

## Section 5 Country contributions: Information on the regulatory status of POPs; bans, restrictions, and/or other legal permitted uses.

**The following countries reported not having any legal action taken to control POPs:**  
Albania, Algeria, Armenia, Belarus, Bulgaria, Congo, Fiji Islands, Kazakhstan, Uzbekistan, Venezuela

### I. República Argentina

**Comments:** Prohibición de producción, importación y uso de plaguicidas orgánicos persistentes para acciones sanitarias. Resolución n° 364/99- MS yAS. Boletín Oficial 27/05/1999. Autoridad de Aplicación: Ministerio de Salud y Acción Social (MS yAS).

Perfil Nacional de Sustancias Químicas- 1997- Ministerio de Salud (MS yAS)

Base de datos legislación Secretaría de recursos Naturales y Desarrollo Sostenible.

Boletín Oficial.

*Abreviaturas utilizadas:*

SA y G: Secretaría de Agricultura y Ganadería- Ministerio de Economía de la Nación.

SS a, G y P: SubSecretaría de Agricultura, ganadería y Pesca.

S, A, G, P y A: Secretaría de Agricultura, ganadería, pesca y alimentación. Las anteriores son leas distintas denominaciones que tuviera el área de agricultura y ganadería de la Nación, dependiente del Ministerio de Economía de la Nación, en los períodos contemplados en la normativa presentada.

PEN: Poder Ejecutivo Nacional

MS y AS: Ministerio de Salud y Acción Social

MT y SS: Ministerio de Trabajo y Seguridad Social

SRN y DS: Secretaría de recursos Naturales y Desarrollo Sostenible.

POPs Chemical	Banned	Restricted	No Action
<b>Aldrin</b>	Prohibición total para uso agrícola- Decreto PEN N°2121/90 Boletín Oficial 16/10/1990. Autoridad Aplicación: SS A, G y P (Sanidad Vegetal)	Prohibición de uso en bovinos y porcinos- Decreto 2143/68: publicado Boletín Oficial 30/04/68. Autoridad Aplicación: SA y G (Sanidad Animal)	

<b>Dieldrin</b>	Prohibición de fabricación, importación, formulación, comercialización y Uso. Ley Nacional n°22,289- 1980. Boletín Oficial 02/10/1980. Auto.Applic. SA,G y P.		
<b>DDT</b>	Prohibición total para uso agrícola- Decreto PEN N°2121/90 Boletín Oficial 16/10/1990. Autoridad Aplicación: SS A, G y P (Sanidad Vegetal) Prohibición en medicina humana_ Resolución MsvAS n°133/91. Auto.Aplic: Ministerio de Salud y Acción Social- 1991.	Prohibición de uso en bovinos y porcinos- Decreto 2143/68: publicado Boletín Oficial 30/04/68. Autoridad Aplicación: SA y G (Sanidad Animal)	
<b>Endrin</b>	Prohibición total para uso agrícola- Decreto PEN N°2121/90 Boletín Oficial 16/10/1990. Autoridad Aplicación:SS A, G y P (Sanidad Vegetal)	Prohibición de uso en bovinos y porcinos- Decreto 2143/68: publicado Boletín Oficial 30/04/68. Autoridad Aplicación: SA y G (Sanidad Animal)	
<b>Chlordane</b>	Prohibición de importación, comercialización y uso como fitosanitario de los principios activos clordano y lindano, y los productos formulados con base en estos. Resolución n°513/98. Resolución S,A,G,P n°513-1998. Boletín Oficial 13/08/1998	Prohibición de uso en bovinos y porcinos- Decreto 2143/68: publicado Boletín Oficial 30/04/68. Autoridad Aplicación: SA y G (Sanidad Animal)	
<b>Hexachloro- benzene</b>		Prohibición de uso en bovinos y porcinos- Decreto PEN2143/68- Boletín Oficial 30/04/68. Auto.Applic. SA y G (Sanidad Animal) Prohibición como gorgorocida. Disposición n°47/2- Sanidad Vegetal. Boletín Oficial 01/06/72. Auto.Aplic. SA yG. Prohibición como terapéutico de semillas- resolución n°10/91. Autoridad de Aplicación SS,A,G yP. Régimen de expropiación de fungicidas formulados con HCB.-Lev.Nacional 20.316 de1973. Boletín Oficial 11/05/1973. Auto.Aplic. S,A yG.	
<b>Mirex</b>			X
<b>Toxaphene</b>		Same (1) &(2) as HCB. (3) Prohibición de uso en ciclo vegetativo de cereales y oleaginosas. Disposición n°79/72. Boletín Oficial 1972. Aut.Aplic. SA yG (Sanidad Vegetal)	
<b>Heptachlor</b>	Prohibición total- Resolución 27/93. Boletín Oficial de 1993. Auto.Aplic: SSA G yP	Prohibición en sanidad animal- Decreto PEN n°647/68. Boletín Oficial de 1968. Auto. Aplic S A yG.	

