Pesticide	Türkiye	Europe	LIV
Hexane, 1,6-diisocyanato-, homopolymer, reaction products with alpha-fluoro-omega-2-hydroxyethyl-poly(difluoromethylene), C ₁₆₋₂₀ -branched alcohols and 1-octadecanol	Not available	Industrial	Canada	North America	XLI
Hexazinone	51235-04-2	Pesticide	Burkina Faso	Africa	XLV
Hexazinone	51235-04-2	Pesticide	Cabo Verde	Africa	XLV
Hexazinone	51235-04-2	Pesticide	Chad	Africa	XLV
Hexazinone	51235-04-2	Pesticide	Gambia	Africa	XLV
Hexazinone	51235-04-2	Pesticide	Guinea-Bissau	Africa	XLV
Hexazinone	51235-04-2	Pesticide	Mali	Africa	XLV
Hexazinone	51235-04-2	Pesticide	Mauritania	Africa	XLV
Hexazinone	51235-04-2	Pesticide	Niger	Africa	XLV
Hexazinone	51235-04-2	Pesticide	Senegal	Africa	XLV
Hexazinone	51235-04-2	Pesticide	Togo	Africa	XLV
Hexazinone	51235-04-2	Pesticide	Norway	Europe	XIII
Hydrogen cyanamide	420-04-2	Pesticide	Türkiye	Europe	LIV
Hydrogen cyanide	74-90-8	Pesticide	Türkiye	Europe	LIV
Hydrogen peroxide	7722-84-1	Pesticide	Türkiye	Europe	LIV
Imazalil	35554-44-0	Pesticide	Norway	Europe	XIII
Imazapic	104098-48-8	Pesticide	Türkiye	Europe	LIV
Imazapyr	81334-34-1	Pesticide	Norway	Europe	XIV
Imazapyr	81334-34-1	Pesticide	Türkiye	Europe	LIV
Imazethapyr	81335-77-5	Pesticide	Türkiye	Europe	LIV
Iminoctadine	13516-27-3	Pesticide	Türkiye	Europe	LIII
Indolylacetic acid	87-51-4	Pesticide	Türkiye	Europe	LIII
Iprodione	36734-19-7	Pesticide	Mozambique	Africa	LI

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Iprodione	36734-19-7	Pesticide	European Union	Europe	L
Iprodione	36734-19-7	Pesticide	Türkiye	Europe	LIV
Isodrin	465-73-6	Pesticide	Switzerland	Europe	XX
Isofenphos	25311-71-1	Pesticide	Türkiye	Europe	LIV
Isoproturon	34123-59-6	Pesticide	European Union	Europe	LI
Isopyrazam	881685-58-1	Pesticide	Norway	Europe	XXXVII
Kelevan	4234-79-1	Pesticide	Switzerland	Europe	XX
Kinetin	525-79-1	Pesticide	Türkiye	Europe	LIV
Lead arsenate	7784-40-9	Pesticide	Japan	Asia	XX
Lead arsenate	7784-40-9	Pesticide	Peru	Latin America and the Caribbean	XXXV
Lead carbonate	598-63-0	Industrial	Latvia	Europe	XX
Lead carbonate	598-63-0	Industrial	Jordan	Near East	XXXVI
Lead hydroxycarbonate	1319-46-6	Industrial	Latvia	Europe	XX
Lead sulfate	15739-80-7	Industrial	Latvia	Europe	XX
Lead(II)sulfate	7446-14-2	Industrial	Latvia	Europe	XX
Leptophos	21609-90-5	Pesticide	Ecuador	Latin America and the Caribbean	LII
Lindane	58-89-9**	Industrial	China	Asia	L
Linuron	330-55-2	Pesticide	European Union	Europe	LI
Linuron	330-55-2	Pesticide	Norway	Europe	XXVI
Malathion	121-75-5	Pesticide	Syrian Arab Republic	Near East	XXXII
Maleic hydrazide	123-33-1	Pesticide	Romania	Europe	XX
Mancozeb	8018-01-7	Pesticide	European Union	Europe	LVI
MCPA-thioethyl(phenothiol)	25319-90-8	Pesticide	Thailand	Asia	XIV
MCPB	94-81-5	Pesticide	Thailand	Asia	XIV
Mecoprop	7085-19-0	Pesticide	Thailand	Asia	XIV
Mephosfolan	950-10-7	Pesticide	Thailand	Asia	XIV
Mephosfolan	950-10-7	Pesticide	Türkiye	Europe	LIV
Mepiquat chloride	24307-26-4	Pesticide	Norway	Europe	XIII
Mercurous chloride (Calomel)	10112-91-1	Pesticide	Romania	Europe	XX
Mercury	7439-97-6	Pesticide & Industrial	Indonesia	Asia	LIII
Mercury	7439-97-6	Industrial	European Union	Europe	LVI
Mercury	7439-97-6	Industrial	Türkiye	Europe	LIII
Mercury	7439-97-6	Industrial	Colombia	Latin America and the Caribbean	LII
Metaldehyde	108-62-3, 9002-91-9	Pesticide	Norway	Europe	XLVII
Methabenzthiazuron	18691-97-9	Pesticide	Türkiye	Europe	LIV
Methazole	20354-26-1	Pesticide	Australia	Southwest Pacific	XII
Methidathion	950-37-8	Pesticide	Mozambique	Africa	LI
Methidathion	950-37-8	Pesticide	Türkiye	Europe	LIII
Methidathion	950-37-8	Pesticide	Uruguay	Latin America and the Caribbean	L
Methiocarb	2032-65-7	Pesticide	Mozambique	Africa	LV
Methiocarb	2032-65-7	Pesticide	European Union	Europe	LVI
Methomyl	16752-77-5	Pesticide	Mozambique	Africa	LV

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Methomyl	16752-77-5	Pesticide	Chile	Latin America and the Caribbean	LVIII
Methomyl	16752-77-5	Pesticide	Uruguay	Latin America and the Caribbean	L
Methoprene	40596-69-8	Pesticide	Türkiye	Europe	LIV
Methyl bromide	74-83-9	Pesticide	Malawi	Africa	XXX
Methyl bromide	74-83-9	Pesticide	Indonesia	Asia	LIII
Methyl bromide	74-83-9	Pesticide & Industrial	Republic of Korea	Asia	XX
Methyl bromide	74-83-9	Pesticide	Netherlands (Kingdom of the)	Europe	XV
Methyl bromide	74-83-9	Pesticide & Industrial	Switzerland	Europe	XXI
Methyl bromide	74-83-9	Pesticide	Colombia	Latin America and the Caribbean	LII
Methyl bromoacetate	96-32-2	Industrial	Latvia	Europe	XX
Methyl cellosolve	109-86-4	Industrial	Canada	North America	XXVIII
Methyl parathion	298-00-0	Pesticide	Côte d'Ivoire	Africa	XX
Methyl parathion	298-00-0	Pesticide	Gambia	Africa	XIX
Methyl parathion	298-00-0	Pesticide	Nigeria	Africa	XXI
Methyl parathion	298-00-0	Pesticide	China	Asia	L
Methyl parathion	298-00-0	Pesticide	Indonesia	Asia	LIII
Methyl parathion	298-00-0	Pesticide & Industrial	Japan	Asia	XX
Methyl parathion	298-00-0	Pesticide	Thailand	Asia	XXI
Methyl parathion	298-00-0	Pesticide	Bulgaria	Europe	XXII
Methyl parathion	298-00-0	Pesticide	European Union	Europe	XVIII
Methyl parathion	298-00-0	Pesticide	Brazil	Latin America and the Caribbean	XX
Methyl parathion	298-00-0	Pesticide	Dominican Republic	Latin America and the Caribbean	XXV
Methyl parathion	298-00-0	Pesticide	El Salvador	Latin America and the Caribbean	XX
Methyl parathion	298-00-0	Pesticide	Guyana	Latin America and the Caribbean	XXVI
Methyl parathion	298-00-0	Pesticide	Panama	Latin America and the Caribbean	XIX
Methyl parathion	298-00-0	Pesticide	Panama	Latin America and the Caribbean	XLVII
Methyl parathion	298-00-0	Pesticide	Uruguay	Latin America and the Caribbean	XXVIII
Methyl parathion	298-00-0	Pesticide	Uruguay	Latin America and the Caribbean	L
Metolachlor	51218-45-2	Pesticide	Türkiye	Europe	LIV
Metominostrobin	133408-50-1	Pesticide	Türkiye	Europe	LIV
Metosulam	139528-85-1	Pesticide	Türkiye	Europe	LIV
Mevinphos	26718-65-0	Pesticide	Thailand	Asia	XIV

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Mevinphos	26718-65-0	Pesticide	Jordan	Near East	XVIII
Mevinphos	7786-34-7	Pesticide	Türkiye	Europe	LIV
Mirex	2385-85-5	Pesticide & Industrial	Indonesia	Asia	LIII
Mirex	2385-85-5	Pesticide & Industrial	Japan	Asia	XXI
Mirex	2385-85-5	Pesticide	Thailand	Asia	XX
Mirex	2385-85-5	Pesticide	Bulgaria	Europe	XXII
Mirex	2385-85-5	Pesticide & Industrial	Switzerland	Europe	XXIII
Mirex	2385-85-5	Pesticide	Colombia	Latin America and the Caribbean	XLV
Mirex	2385-85-5	Pesticide	Cuba	Latin America and the Caribbean	XXVIII
Mirex	2385-85-5	Pesticide	Ecuador	Latin America and the Caribbean	LII
Mirex	2385-85-5	Pesticide	Guyana	Latin America and the Caribbean	XXVI
Mirex	2385-85-5	Pesticide	Uruguay	Latin America and the Caribbean	XXVIII
Mirex	2385-85-5	Industrial	Canada	North America	XII
Mirex	2385-85-5	Industrial	Canada	North America	XXVIII
Mixture of: - Glyphosate - Ethoxylated tallow alkylamines	1071-83-6 61791-26-2	Pesticide	Chile	Latin America and Caribbean	LVIII
Monolinuron	1746-81-2	Pesticide	Türkiye	Europe	LIII
Monomethyl dichlorodiphenyl methane	122808-61-1	Industrial	Latvia	Europe	XX
<i>N,N'</i> -Ditolyl- <i>p</i> -phenylenediamine; <i>N,N'</i> -Dixylyl- <i>p</i> -phenylenediamine; <i>N</i> -Tolyl- <i>N'</i> -xylyl- <i>p</i> -phenylenediamine	27417-40-9, 28726-30-9, 70290-05-0	Industrial	Japan	Asia	XXI
Naled	300-76-5	Pesticide	European Union	Europe	XXXIX
NCC ether	94097-88-8	Industrial	Canada	North America	XXVIII
Nickel	7440-02-0	Industrial	Latvia	Europe	XX
Nitrofen	1836-75-5	Pesticide	European Union	Europe	XVI
Nitrofen	1836-75-5	Pesticide	Romania	Europe	XX
<i>N</i> -Nitrosodimethylamine	62-75-9	Industrial	Canada	North America	XXVIII
Nonylphenol	11066-49-2, 25154-52-3, 84852-15-3, 90481-04-2	Pesticide & Industrial	European Union	Europe	XXIII
Nonylphenol ethoxylate	127087-87-0, 26027-38-3, 37205-87-1, 68412-54-4, 9016-45-9	Pesticide & Industrial	European Union	Europe	XXIII

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Nonylphenols and nonylphenol ethoxylates	104-40-5, 11066-49-2, 127087-87-0, 25154-52-3, 26027-38-3, 37205-87-1, 68412-54-4, 84852-15-3, 9016-45-9, 90481-04-2	Pesticide	South Africa	Africa	XLVI
Nonylphenols and nonylphenol ethoxylates	104-40-5, 11066-49-2, 25154-52-3, 84852-15-3, 90481-04-2, 127087-87-0, 26027-38-3, 37205-87-1, 68412-54-4, 9016-45-9	Pesticide & Industrial	Switzerland	Europe	XXXVI
Norflurazon	27314-13-2	Pesticide	Türkiye	Europe	LIV
Nuarimol	63284-71-9	Pesticide	Türkiye	Europe	LIV
Octylphenols and octylphenol ethoxylates	140-66-9, 1806-26-4, 27193-28-8, 68987-90-6, 9002-93-1, 9036-19-5	Pesticide & Industrial	Switzerland	Europe	XXXVI
Ofurace	58810-48-3	Pesticide	Türkiye	Europe	LIV
Omethoate	1113-02-6	Pesticide	Türkiye	Europe	LIII
Orthosulfamuron	213464-77-8	Pesticide	European Union	Europe	LI
Oxadixyl	77732-09-3	Pesticide	Türkiye	Europe	LIV
Oxamyl	23135-22-0	Pesticide	Türkiye	Europe	LIV
Oxasulfuron	144651-06-9	Pesticide	European Union	Europe	LV
Oxine-copper	10380-28-6	Pesticide	Türkiye	Europe	LIV
Oxycarboxin	5259-88-1	Pesticide	Türkiye	Europe	LIV
Oxydemeton-methyl	301-12-2	Pesticide	European Union	Europe	XXX
Oxydemeton-methyl	301-12-2	Pesticide	Türkiye	Europe	LIII
Oxyfluorfen	42874-03-3	Pesticide	Mozambique	Africa	LII
Paraquat	4685-14-7	Pesticide	Mozambique	Africa	LII
Paraquat	4685-14-7	Pesticide	Togo	Africa	XLII
Paraquat	4685-14-7	Pesticide	Malaysia	Asia	LII
Paraquat	4685-14-7	Pesticide	Sri Lanka	Asia	XXVIII
Paraquat	4685-14-7	Pesticide	Sweden	Europe	XXIII
Paraquat	4685-14-7	Pesticide	Türkiye	Europe	LVII
Paraquat dichloride	1910-42-5	Pesticide	Burkina Faso	Africa	XXXV
Paraquat dichloride	1910-42-5	Pesticide	Cabo Verde	Africa	XXXV
Paraquat dichloride	1910-42-5	Pesticide	Chad	Africa	XXXV
Paraquat dichloride	1910-42-5	Pesticide	Mali	Africa	XXXV
Paraquat dichloride	1910-42-5	Pesticide	Mauritania	Africa	XXXV
Paraquat dichloride	1910-42-5	Pesticide	Niger	Africa	XXXV
Paraquat dichloride	1910-42-5	Pesticide	Senegal	Africa	XXXV
Paraquat dichloride	1910-42-5	Pesticide	Sweden	Europe	XXIII
Paraquat dichloride	1910-42-5	Pesticide	Chile	Latin America and the Caribbean	LVIII