<b>PCBs</b>		<p>Normas para el uso, manipulación y disposición segura de PCB y sus desechos. Resolución n°369/91. MT y SS. Boletín Oficial 02/05/1991. Aut.Aplic.Ministerio de Trabajo.</p> <p>Registro de empresas que utilicen PCBs- Disposición n°02/95. Boletín Oficial 1995. Aut.Aplic.:Ministerio de Trabajo y seguridad Social (MTySS)</p> <p>Considerados Residuos Peligrosos (Cat.Control Y10). Ley Nacional n°24051 (LRP) de 1992- Decreto regl. N°831/93. Boletín Oficial:03/05/1993.</p>	
<b>Dioxins and Furans</b>		<p>Considerados residuos peligrosos (Categ.Control Y43 e Y44). Ley Nacional 24.051- Decreto Regla.n°03/05/1993. Boletín Oficial:LRP 1992-Decreto Regl.:03/05/1993. Ley Nacional de residuos peligrosos (24.051). Boletín Oficial de 1992.Aut.Aplic.: Secretaría de Recursos Naturales y desarrollo Sustentable.</p>	

## II. Austria

### Data Sources:

Federal Law Gazette N°747/1995 concerning Maximum Values of Residues of Pest Control Agents in and on Food Products.

Federal Law Gazette N°448/1991 concerning the content of Pesticides in Drinking Water.

POPs Chemical	Banned	Restricted	No Action	Comments
<b>Aldrin</b>	X			<p>Federal Law Gazette N°97/1992 ordinance concerning the Ban of Certain Dangerous Substances in Plant Protection products: these substances shall not be produced or marketed.</p> <p>Federal law Gazette N°502/1991, Ordinance concerning threshold values for groundwater: threshold value for ΣPCB=0,06µg/l. If an area is not just temporarily affected, the head of the provincial government has to declare it to be a groundwater re-mediation area. Due actions have to follow.</p>
<b>Dieldrin</b>	X			Same as Aldrin
<b>DDT</b>	X			Same as Aldrin
<b>Endrin</b>	X			Same as Aldrin

<b>Chlordane</b>	X			Same as Aldrin
<b>Hexachloro-benzene</b>	X			Same as Aldrin
<b>Toxaphene</b>	X			Same as Aldrin
<b>Heptachlor</b>	X			Same as Aldrin
<b>PCBs</b>				<p>Ordinance N°210/1993 (Federal Law Gazette) concerning the ban of halogenated biphenyl's, terphenyl's, naphtalines and diphenylmethanes.</p> <p>Federal law Gazette N°502/1991, Ordinance concerning threshold values for groundwater: threshold value for <math>\Sigma</math>PCB=0,06<math>\mu</math>g/l. If an area is not just temporarily affected, the head of the provincial government has to declare it to be a groundwater re-mediation area. Due actions have to follow.</p> <p>Federal Law Gazette N°502/1991, ordinance concerning the Examination of Water Quality: the content of PCB in ground water is to be measured periodically.</p> <p>A number of Ordinances concerning waste management and treatment regulates the declaration of PCB-containing wastes as dangerous, duty of notification and number codes for different kinds of PCB-containing wastes.</p> <p>Lower Austrian Law Gazette 6160/2-0 (1994) and 6160/2-1 (1994) and Upper Austrian Law Gazette 217/1993, Ordinance concerning Sewage Sludge: Maximum Values for each of the Ballschmitter-congeners=0,2mg/kg dry substance.</p>
<b>Dioxins and Furans</b>		Restriction		<p>General ELV for Dioxin/Furan emissions of waste combustion facilities: &lt;0,1ng I-TEQ /m<sup>3</sup>. LRV-K (Air Ordinance for steam boilers)</p> <p>Sinter plant: ELV=0,4ng I-TEQ/m<sup>3</sup>, enter into force for new plants in 2004. 163: Ordinance "Reduction of Emissions from sinter plants"</p> <p>Production of iron and steel: ELV=0,4ng I-TEQ/m<sup>3</sup> (until 2006), ELV=0,1ng I-TEQ/m<sup>3</sup> (from 2006). 160: Ordinance "Reduction of emissions from sinterplants"</p> <p>Copper production: ELV=0,9ng I-TEQ/m<sup>3</sup></p>