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Paraquat dichloride	1910-42-5	Pesticide	Uruguay	Latin America and the Caribbean	XXVIII
Paraquat dimethyl,bis	2074-50-2	Pesticide	Sweden	Europe	XXIII
Paris green	12002-03-8	Pesticide	Thailand	Asia	XIV
Pendimethalin	40487-42-1	Pesticide	Norway	Europe	XXV
Pentachlorobenzene	608-93-5	Pesticide	China	Asia	XLV
Pentachlorobenzene	608-93-5	Industrial	Japan	Asia	XXXII
Pentachlorobenzene	608-93-5	Pesticide	Japan	Asia	XXXIII
Pentachlorobenzene	608-93-5	Industrial	Canada	North America	XXVIII
Pentachlorobenzene	608-93-5	Industrial	Australia	Southwest Pacific	LVIII
Pentachloroethane	76-01-7	Industrial	Latvia	Europe	XX
Pentachlorophenol and its salts and esters	87-86-5**, 131-52-2, 27735-64-4, 3772-94-9	Pesticide* & Industrial	Japan	Asia	XLIV
Perfluorocarboxylic acids that have the molecular formula $C_nF_{2n+1}CO_2H$ in which $8 \leq n \leq 20$, their salts, and their precursors (LC-PFCAs)	375-95-1, 335-76-2, 2058-94-8, 307-55-1, 72629-94-8, 376-06-7, 141074-63-7, 67905-19-5, 57475-95-3, 16517-11-6, 133921-38-7, 68310-12-3 (list is not exhaustive)	Industrial	Canada	North America	XLVII
Perfluorooctane sulphonate (PFOS), its salts and perfluorooctanesulfonyl fluoride (PFOSF)	2795-39-3**, 70225-14-8**, 29081-56-9**, 29457-72-5**, 307-35-7**	Pesticide & Industrial*	China	Asia	XLV
Permethrin	52645-53-1	Pesticide	Syrian Arab Republic	Near East	XXXII
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-	3846-71-7	Industrial	Japan	Asia	XXVII
Phenthoate	2597-03-7	Pesticide	Malaysia	Asia	XLIV
Phenthoate	2597-03-7	Pesticide	Türkiye	Europe	LVII
Phosalone	2310-17-0	Pesticide	European Union	Europe	XXVII
Phosalone	2310-17-0	Pesticide	Türkiye	Europe	LIII
Phosphamidon	13171-21-6	Pesticide	Côte d'Ivoire	Africa	XX
Phosphamidon	13171-21-6	Pesticide	Indonesia	Asia	LIII
Phosphamidon	13171-21-6	Pesticide	China	Asia	L
Phosphamidon	13171-21-6	Pesticide & Industrial	Japan	Asia	XX
Phosphamidon	13171-21-6	Pesticide	Thailand	Asia	XIV
Phosphamidon	13171-21-6	Pesticide	Brazil	Latin America and the Caribbean	XX
Phosphamidon	13171-21-6	Pesticide	Panama	Latin America and the Caribbean	XIX
Phosphoric acid	7664-38-2	Pesticide	Türkiye	Europe	LVII

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Picoxystrobin	117428-22-5	Pesticide	European Union	Europe	L
Polychlorinated naphthalenes	70776-03-3	Industrial	Japan	Asia	XXI
Polychlorinated naphthalenes	28699-88-9, 1321-65-9, 1335-88-2, 1321-64-8, 1335-87-1, 32241-08-0, 2234-13-1	Industrial	Japan	Asia	XLIV
Polychlorinated naphthalenes	70776-03-3	Industrial	Canada	North America	XXXVIII
Polychloroterpenes	8001-50-1	Pesticide	Thailand	Asia	XX
Primisulfuron-methyl	86209-51-0	Pesticide	Türkiye	Europe	LVII
Procymidone	32809-16-8	Pesticide	European Union	Europe	XXXVII
Procymidone	32809-16-8	Pesticide	Türkiye	Europe	LIII
Profenofos	41198-08-7	Pesticide	Malaysia	Asia	XLIV
Profenofos	41198-08-7	Pesticide	Türkiye	Europe	LVII
Prometryn	7287-19-6	Pesticide	Türkiye	Europe	LVII
Propachlor	1918-16-7	Pesticide	European Union	Europe	XXXIII
Propachlor	1918-16-7	Pesticide	Norway	Europe	XXVI
Propanil	709-98-8	Pesticide	European Union	Europe	XXXIX
Propanil	709-98-8	Pesticide	Türkiye	Europe	LIII
Propargite	2312-35-8	Pesticide	European Union	Europe	XXXIX
Propargite	2312-35-8	Pesticide	Türkiye	Europe	LIII
Propineb	12071-83-9 (monomer) 9016-72-2 (homopolymer)	Pesticide	European Union	Europe	LV
Propisochlor	86763-47-5	Pesticide	European Union	Europe	XXXVI
Propoxur	114-26-1	Pesticide	Türkiye	Europe	LVII
Propylbromoacetate	35223-80-4	Industrial	Latvia	Europe	XX
Prothiofos	34643-46-4	Pesticide	Malaysia	Asia	XLIV
Prothiofos	34643-46-4	Pesticide	Türkiye	Europe	LVII
Prothoate	2275-18-5	Pesticide	Thailand	Asia	XIV
Prothoate	2275-18-5	Pesticide	Türkiye	Europe	LVII
Pymetrozine	123312-89-0	Pesticide	European Union	Europe	LV
Pymetrozine	123312-89-0	Pesticide	Norway	Europe	XXXIX
Pyrazophos	13457-18-6	Pesticide	European Union	Europe	XIII
Pyrazophos	13457-18-6	Pesticide	Türkiye	Europe	LIII
Pyridaphenthion	119-12-0	Pesticide	Türkiye	Europe	LVII
Pyrimidifen	105779-78-0	Pesticide	Türkiye	Europe	LVII
Pyrinuron	53558-25-1	Pesticide	Thailand	Asia	XX
Pyriithiobac-sodium	123343-16-8	Pesticide	Türkiye	Europe	LVII
Quinalphos	13593-03-8	Pesticide	Malaysia	Asia	XLIV
Quinalphos	13593-03-8	Pesticide	Türkiye	Europe	LVII
Quinoxifen	124495-18-7	Pesticide	European Union	Europe	LV
Quintozene	82-68-8	Pesticide	European Union	Europe	XV
Quintozene	82-68-8	Pesticide	Romania	Europe	XX
Quintozene	82-68-8	Pesticide	Switzerland	Europe	XX
Quintozene	82-68-8	Pesticide	Türkiye	Europe	LIII
Resmethrin	10453-86-8	Pesticide	Türkiye	Europe	LVII
Schradan	152-16-9	Pesticide & Industrial	Japan	Asia	XX
Schradan	152-16-9	Pesticide	Thailand	Asia	XIV
Simazine	122-34-9	Pesticide	European Union	Europe	XXI