### III. Barbados, W.I.:

**Comments:** The ban dates for some of the imported POPs could only be estimated, since the licensing body, the Pesticide Control Board, kept no precise records, only deciding in the mid-80's to stop licensing the import of organochloride compounds.

**Data Sources:** The Pesticide Control Board (PCB), Ministry of Agriculture and Rural Development and The Barbados Light and Power Company.

POPs Chemical	Banned	No Action	Comments
<b>Aldrin</b>	24-09-1987		
<b>Dieldrin</b>	1986		
<b>DDT</b>	11-06-1967		
<b>Endrin</b>	1986		
<b>Chlordane</b>	31-12-1986		
<b>Hexachloro-benzene</b>	Since the mid-1980's, there was a general refusal to issue import licenses for organochloride compounds.		
<b>Mirex</b>	Since the mid-1980's, there was a general refusal to issue import licenses for organochloride compounds.		
<b>Toxaphene</b>	Since the mid-1980's, there was a general refusal to issue import licenses for organochloride compounds.		
<b>Heptachlor</b>	1986		
<b>PCBs</b>		X	Barbados Light and Power, the island's largest distributor of electrical transformers, has only ever used 2 PCB transformers. They have always used mineral oil transformers. There has been no inventory done, however on the island's largest industrial plants, who bring in their own transformers.

#### IV. Belgium

Data source: Royal decrees in Belgium.

POPs Chemical	Banned	Restricted	Comments
<b>Aldrin</b>	1976 for agricultural/non-agricultural use		
<b>Dieldrin</b>	1974 for agricultural use 1976 for non-agricultural use		
<b>DDT</b>	1974 for agricultural use 1976 for non-agricultural use		
<b>Endrin</b>	1962 for agricultural use 1962 for non-agricultural use		
<b>Chlordane</b>	1981 for agricultural use 1988 for non-agricultural use		
<b>Hexachloro-benzene</b>	1974 for agricultural use and never authorized for non agricultural use		
<b>Mirex</b>	Never authorised		
<b>Toxaphene</b>	1974 for agricultural use and never authorized for non agricultural use		Source: Royal decrees in Belgium
<b>Heptachlor</b>	1976 for agricultural use and never authorized for non agricultural use		
<b>PCBs</b>		Royal Decree of 9/07/86	regulatory action that limits the use of PCB-PCT and that makes an inventory of PCB equipment

<b>Dioxins and Furans</b>			Emissions standards for dioxins are set for several sectors: waste incineration: 0,1 Ng TEQ/Nm3 wood incineration: idem refineries: new installations: 0,5 Ng/Nm3 and existing:2,5 Ng TEQ/Nm3 (from 01/01/2002) combustion plants: 0,1 Ng TEQ/Nm3 non ferro sector: new: 0,5 Ng TEQ/Nm3 and existing 2,5 Ng TEQ/Nm3 (from 01/01/2002) crematoria: 0,1 Ng TEQ/Nm3 / from 01/01/2003) Emission standards from VLAREM (Flemish environmental regulation)
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#### V. Benin

Comments: toutes les mesures n'empêchent pas l'entrée frauduleuse et l'utilisation clandestine des POPs.

Data source: Ministère du développement rural, Direction de l'Agriculture (Service de Protection des Végétaux)

SPV/DAGRI/HDR. Ministère de l'Environnement, de l'Habitat et de l'Urbanisme.

POPs Chemical	Banned	No Action	Comments
<b>Aldrin</b>	1993		Arrêté interministeriel N°0255/MDR portant interdiction d'emploi en Agriculture de matières actives entrant dans la composition de produits phytopharmaceutiques dontles POP visés dans le document d'ensemble.
<b>Dieldrin</b>	1993		Idem Aldrin
<b>DDT</b>	1993		Idem Aldrin
<b>Endrin</b>	1993		Idem Aldrin
<b>Chlordane</b>	1993		Idem Aldrin
<b>Mirex</b>	1993		Idem Aldrin
<b>Heptachlor</b>	1993		Idem Aldrin
<b>Dioxins and Furans</b>		X	

## VI. Brazil

**Comments:** Brazil does not produce any of the 10 POPs, but imports Heptachlor as wood preservative.

(\*) Prohibition of agricultural use, trade and distribution of organochlorine pesticides. Exception: Aldrin for ant control, wood preservative, public health and agricultural emergency use; Mirex for ant control. But in 1993, Brazil prohibited Mirex and Aldrin for all agricultural uses.

(\*\*) In 1998- Ministry of health prohibited the use of DDT for public health.

POPs Chemical	Banned	Comments
<b>Aldrin</b>	1993	CONAMA Resolution n°20-86- specific for water Directs n°204/97- Transport of dangerous products Directs n°329/85- use in agriculture*
<b>Dieldrin</b>	1993	CONAMA Resolution n°20-86- specific for water
<b>DDT</b>	1993 1998 for public health use	CONAMA Resolution n°06/88 CONAMA Resolution n°20-86- specific for water Directs n°204/97- Transport of dangerous products Directs n°329/85- use in agriculture*
<b>Endrin</b>	1993	CONAMA Resolution n°20-86- specific for water Directs n°204/97- Transport of dangerous products Directs n°329/85- use in agriculture*
<b>Chlordane</b>	1993	CONAMA Resolution n°20-86- specific for water Directs n°204/97- Transport of dangerous products
<b>Hexachloro-benzene</b>	1993	CONAMA Resolution n°06/88 Directs n°204/97- Transport of dangerous products Directs n°329/85- use in agriculture*
<b>Mirex</b>	1993	CONAMA Resolution n°20-86- specific for water Directs n°204/97- Transport of dangerous products Directs n°329/85- use in agriculture*
<b>Toxaphene</b>	1993	CONAMA Resolution n°20-86- specific for water Directs n°329/85- use in agriculture*
<b>Heptachlor</b>	1993	CONAMA Resolution n°20-86- specific for water Directs n°204/97- Transport of dangerous products Directs n°329/85- use in agriculture*
<b>PCBs</b>		CONAMA Resolution n°06/88 CONAMA Resolution n°20-86- specific for water Directs n°204/97- Transport of dangerous products CONAMA Resolution n°19/94 Directs n°19/81

## VII. Burkina Faso

**Data Source:** Profil National pour la gestion des produits chimiques / Service de la Protection des Végétaux et Contrôle Phytosanitaire.

**Comments:** Toutes les mesures d'interdiction sont provisoires. NB: pour les Annexes 1 et 2, rien n'est entrepris a leur sujet.

POPs Chemical	Banned	No Action
<b>Aldrin</b>	X, no date of effectiveness	
<b>Dieldrin</b>	X, no date of effectiveness	
<b>DDT</b>	X, no date of effectiveness	
<b>Endrin</b>		X
<b>Chlordane</b>	X, no date of effectiveness	
<b>Hexachloro-benzene</b>		X
<b>Mirex</b>		X
<b>Toxaphene</b>		X
<b>Heptachlor</b>	X, no date of effectiveness	
<b>PCBs</b>		X
<b>Dioxins and Furans</b>		X

## VIII. Canada

**Comments:** Dioxins/furans and hexachlorobenzene may occur as unintentional contaminants of products and emissions. Initiatives are underway to control/reduce these releases consistent with the Canadian federal government's Toxic Substances Management Policy.

**Data source:** PMRA (Pest Management Regulatory Agency). 1997. Product History and Regulatory Information Sheet. Health Canada, Ottawa, Canada, K1A 0K9.