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Simazine	122-34-9	Pesticide	Norway	Europe	XIII
Simazine	122-34-9	Pesticide	Türkiye	Europe	LIII
Sodium arsenite	7784-46-5	Pesticide	Netherlands (Kingdom of the)	Europe	XIV
Sodium cyanide	143-33-9	Pesticide	Türkiye	Europe	LVII
Sodium fluoroacetate	62-74-8	Pesticide	Cuba	Latin America and the Caribbean	XXVIII
Sodium trichloroacetate	650-51-1	Pesticide	Netherlands (Kingdom of the)	Europe	XIV
Sulfosulfurone	141776-32-1	Pesticide	Norway	Europe	XV
Sulfotep	3689-24-5	Pesticide	Thailand	Asia	XIV
Tar acids, coal, crude	65996-85-2	Industrial	Latvia	Europe	XX
TCMTB (Thiocyanic acid, (2-benzothiazolythio)methyl ester)	21564-17-0	Pesticide	Türkiye	Europe	LVII
Tebuthiuron	34014-18-1	Pesticide	Türkiye	Europe	LVII
Tecnazene	117-18-0	Pesticide	European Union	Europe	XV
Tepraloxymid	149979-41-9	Pesticide	European Union	Europe	LVI
Terbutryn	886-50-0	Pesticide	Türkiye	Europe	LVII
Tetrachlorobenzene	12408-10-5, 84713-12-2, 634-66-2, 634-90-2, 95-94-3	Industrial	Canada	North America	XXVIII
Tetradifon	116-29-0	Pesticide	Türkiye	Europe	LVII
Tetraethyl pyrophosphate (TEPP)	107-49-3	Pesticide & Industrial	Japan	Asia	XX
Thallium acetate	563-68-8	Industrial	Republic of Korea	Asia	XX
Thallium nitrate	10102-45-1	Industrial	Republic of Korea	Asia	XX
Thallium sulphate	7446-18-6	Industrial	Republic of Korea	Asia	XX
Thallium sulphate	7446-18-6	Pesticide	Thailand	Asia	XX
Thiabendazole	148-79-8	Pesticide	Norway	Europe	XIII
Thiamethoxam	153719-23-4	Pesticide	European Union	Europe	LVI
Thiazafuron	25366-23-8	Pesticide	Türkiye	Europe	LVII
Thiobencarb	28249-77-6	Pesticide	Türkiye	Europe	LIII
Thiocyclam hydrogen oxalate	31895-22-4	Pesticide	Türkiye	Europe	LIII
Thiodicarb	59669-26-0	Pesticide	Mozambique	Africa	LI
Thiodicarb	59669-26-0	Pesticide	European Union	Europe	XXVII
Thiodicarb	59669-26-0	Pesticide	Türkiye	Europe	LIII
Thiometon	640-15-3	Pesticide	Türkiye	Europe	LVII
Thiram	137-26-8	Pesticide	European Union	Europe	LVI
Tolfenpyrad	129558-76-5	Pesticide	Türkiye	Europe	LVII
Tralomethrin	66841-25-6	Pesticide	Türkiye	Europe	LVII
Triadimefon	43121-43-3	Pesticide	Türkiye	Europe	LVII
Triasulfuron	82097-50-5	Pesticide	European Union	Europe	LI
Triazamate	112143-82-5	Pesticide	Türkiye	Europe	LVII
Triazophos	24017-47-8	Pesticide	Cabo Verde	Africa	XLI
Triazophos	24017-47-8	Pesticide	Chad	Africa	XLI
Triazophos	24017-47-8	Pesticide	Gambia	Africa	XLI
Triazophos	24017-47-8	Pesticide	Malaysia	Asia	XLIV
Triazophos	24017-47-8	Pesticide	Mauritania	Africa	XLI
Triazophos	24017-47-8	Pesticide	Niger	Africa	XLI

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Triazophos	24017-47-8	Pesticide	Senegal	Africa	XLI
Triazophos	24017-47-8	Pesticide	Togo	Africa	XLI
Triazophos	24017-47-8	Pesticide	Türkiye	Europe	LIII
Tribufos	78-48-8	Pesticide	Australia	Southwest Pacific	XIII
Tributyl tetradecyl phosphonium chloride	81741-28-8	Industrial	Canada	North America	XIII
Triclosan	3380-34-5	Pesticide	European Union	Europe	LI
Tricyclazole	41814-78-2	Pesticide	European Union	Europe	LI
Tridemorph	24602-86-6	Pesticide	Türkiye	Europe	LIII
Trifluralin	1582-09-8	Pesticide	European Union	Europe	XXXVI
Trifluralin	1582-09-8	Pesticide	Türkiye	Europe	LIII
Triforine	26644-46-2	Pesticide	Türkiye	Europe	LVII
Tris-(1-aziridinyl)phosphine oxide	545-55-1	Industrial	Latvia	Europe	XX
Tris-(1-aziridinyl)phosphine oxide	545-55-1	Industrial	Switzerland	Europe	XXIII
Tris(2-chloroethyl) phosphate	115-96-8	Industrial	European Union	Europe	LII
Tris(2,3 dibromopropyl) phosphate	126-72-7	Pesticide	Indonesia	Asia	LIII
Vinclozolin	50471-44-8	Pesticide	Norway	Europe	XIII
Vinclozolin	50471-44-8	Pesticide	Jordan	Near East	XVIII
Vinclozolin	50471-44-8	Pesticide	Türkiye	Europe	LIII
Zinc phosphide	1314-84-7	Pesticide	Mozambique	Africa	LV
Zineb	12122-67-7	Pesticide	Ecuador	Latin America and the Caribbean	XX
Zineb	12122-67-7	Pesticide	Türkiye	Europe	LIII

* The chemical is listed in Annex III under this category.

** The chemical is listed in Annex III under this CAS number.

Note: On 21 June 2023, Mozambique notified the withdrawal of its notification of final regulatory action on brodifacoum, CAS No. 56073-10-0. The notification on brodifacoum was initially published in PIC Circular LV (55) on 12 June 2022. Following Mozambique's withdrawal notification, the notification of final regulatory action on brodifacoum was removed from Part A of Appendix V of the PIC Circular and is no longer published on the Rotterdam Convention website.

Notifications of final regulatory action for chemicals not listed in Annex III

PART B**NOTIFICATIONS OF FINAL REGULATORY ACTION FOR CHEMICALS NOT LISTED IN ANNEX III AND VERIFIED AS NOT CONTAINING ALL THE INFORMATION REQUIRED BY ANNEX I TO THE CONVENTION**