Polychlorinated Biphenyl's: Biological Criteria for an assessment of their effects on environmental quality, NRCC No. 16077, 1978.

Chlorobiphenyl's Regulations, SOR 91-152, made by order in Council P.C. 1991-300 of February 21, 1991.

Environment Canada. 1993. Polychlorinated dibenzodioxins and polychlorinated dibenzofurans - Canadian

Environmental Protection Act. Priority Substance List Assessment Report No. 1. ISBN 0-662-17644-8, 56 pages.

Environment Canada. 1997. Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans. Candidate Substance for Management under Track I of the Toxic Substances Management Policy. ISBN 0-662-25427-9, 36 pages.

POPs Chemical	Comments
<b>Aldrin</b>	The use against termites was voluntarily discontinued by the registrant in December 1990 with the understanding that existing stocks would be sold, used or disposed-of by the end of 1995. After this date, the sale or use of aldrin in Canada represents a violation of the Pest Control Products Act. The Canadian federal government's Toxic Substances Management Policy (TSMP) provides a framework for the virtual elimination of aldrin from the environment.
<b>Dieldrin</b>	Same as above
<b>DDT</b>	DDT was widely used in Canada to control insect pests in crops, and for domestic and industrial applications. Registration of all uses of DDT was discontinued in 1985 with the understanding that existing stocks would be sold, used or disposed of by the next registration renewal date of December 31, 1990. After this date, any sale or use of DDT in Canada represents a violation of the Pest Control Products Act. The Canadian federal government's Toxic Substances Management Policy (TSMP) provides a framework for the virtual elimination of DDT from the environment.

<b>Endrin</b>	<p>Endrin was widely used in Canada to control insect pests in crops and as a rodenticide. In response to concerns regarding environmental persistence, most Canadian uses of endrin were phased-out in the early 1970s. The persistent nature of this insecticide prompted periodic re-evaluations of its registration.</p> <p>In 1989, the last registrant, indicated that there would be no further manufacture of the pesticide. Existing stocks would be sold, used or disposed-of by the end of 1994. After this date, the sale or use of endrin in Canada represents a violation of the Pest Control Products Act. The Canadian federal government's Toxic Substances Management Policy (TSMP) provides a framework for the virtual elimination of endrin from the environment.</p>
<b>Chlordane</b>	<p>Widely used in Canada to control insect pests in crops and forests, and for domestic and industrial applications. In response to environmental and safety concerns, most uses of chlordane were phased-out in the 1970s. The persistent nature of this insecticide and human health concerns prompted periodic re-evaluations of its registration.</p> <p>On December 31, 1985, uses of chlordane were no longer registered with the exception of control of subterranean termites by licensed pesticide applicators. The uses against termites were voluntarily discontinued by the registrants on December 31, 1990, with the understanding that existing stocks would be sold, used or disposed-of by the end of 1995. After this date, the sale of chlordane in Canada represents a violation of the Pest Control Products Act. The Canadian federal government's Toxic Substances Management Policy (TSMP) provides a framework for the virtual elimination of chlordane from the environment.</p>
<b>Hexachlorobenzene</b>	<p>Hexachlorobenzene was registered for use in Canada as a fungicidal seed treatment. Registration was discontinued in 1976 due to environmental concerns with the understanding that existing stocks would be sold, used or disposed-of by the end of 1981. After this date, the sale or use of hexachlorobenzene in Canada represents a violation of the <i>Pest Control Products Act</i>.</p> <p>Currently, the principal sources of hexachlorobenzene to the Canadian environment are estimated to be by-products from the manufacture and use of chlorinated solvents, application of HCB-contaminated pesticides, incineration of HCB-containing wastes, and long-range transport from other countries. The Canadian federal government's Toxic Substances Management Policy (TSMP) provides a framework for the virtual elimination of hexachlorobenzene from the environment.</p>
<b>Mirex</b>	<p>Mirex was never registered for use as a pesticide in Canada. It has been used in Canada as a fire retardant in a variety of commercial products. Mirex has been used worldwide as an insecticide for control of fire ants, termites and other insect pests. The Canadian federal government's Toxic Substances Management Policy (TSMP) provides a framework for the virtual elimination of mirex from the environment.</p>
<b>Toxaphene</b>	<p>All uses of toxaphene, except for veterinarian use on hogs, were ended on 31 October, 1980. On December 31, 1982, the registration of products containing toxaphene for veterinary use was voluntarily inactivated by the registrant with the understanding that existing stocks would be sold, used or disposed-of by December 31, 1985. After this date, the sale or use of Toxaphene in Canada represents a violation of the Pest Control Products Act. The Canadian federal government's Toxic Substances Management Policy (TSMP) provides a framework for the virtual elimination of toxaphene from the environment.</p>
<b>Heptachlor</b>	<p>Widely used in Canada to control insect pests in crops, and for domestic applications. In response to environmental concerns, most Canadian uses of heptachlor were phased-out in the 1970s. The persistent nature of this insecticide prompted periodic re-evaluations of its registration.</p> <p>With the exception of a use on narcissus bulbs, all uses of heptachlor were ended effective December 31, 1976. The last use of heptachlor on narcissus was voluntarily discontinued by the registrant as of December 31, 1985 with the understanding that existing stocks would be sold, used or disposed-of by the end of 1990. After this date, the sale or use of heptachlor in Canada represents a violation of the Pest Control Product Act. The Canadian federal government's Toxic Substances Management Policy (TSMP) provides a framework for the virtual elimination of heptachlor from the environment.</p>

<b>PCBs</b>	<p>PCBs were never manufactured in Canada but were imported for use and have been used in a wide range of products including dielectric fluids, heat transfer agents, lubricants, flame retardant, plasticizers and water proofing agents.</p> <p>PCBs are regulated under a series of regulations promulgated under the Canadian Environmental Protection Act. The Chlorobiphenyl regulations were first issued in 1977 and prohibited the use of PCBs except for specified existing electrical equipment. These regulations also prohibit the manufacture, process, sale and import of any PCB filled equipment and prohibit the use of PCBs as a new filling or make-up fluid in any equipment.</p> <p>With respect to import, the federal Chlorobiphenyls Regulations allow import for destruction purposes only. The Canadian federal government's Toxic Substances Management Policy (TSMP) provides a framework for the virtual elimination of PCBs from the environment.</p>
<b>Dioxins and Furans</b>	<p>Dioxins and furans may enter the environment from four broad categories of sources: chemical products, combustion, natural and industrial.</p> <p>There is no intentional production or use of PCDDs and PCDFs with the exception of small quantities (i.e., milligrams or grams) produced and used in scientific research. Anthropogenic sources include a broad range of industrial and combustion processes. Other anthropogenic sources include releases from processes such as municipal, medical and hazardous waste incinerators, cement kilns, steel plants, wood combustion and diesel fuel combustion, and the dispersion of commercial products contaminated by PCDDs and PCDFs.</p> <p>The Canadian federal government's Toxic Substances Management Policy (TSMP) provides a framework for the virtual elimination of dioxins/furans from the environment</p>

#### IX. Chile

Data Source: Comisión Nacional del Medio Ambiente (CONAMA), Servicio Agrícola y ganadero (SAG), Ministerio de Agricultura, Asociación Nacional de Fabricantes e Importadores de Productos Fitosanitarios Agrícolas A.G. (AFIPA A.G.), Asociación Gremial de Industriales Químicos de Chile (ASIQUIM)

<b>POPs Chemical</b>	<b>Banned</b>	<b>No Action</b>
<b>Aldrin</b>	Resolución n°2003 de 22 de Noviembre de 1998: Prohíbe la importación y fabricación de aldrin a partir del 01.01. 1989. Prohíbe la distribución, venta y uso de Aldrin a partir del 01.04 1989.	
<b>Dieldrin</b>	Resolución n°2142 de 19 de Octubre de 1987: Prohíbe la importación y fabricación de Dieldrin a partir de la fecha de la resolución. Prohíbe la distribución, venta y uso de Dieldrin a partir del 01.01.1998.	
<b>DDT</b>	Resolución n°639 de 7 de Mayo de 1984: Prohíbe la importación y fabricación de DDT a partir de la fecha de la resolución. Prohíbe la distribución, venta y uso de DDT a partir del 01.01.1985.	
<b>Endrin</b>	Resolución n°2142 de 19 de Octubre de 1987: Prohíbe la importación y fabricación de Dieldrin a partir de la fecha de la resolución. Prohíbe la distribución, venta y uso de Dieldrin a partir del 01.01.1998	