Chemical name	CAS No.	Category	Party	Region	PIC Circular
1,2-Dichloropropane	78-87-5	Pesticide	Saudi Arabia	Near East	XXXII
1,4-Dichlorobenzene	106-46-7	Pesticide	Israel	Europe	XXXV
(Dibromochloropropane) 1,2-Dibromo-3-chloropropane	96-12-8	Pesticide	Maldives	Asia	LIV
1-Bromo-2-chloroethane	107-04-0	Pesticide	Saudi Arabia	Near East	XXXII
1,1,2,2-tetra chloroethane	79-34-5	Pesticide	Maldives	Asia	LIV
2-Amino-2-thiazoline-4-carboxylic acid	2150-55-2	Pesticide	Türkiye	Europe	LVII
2,3-Dichlorophenol	576-24-9	Pesticide	Indonesia	Asia	LVI
2,4-Dichlorophenol	120-83-2	Pesticide	Indonesia	Asia	LVI
2,5-Dichlorophenol	583-78-8	Pesticide	Indonesia	Asia	LVI
2-(2,4,5-Trichlorephenoxy)ethyl 2,2-dichloropropanoate	136-25-4	Pesticide	Saudi Arabia	Near East	XXXVII
2,4,5-TP (Silvex; Fenoprop)	93-72-1	Pesticide	Saudi Arabia	Near East	XXXII
2,4,5-Trichlorophenol	95-95-4	Pesticide	Ecuador	Latin America and the Caribbean	XLVII
2,4,5-Trichlorophenol	95-95-4	Pesticide	Indonesia	Asia	LVI
2,4,6-Trichlorophenol	88-06-2	Pesticide	Indonesia	Asia	LVI
Acephate	30560-19-1	Pesticide	Oman	Near East	XXXIX
Acetate	7784-40-9	Pesticide	China	Asia	LV
Acetochlor	34256-82-1	Pesticide	Maldives	Asia	LIV
Acrolein	107-02-8	Pesticide	Saudi Arabia	Near East	XXXII
Acrylonitrile	107-13-1	Pesticide	Saudi Arabia	Near East	XXXVII
Amitraz	33089-61-1	Pesticide	Oman	Near East	XXXIX
Amitrole	61-82-5	Pesticide	Oman	Near East	XXXIX
Amitrole	61-82-5	Pesticide	Saudi Arabia	Near East	XXXVII
Arsenic	1327-53-3	Pesticide	China	Asia	LV
Arsenic compound	7440-38-2	Pesticide	Türkiye	Europe	LVII
Atrazine	1912-24-9	Pesticide	Oman	Near East	XXXIX
Azinphos-ethyl	2642-71-9	Pesticide	Saudi Arabia	Near East	XXXVII
Bendiocarb	22781-23-3	Pesticide	Saudi Arabia	Near East	XXXVII
Benfuracarb	82560-54-1	Pesticide	Maldives	Asia	LIV
Benomyl	17804-35-2	Pesticide	Ecuador	Latin America and the Caribbean	XLVII
Benomyl	17804-35-2	Pesticide	Oman	Near East	XXXIX
Benomyl	17804-35-2	Pesticide	Saudi Arabia	Near East	XXXVIII
Bifenthrin	82657-04-3	Pesticide	Oman	Near East	XXXIX
Bromadiolone	28772-56-7	Pesticide	Oman	Near East	XXXIX
Bromadiolone	28772-56-7	Pesticide	Saudi Arabia	Near East	XXXVIII
Bromofos-ethyl	4824-78-6	Pesticide	Oman	Near East	XXXIX
Bromofos-ethyl	4824-78-6	Pesticide	Saudi Arabia	Near East	XXXVII
Bromophos-ethyl (<i>O</i> -(4-Bromo-2-chlorophenyl) <i>O,O</i> -diethyl phosphorothioate)	4824-78-6	Pesticide	Indonesia	Asia	XLI
Cadmium	7440-43-9	Pesticide	Thailand	Asia	XX
Cadusafos	95465-99-9	Pesticide	Maldives	Asia	LIV
Cadusafos	95465-99-9	Pesticide	Oman	Near East	XXXIX

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Calcium arsenate	7778-44-1	Pesticide	Maldives	Asia	LIV
Calcium cyanide	592-01-8	Pesticide	Saudi Arabia	Near East	XXXVII
Captan	133-06-2	Pesticide	Oman	Near East	XXXIX
Captan	133-06-2	Pesticide	Saudi Arabia	Near East	XXXVII
Carbaryl	63-25-2	Pesticide	El Salvador	Latin America and the Caribbean	XXXVII
Carbaryl	63-25-2	Pesticide	Saudi Arabia	Near East	XXXVIII
Carbosulfan	55285-14-8	Pesticide	Maldives	Asia	LIV
Chloranil	118-75-2	Pesticide	Mexico	Latin America and the Caribbean	XXXVIII
Chloranil	118-75-2	Pesticide	Saudi Arabia	Near East	XXXII
Chlordecone	143-50-0	Pesticide	Maldives	Asia	LIV
Chlordecone	143-50-0	Pesticide	Mexico	Latin America and the Caribbean	XXXVIII
Chlordecone	143-50-0	Pesticide	Saudi Arabia	Near East	XXXII
Chlorfenvinphos	470-90-6	Pesticide	Maldives	Asia	LIV
Chlormephos	24934-91-6	Pesticide	Oman	Near East	XXXIX
Chlormephos	24934-91-6	Pesticide	Saudi Arabia	Near East	XXXVII
Chlornitrofen	1836-77-7	Pesticide	Japan	Asia	XX
Chloropicrin	76-06-2	Pesticide	Oman	Near East	XXXIX
Chloropicrin	76-06-2	Pesticide	Saudi Arabia	Near East	XXXVII
Chlorothalonil	1897-45-6	Pesticide	Saudi Arabia	Near East	XXXVIII
Chlorpyrifos	2921-88-2	Pesticide	Maldives	Asia	LIV
Chlorpyrifos	2921-88-2	Pesticide	Saudi Arabia	Near East	XXXVIII
Chlorthiophos	60238-56-4	Pesticide	Saudi Arabia	Near East	XXXVII
Chrysotile asbestos	12001-29-5	Industrial	El Salvador	Latin America and the Caribbean	XXXVII
Cis-Zeatin	327771-64-5	Pesticide	Türkiye	Europe	LVII
Copper arsenate hydroxide	16102-92-4	Pesticide	Thailand	Asia	XX
Cyanazine	21725-46-2	Pesticide	Oman	Near East	XXXIX
Cyanophos	2636-26-2	Pesticide	Mexico	Latin America and the Caribbean	XXXVIII
Cycloheximide	66-81-9	Pesticide	Saudi Arabia	Near East	XXXVII
Cyhexatin	13121-70-5	Pesticide	Indonesia	Asia	LVI
Cyhexatin	13121-70-5	Pesticide	Maldives	Asia	LIV
Cyhexatin	13121-70-5	Pesticide	Saudi Arabia	Near East	XXXII
Daminozide	1596-84-5	Pesticide	Saudi Arabia	Near East	XXXII
DDD	72-54-8	Pesticide	Saudi Arabia	Near East	XXXVII
Demeton-S-methyl	919-86-8	Pesticide	Maldives	Asia	LIV
Demeton-S-methyl	919-86-8	Pesticide	Oman	Near East	XXXIX
Demeton-S-methyl	919-86-8	Pesticide	Saudi Arabia	Near East	XXXVIII
Dialifos	10311-84-9	Pesticide	Mexico	Latin America and the Caribbean	XXXVIII
Dibromochloropropane	96-12-8	Pesticide	China	Asia	LV
Dibromochloropropane (DBCP)	96-12-8	Pesticide	Indonesia	Asia	LVI
DBCP (1,2-dibromo-3-chloropropane)	96-12-8	Pesticide	Mexico	Latin America and the Caribbean	XXXVIII
DBCP (1,2-dibromo-3-chloropropane)	96-12-8	Pesticide	Saudi Arabia	Near East	XXXVII
Dichlorvos	62-73-7	Pesticide	Maldives	Asia	LIV
Dichlorvos	62-73-7	Pesticide	Saudi Arabia	Near East	XXXVII
Dichlormid	37764-25-3	Pesticide	Maldives	Asia	LIV
Diclofop-methyl	51338-27-3	Pesticide	Saudi Arabia	Near East	XXXII
Dicofol	115-32-2	Pesticide	Oman	Near East	XXXIX
Dicofol	115-32-2	Pesticide	Saudi Arabia	Near East	XXXVIII