<b>Chlordane</b>	Resolución n°2142 de 19 de Octubre de 1987: Prohíbe la importación y fabricación de Dieldrín a partir de la fecha de la resolución. Prohíbe la distribución, venta y uso de Dieldrín a partir del 01.01.1998.	
<b>Hexachloro- benzene</b>		X
<b>Mirex</b>		X
<b>Toxaphene</b>	Resolución n°2179 de 17 de julio de 1998: Prohíbe la importación y fabricación de heptacloro a partir de la fecha de la resolución. Prohíbe la distribución, venta y uso de Toxafeno a partir de la fecha de esta resolución.	
<b>Heptachlor</b>	Resolución n°2142 de 19 de Octubre de 1987: Prohíbe la importación y fabricación de Dieldrín a partir de la fecha de la resolución. Prohíbe la distribución, venta y uso de Dieldrín a partir del 01.01.1998.	
<b>PCBs</b>	Prohíbe el uso de PCBs como fluido dieléctrico en transformadores, condensadores y cualquier otro equipo eléctrico. Resolución exenta n°610, del 03/09/82.	
<b>Dioxins and Furans</b>		X

#### X. China

POPs Chemical	Banned	Restricted	Comments
<b>Aldrin</b>	1994	X	Max. residue limit in grain: 0,02mg/kg. GB2715-81
<b>Dieldrin</b>	1994	X	Max. residue limit in grain: 0,02mg/kg. GB 5127-85
<b>DDT</b>	1994	X	Max residue limit MRL(mg/kg) in milk, dairy products, vegetables, fruits<0,1; in cereals (final products) and meat<0,2; and in eggs and other products<=2.0. National standards GB2763-81 and GBn136-81 Max. permissible conc. Ambient air in factories 0,3mg/m3. National standard TJ36-39 MAC surface water 0,2mg/l, and fishery water<0,001µg/ml. National standard TJ36-79 Ministry of Agriculture, Animal Husbandry and fishery "Rules for safe use of pesticides" 1982-6. Guidelines for use of pesticides" (1)(2)1988, (3)1990. GB8321.1~8321.2-87 and GB8321.3-89 Production banned in Jan 1983 (Decision of State Council). The code of Criminal Procedure (Revised) of P.R. of China March 1997.

<b>Endrin</b>	1994		Regulations for Environmental management on the First Import of Chemicals and Import and Export of Toxic Chemicals, implemented since May 1994, no import/export allowed without permission
<b>Chlordane</b>	1994		Regulations for Environmental management on the First Import of Chemicals and Import and Export of Toxic Chemicals, implemented since May 1994, no import/export allowed without permission
<b>Hexachloro-benzene</b>	1994		Regulations for Environmental management on the First Import of Chemicals and Import and Export of Toxic Chemicals, implemented since May 1994, no import/export allowed without permission
<b>Mirex</b>	1994		Regulations for Environmental management on the First Import of Chemicals and Import and Export of Toxic Chemicals, implemented since May 1994, no import/export allowed without permission
<b>Toxaphene</b>	1994		Regulations for Environmental management on the First Import of Chemicals and Import and Export of Toxic Chemicals, implemented since May 1994, no import/export allowed without permission
<b>Heptachlor</b>	1994		Regulations for Environmental management on the First Import of Chemicals and Import and Export of Toxic Chemicals, implemented since May 1994, no import/export allowed without permission. MRL in grain 0,02mg/kg. National standard GB 2718-81
<b>PCBs</b>	1994		Regulations for Environmental management on the First Import of Chemicals and Import and Export of Toxic Chemicals, implemented since May 1994, no import/export allowed without permission Max. PCB limit in sea foods 0,2mg/kg. Chinese standard GB 9674-88 Control limit $\geq$ 50 mg/kg. Chinese standard GB 13015-91

**XI. Colombia:**

Comments: Regulation regarding the levels of PCBs in used oils that are reused in combustion processes is under development.