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Dicrotophos	141-66-2	Pesticide	Maldives	Asia	LIV
Dicrotophos	141-66-2	Pesticide	Oman	Near East	XXXIX
Dicrotophos	141-66-2	Pesticide	Saudi Arabia	Near East	XXVII
Diflubenzuron	35367-38-5	Pesticide	Oman	Near East	XXXIX
Dimefox	115-26-4	Pesticide	Oman	Near East	XXXIX
Dimefox	115-26-4	Pesticide	Saudi Arabia	Near East	XXVII
Dimethoate	60-51-5	Pesticide	Saudi Arabia	Near East	XXXVIII
Dimethylarsinic acid	75-60-5	Pesticide	Israel	Europe	XXXV
Dinitramine	29091-05-2	Pesticide	Mexico	Latin America and the Caribbean	XXVIII
Dinitramine	29091-05-2	Pesticide	Saudi Arabia	Near East	XXVII
Disulfoton	298-04-4	Pesticide	Maldives	Asia	LIV
Disulfoton	298-04-4	Pesticide	Oman	Near East	XXXIX
Disulfoton	298-04-4	Pesticide	Saudi Arabia	Near East	XXVII
Endrin	72-20-8	Pesticide	Maldives	Asia	LIV
Endrin	72-20-8	Pesticide	Nepal	Asia	XLII
Endrin	72-20-8	Pesticide	Mexico	Latin America and the Caribbean	XXVIII
Endrin	72-20-8	Pesticide	Saudi Arabia	Near East	XXVII
EPN	2104-64-5	Pesticide	Saudi Arabia	Near East	XXVII
Erbon	136-25-4	Pesticide	Mexico	Latin America and the Caribbean	XXVIII
Erbon	136-25-4	Pesticide	Saudi Arabia	Near East	XXXII
Esbiothrin	84030-86-4	Pesticide	Türkiye	Europe	LVII
Ethephon	16672-87-0	Pesticide	Saudi Arabia	Near East	XXVII
Ethoprophos	13194-48-4	Pesticide	Oman	Near East	XXXIX
Ethoprophos	13194-48-4	Pesticide	Saudi Arabia	Near East	XXXVIII
Ethylan	72-56-0	Pesticide	Saudi Arabia	Near East	XXVII
Ethylmercury chloride	107-27-7	Pesticide	Armenia	Europe	XII
Ethyl <i>p</i> -nitrophenyl benzenethiophosphonate (EPN)	2104-64-5	Pesticide	Indonesia	Asia	XLI
Fenamiphos	22224-92-6	Pesticide	Oman	Near East	XXXIX
Fenamiphos	22224-92-6	Pesticide	Saudi Arabia	Near East	XXVII
Fensulfothion	115-90-2	Pesticide	Maldives	Asia	LIV
Fensulfothion	115-90-2	Pesticide	Saudi Arabia	Near East	XXVII
Fenthion	55-38-9	Pesticide	Maldives	Asia	LIV
Fenthion	55-38-9	Pesticide	Oman	Near East	XXXIX
Fipronil	120068-37-3	Pesticide	Oman	Near East	XXXIX
Flucythrinate	70124-77-5	Pesticide	Oman	Near East	XXXIX
Fluorine	7782-41-4	Pesticide	Saudi Arabia	Near East	XXVII
Fluazifop	69335-91-7	Pesticide	Türkiye	Europe	LVII
Folpet	133-07-3	Pesticide	Saudi Arabia	Near East	XXVII
Fonofos	944-22-9	Pesticide	Maldives	Asia	LIV
Fonofos	944-22-9	Pesticide	Oman	Near East	XXXIX
Fonofos	944-22-9	Pesticide	Saudi Arabia	Near East	XXVII
Formothion	2540-82-1	Pesticide	Mexico	Latin America and the Caribbean	XXVIII
Fosthietan	21548-32-3	Pesticide	Oman	Near East	XXXIX
Fosthietan	21548-32-3	Pesticide	Saudi Arabia	Near East	XXVII
Gliflor	865-71-2	Pesticide	China	Asia	LV
Granosan-M	2235-25-8	Pesticide	Armenia	Europe	XII
Hexaethyl tetra phosphate	757-58-4	Pesticide	Saudi Arabia	Near East	XXVII
Hydrogen cyanide	74-90-8	Pesticide	Saudi Arabia	Near East	XXVII
Imazamethabenz-methyl	69969-22-8	Pesticide	Türkiye	Europe	LVII
Lead arsenate	7784-40-9	Pesticide	Togo	Africa	XLII

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Lead arsenate	7784-40-9	Pesticide	Thailand	Asia	XX
Leptophos	21609-90-5	Pesticide	Saudi Arabia	Near East	XXXVII
Linuron	330-55-2	Pesticide	Oman	Near East	XXXIX
Mancozeb	8018-01-7	Pesticide	Saudi Arabia	Near East	XXXVIII
Mephosfolan	950-10-7	Pesticide	Maldives	Asia	LIV
Mephosfolan	950-10-7	Pesticide	Oman	Near East	XXXIX
Mephosfolan	950-10-7	Pesticide	Saudi Arabia	Near East	XXXVII
Metham sodium	137-42-8	Pesticide	Saudi Arabia	Near East	XXXVII
Methidathion	950-37-8	Pesticide	Maldives	Asia	LIV
Methidathion	950-37-8	Pesticide	Oman	Near East	XXXIX
Methiocarb	2032-65-7	Pesticide	Saudi Arabia	Near East	XXXVIII
Methomyl	16752-77-5	Pesticide	Maldives	Asia	LIV
Methomyl	16752-77-5	Pesticide	Saudi Arabia	Near East	XXXVIII
Methoxychlor	72-43-5	Pesticide	Oman	Near East	XXXIX
Methoxychlor	72-43-5	Pesticide	Saudi Arabia	Near East	XXXVIII
Methyl bromide	74-83-9	Pesticide	Maldives	Asia	LIV
Methyl parathion	298-00-0	Pesticide	Cameroon	Africa	XVIII
Methyl parathion	298-00-0	Pesticide	Peru	Latin America and the Caribbean	XLVIII
Mevinphos	7786-34-7	Pesticide	Maldives	Asia	LIV
Mevinphos	7786-34-7	Pesticide	Oman	Near East	XXXIX
Mevinphos	7786-34-7	Pesticide	Saudi Arabia	Near East	XXXVII
MGK Repellent 11	126-15-8	Pesticide	Thailand	Asia	XX
Mirex	2385-85-5	Pesticide	Nepal	Asia	XLII
Mirex	2385-85-5	Pesticide	El Salvador	Latin America and the Caribbean	XXXVII
Mirex	2385-85-5	Pesticide	Maldives	Asia	LIV
Mirex	2385-85-5	Pesticide	Mexico	Latin America and the Caribbean	XXXVIII
Mirex	2385-85-5	Pesticide	Peru	Latin America and the Caribbean	XXXVI
Mirex	2385-85-5	Pesticide	Saudi Arabia	Near East	XXXVII
Monuron	150-68-5	Pesticide	Mexico	Latin America and the Caribbean	XXXVIII
N,N'-Methylene bis-(2-amino-1,3,4-thiadiazole)	26907-37-9	Pesticide	China	Asia	LV
Naled	300-76-5	Pesticide	Maldives	Asia	LIV
Nicotine	54-11-5	Pesticide	Oman	Near East	XXXIX
Nitrofen	1836-75-5	Pesticide	Maldives	Asia	LIV
Nitrofen	1836-75-5	Pesticide	China	Asia	LV
Nitrofen	1836-75-5	Pesticide	Mexico	Latin America and the Caribbean	XXXVIII
Oxydemeton-methyl	301-12-2	Pesticide	Oman	Near East	XXXIX
Oxydemeton-methyl	301-12-2	Pesticide	Saudi Arabia	Near East	XXXVIII
Paraquat	4685-14-7	Pesticide	Maldives	Asia	LIV
Paraquat	4685-14-7	Pesticide	Saudi Arabia	Near East	XXXVII
Paraquat dichloride	1910-42-5	Pesticide	Oman	Near East	XXXIX
Phenylmercury acetate	62-38-4	Pesticide	Mexico	Latin America and the Caribbean	XXXVIII
Phosfolan	947-02-4	Pesticide	Saudi Arabia	Near East	XXXVII
Phosphamidon	13171-21-6	Pesticide	Peru	Latin America and the Caribbean	XLVIII
Phosphonic diamide, <i>p</i> -(5-amino-3-phenyl-1 <i>H</i> -1,2,4-triazol-1-yl)- <i>N,N,N',N'</i> -tetramethyl-	1031-47-6	Pesticide	Mexico	Latin America and the Caribbean	XXXVIII

Chemical name	CAS No.	Category	Party	Region	PIC Circular
Polychloroterpenes	8001-50-1	Pesticide	Saudi Arabia	Near East	XXVII
Polyoxyethylene alkylphenol ether	9016-45-9, 26027-38-3, 9002-93-1, 9036-19-5 (list is not exhaustive)	Industrial	China	Asia	LII
Propargite	2312-35-8	Pesticide	Maldives	Asia	LIV
Propargite	2312-35-8	Pesticide	Saudi Arabia	Near East	XXXVIII
Propoxur	114-26-1	Pesticide	Saudi Arabia	Near East	XXXVIII
Prothoate	2275-18-5	Pesticide	Saudi Arabia	Near East	XXVII
Quintozene	82-68-8	Pesticide	Japan	Asia	XX
Quintozene	82-68-8	Pesticide	Saudi Arabia	Near East	XXXVIII
Quintozene	82-68-8	Pesticide	Oman	Near East	XXXIX
Safrole	94-59-7	Pesticide	Thailand	Asia	XX
Schradan	152-16-9	Pesticide	Mexico	Latin America and the Caribbean	XXVIII
Schradan	152-16-9	Pesticide	Saudi Arabia	Near East	XXVII
Silatrane	29025-67-0	Pesticide	China	Asia	LV
Simazine	122-34-9	Pesticide	Oman	Near East	XXXIX
Simazine	122-34-9	Pesticide	Saudi Arabia	Near East	XXXVIII
Sodium arsenite	7784-46-5	Pesticide	Maldives	Asia	LIV
Sodium cyanide	143-33-9	Pesticide	Saudi Arabia	Near East	XXVII
Sodium dimethylarsinate	124-65-2	Pesticide	Israel	Europe	XXXV
Sodium fluoroacetate	62-74-8	Pesticide	China	Asia	LV
Sodium fluoroacetate	62-74-8	Pesticide	Mexico	Latin America and the Caribbean	XXVIII
Sodium fluoroacetate	62-74-8	Pesticide	Saudi Arabia	Near East	XXVII
Sulfotep	3689-24-5	Pesticide	Maldives	Asia	LIV
Tefluthrin	79538-32-2	Pesticide	Oman	Near East	XXXIX
TEPP	107-49-3	Pesticide	Saudi Arabia	Near East	XXVII
Tetradifon	116-29-0	Pesticide	Saudi Arabia	Near East	XXXVIII
Tetramine	80-12-6	Pesticide	China	Asia	LV
Thallium sulphate	7446-18-6	Pesticide	Maldives	Asia	LIV
Thallium sulphate	7446-18-6	Pesticide	Saudi Arabia	Near East	XXVII
Thionazin	297-97-2	Pesticide	Saudi Arabia	Near East	XXVII
Thiram	137-26-8	Pesticide	Ecuador	Latin America and the Caribbean	XLVII
Triazophos	24017-47-8	Pesticide	Maldives	Asia	LIV
Trifloxysulfuron-sodium	199119-58-9	Pesticide	Türkiye	Europe	LVII
Trimedlure	12002-53-8	Pesticide	Türkiye	Europe	LVII
Zineb	12122-67-7	Pesticide	Oman	Near East	XXXIX
Zineb	12122-67-7	Pesticide	Saudi Arabia	Near East	XXXVIII

APPENDIX VI**INFORMATION EXCHANGE ON CHEMICALS RECOMMENDED BY THE
CHEMICAL REVIEW COMMITTEE FOR LISTING IN ANNEX III BUT FOR
WHICH THE CONFERENCE OF THE PARTIES HAS YET TO TAKE A FINAL
DECISION**

In line with decisions²¹ RC-3/3, RC-4/4, RC-6/8, RC-8/6, RC-8/7, RC-9/5 and paragraph 1 of Article 14, Appendix VI has been prepared to facilitate information exchange on chemicals that have been recommended for listing in Annex III to the Convention by the Chemical Review Committee but for which the Conference of the Parties has yet to take a final decision.

This appendix consists of two parts:

Part A provides a reference to the information that has been submitted by Parties on their decisions concerning the management of these chemicals.

Part B is a list of decisions on the import of these chemicals submitted by Parties. These import decisions are circulated for information only and do not constitute part of the legally binding PIC procedure.

Further information on these chemicals is available on the Convention website,²² including the notifications of final regulatory action and supporting documentation made available to the Chemical Review Committee and the draft decision guidance documents.

²¹ www.pic.int/tabid/1728/language/en-US/Default.aspx

²² www.pic.int/tabid/1185/language/en-US/Default.aspx

PART A**DECISIONS CONCERNING THE MANAGEMENT OF THE CHEMICALS
RECOMMENDED BY THE CHEMICAL REVIEW COMMITTEE FOR LISTING IN
ANNEX III BUT FOR WHICH THE CONFERENCE OF THE PARTIES HAS YET
TO TAKE A FINAL DECISION**

The information on decisions by Parties concerning the management of the chemicals recommended by the Chemical Review Committee for listing in Annex III, for which the Conference of the Parties has not yet taken a final decision, can be found in the following webpages of the RC website www.pic.int:

- The Convention/Chemicals/Recommended for listing; and
- Countries/Country profiles, “Submissions” tab section of the respective Country profile, as indicated in the following tables.

Acetochlor (CAS No. 34256-82-1)		
PIC REGION: PARTY	CATEGORY	INFORMATION ON REGULATORY AND MANAGEMENT DECISIONS
Africa: Burkina Faso, Cabo Verde, Chad, Gambia, Guinea-Bissau, Mali, Mauritania, Niger, Senegal, Togo	Pesticide	Chemical webpage: http://www.pic.int/tabid/7596/language/en-US/Default.aspx Country profiles: http://www.pic.int/tabid/1087/language/en-US/Default.aspx
Europe: Bosnia and Herzegovina, European Union, Serbia, Türkiye	Pesticide	http://www.pic.int/tabid/1087/language/en-US/Default.aspx

Carbosulfan (CAS No. 55285-14-8)		
PIC REGION: PARTY	CATEGORY	INFORMATION ON REGULATORY AND MANAGEMENT DECISIONS
Africa: Burkina Faso, Cabo Verde, Chad, Gambia, Mauritania, Niger, Senegal, Togo	Pesticide	Chemical webpage: http://www.pic.int/tabid/5393/language/en-US/Default.aspx Country profiles: http://www.pic.int/tabid/1087/language/en-US/Default.aspx
Europe: Bosnia and Herzegovina, European Union, Serbia, Türkiye	Pesticide	http://www.pic.int/tabid/1087/language/en-US/Default.aspx

Fenthion (ultra-low volume (ULV) formulations at or above 640 g active ingredient/L) (CAS No. 55-38-9)		
PIC REGION: PARTY	CATEGORY	INFORMATION ON REGULATORY AND MANAGEMENT DECISIONS
Africa: Chad	Severely hazardous pesticide formulation	Chemical webpage: http://www.pic.int/tabid/4339/language/en-US/Default.aspx Country profile: http://www.pic.int/tabid/1087/language/en-US/Default.aspx

Liquid formulations (emulsifiable concentrate and soluble concentrate) containing paraquat dichloride at or above 276 g/L, corresponding to paraquat ion at or above 200 g/L (CAS No. 1910-42-5)		
PIC REGION: PARTY	CATEGORY	INFORMATION ON REGULATORY AND MANAGEMENT DECISIONS
Africa: Burkina Faso	Severely hazardous pesticide formulation	Chemical webpage: http://www.pic.int/tabid/2396/language/en-US/Default.aspx Country profiles: http://www.pic.int/tabid/1087/language/en-US/Default.aspx

Chrysotile asbestos (CAS No. 12001-29-5)		
PIC REGION: PARTY	CATEGORY	INFORMATION ON REGULATORY AND MANAGEMENT DECISIONS
Africa: South Africa	Industrial	Chemical webpage: http://www.pic.int/tabid/1186/language/en-US/Default.aspx Country profiles: http://www.pic.int/tabid/1087/language/en-US/Default.aspx
Asia: Iran (Islamic Republic of), Japan	Industrial	
Europe: Bulgaria, Latvia, European Union, Switzerland, Türkiye	Industrial	
Latin America and the Caribbean: Chile, El Salvador	Industrial	
North America: Canada	Industrial	
Southwest Pacific: Australia	Industrial	

PART B**IMPORT DECISIONS ON THE CHEMICALS RECOMMENDED BY THE CHEMICAL REVIEW COMMITTEE FOR LISTING IN ANNEX III BUT FOR WHICH THE CONFERENCE OF THE PARTIES HAS YET TO TAKE A FINAL DECISION**

Chrysotile asbestos (CAS No. 12001-29-5)		
PARTY	IMPORT DECISION	DATE RECEIVED
Canada	<p><u>Consent to import only subject to specified conditions:</u> The <i>Prohibition of Asbestos and Products Containing Asbestos Regulations</i> do not prohibit the:</p> <ul style="list-style-type: none"> - Import and use of asbestos in the chlor-alkali industry (until December 31, 2029); - Import, sale and use of products containing asbestos to service equipment in nuclear facilities if no technically or economically feasible asbestos-free alternative is available (until December 31, 2022); - Import, sale and use of products containing asbestos to service military equipment if no technically or economically feasible asbestos-free alternative is available (until December 31, 2022); - Import, sale and use, under the authority of a permit, of products containing asbestos to service military equipment or equipment of a nuclear facility if there was no technically or economically feasible asbestos-free alternative available at the time the permit application was submitted (after December 31, 2022); - Import, sale and use of military equipment serviced with a product containing asbestos while it was outside of Canada for the purpose of a military operation if no technically or economically feasible asbestos-free alternative is available; - Import, sale and use of asbestos and products containing asbestos for the purpose of display in a museum; - Import, sale and use of asbestos and products containing asbestos for scientific research, for sample characterization or as an analytical standard in a laboratory; - Transfer of physical possession or control of asbestos or a product containing asbestos to allow its disposal; and - Import, use and sale, under the authority of a permit, of asbestos and products containing asbestos to protect the environment or human health if there was no technically or economically feasible asbestos-free alternative available at the time the permit application was submitted. <p><u>Administrative measure:</u> <i>Prohibition of Asbestos and Products Containing Asbestos Regulations</i>. P.C. 2018-1210, 28 September, 2018, SOR/2018-196, Canada Gazette, Part 11, vol. 152, no. 21, p.3405, October 17, 2018. http://gazette.gc.ca/rp-pr/p2/2018/2018-10-17/html/sor-dors196-eng.html</p> <p>The above named regulations prohibit the import, sale and use of asbestos, as well as the manufacture, import, sale and use of products</p>	25 April 2019

Chrysotile asbestos (CAS No. 12001-29-5)		
PARTY	IMPORT DECISION	DATE RECEIVED
	<p>containing asbestos, with a limited number of exclusions, see "Other remarks" section.</p> <p><u>Other remarks:</u></p> <p>In addition to the exclusions mentioned above, the <i>Prohibition of Asbestos and Products Containing Asbestos Regulations</i> (the Regulations) do not apply to:</p> <ul style="list-style-type: none"> • Asbestos or a product containing asbestos that is in transit through Canada, from a place outside Canada to another place outside Canada. • Asbestos that is integrated into a structure or infrastructure if the integration occurred before the day on which these Regulations came into force (December 30, 2018). • A product containing asbestos used before the day on which these Regulations came into force (December 30, 2018). • Pest control products (as defined in subsection 2(1) of the <i>Pest Control Products Act</i>), as pest control products are regulated under this Act. <p>The Regulations do not apply to mining residues except for the following activities, which are prohibited:</p> <ul style="list-style-type: none"> • The sale of asbestos mining residues for use in construction and landscaping, unless the use is authorized by the province in which the construction or landscaping occurs; and <p>The use of asbestos mining residues to manufacture a product that contains asbestos.</p>	
European Union	<p><u>Consent to import only subject to specified conditions:</u></p> <p>The manufacture, placing on the market and use of chrysotile asbestos fibres and of articles containing these fibres added intentionally is prohibited. However, Member States may exempt the placing on the market and use of diaphragms containing chrysotile for existing electrolysis installations until they reach the end of their service life, or until suitable asbestos-free substitutes become available, whichever is the sooner. By 1 June 2011 Member States making use of this exemption shall provide a report to the Commission. The Commission shall ask the European Chemicals agency to prepare a dossier with a view to prohibit the placing on the market and use of diaphragms containing chrysotile.</p> <p><u>Administrative measure:</u></p> <p>The chemical was prohibited (with the one limited derogation referred to section 5.3 above) by 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 (Official Journal of the European Communities (OJ) L396 of 30 December 2006, p. 1) as amended by Commission Regulation (EC) No 552/2009 of 22 June 2009 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annex XVII (OJ L 164 of 22 June 2009, p. 7).</p>	6 October 2009

Liquid formulations (emulsifiable concentrate and soluble concentrate) containing paraquat dichloride at or above 276 g/L, corresponding to paraquat ion at or above 200 g/L (CAS No. 1910-42-5)		
PARTY	IMPORT DECISION	DATE RECEIVED
Qatar	<p><u>No consent to import</u></p> <p><u>Administrative measure:</u></p> <p>(*) Ministry of Environment to perform all the tasks and actions to protect the environment in the country, According to the law No. 30 of 2002 Article (26). Prohibiting the import or handling or transport of hazardous materials, without authorization from the competent administrative authority, and article (29) or law No. 30 of 2002 Provides (spray or prohibited the use of pesticides or other chemical compounds for agriculture, public health or other purposes but after taking into account the requirements and checks and balances defined by the regulations, to ensure that human, animal or plant or watercourses or other components of the environment directly or indirectly on the spot or future adverse impacts of pesticides or chemical compounds (*)Law No. 24 of 2010 Promulgating the Law (Regulation) of Pesticides in the States of the Cooperation Council for the Arab State of the Gulf.</p>	2 November 2015

Fenthion (ultra-low volume (ULV) formulations at or above 640 g active ingredient/L) (CAS No. 55-38-9)		
PARTY	IMPORT DECISION	DATE RECEIVED
Nigeria	<p><u>No consent to import</u></p> <p><u>Administrative measure:</u></p> <p>The final decision is based on resolutions of the national committee on chemicals management (NCCM), a body charged with the responsibilities of promoting and co-ordinated, continuous and cost efficient approach to chemicals safety and management across all sectors necessary to protect the environment, human and animal health in Nigeria.</p>	5 February 2020

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