The Ministry of the Environment is developing regulations for:

- 1) Emission limits at incineration sites.
- 2) Handling and disposal of hospital residues.

Data Source: Ministry of the Environment, Ministry of Agriculture, Ministry of Health

<b>POPs Chemical</b>	<b>Banned</b>
<b>Aldrin</b>	Decree 305 of February 16 <sup>th</sup> of 1998: prohibits import, production, formulation and sale.
<b>Dieldrin</b>	Decree 305 of February 16 <sup>th</sup> of 1998: prohibits import, production, formulation and sale. Decree 010255 of December 9 <sup>th</sup> 1993 by the Ministry of Health: prohibits import, production, formulation, trade, handling, use and application
<b>DDT</b>	Resolution N° 891 of 1986 by the Instituto Colombiano Agropecuario (ICA): prohibits use in agriculture. Resolution 010255 of December 9 <sup>th</sup> 1993: prohibits its use in Public Health as from December 1994.
<b>Endrin</b>	Prohibited by resolution 1849 of 1995 by the Instituto Colombiano Agropecuario (ICA)
<b>Chlordane</b>	Decree 305 of February 16 <sup>th</sup> of 1998: prohibits import, production, formulation and sale. Decree 010255 of December 9 <sup>th</sup> 1993 by the Ministry of Health: prohibits import, production, formulation, trade, handling, use and application
<b>Hexachloro-benzene</b>	Decree 010255 of December 9 <sup>th</sup> 1993 by the Ministry of Health: prohibits import, production, formulation, trade, handling, use and application.
<b>Mirex</b>	Decree 305 of February 16 <sup>th</sup> of 1998: prohibits import, production, formulation and sale. Decree 010255 of December 9 <sup>th</sup> 1993 by the Ministry of Health: prohibits import, production, formulation, trade, handling, use and application.
<b>Toxaphene</b>	
<b>Heptachlor</b>	Decree 305 of February 16 <sup>th</sup> of 1998: prohibits import, production, formulation and sale. Decree 010255 of December 9 <sup>th</sup> 1993 by the Ministry of Health: prohibits import, production, formulation, trade, handling, use and application

## XII. Costa Rica

Comments: Los reglamentos precitados están en proceso de modificación, no obstante las regulaciones mantendrán su estatus de prohibido o restringido según se indica. La Ley General de Salud permite através del otorgamiento de permisos regular los procesos de tal forma que no se produzcan Dioxinas y Furanos.

Data Source: Reglamentos, Leyes y Literatura citados anteriormente.

POPs Chemical	Banned	No Action	Comments
Aldrin	8/10/1988 Reglamento Técnico 18346 MAG-S-TSS		
Dieldrin	13/04/99, Decreto ejecutivo n° 27773 MAG-S-TSS		
DDT	8/10/88, Decreto ejecutivo n°18345 MAG-S-TSS		
Endrin	02/06/90, Decreto ejecutivo n° 19447 MAG-S-TSS		
Chlordane	24/01/91, Decreto ejecutivo n° 20184-S-MAG		
Hexachloro-benzene		X	
Mirex		X	
Toxaphene	8/10/88, Decreto ejecutivo 18346 MAG-S-TSS		
Heptachlor	24/01/91, Decreto ejecutivo 20184 MAG-S-TSS		
PCBs		X	
Dioxins and Furans			Regulado, Aritculo 252

## XIII. Croatia

POPs Chemical	Banned	Comments
Aldrin	“Law on poisons”, Official gazette, n°27/99	
Dieldrin	n°27/99	
DDT	n°27/99	
Endrin	n°27/99	
Chlordane	n°27/99	
Hexachloro-benzene	n°27/99	

<b>Mirex</b>	n°27/99	
<b>Toxaphene</b>	n°27/99	
<b>Heptachlor</b>	n°27/99	
<b>PCBs</b>	n°27/99	Existence of a number of public health and occupational, environmental standards (data source:questionnaires)
<b>Dioxins and Furans</b>	n°27/99	

#### XIV. Cyprus

Comments: The dangerous substances Laws of 1991 and 1997. Draft regulations under the above laws have been prepared and are under discussion. They cover the classification, packaging, labeling, import, manufacture, use, storage and transport of dangerous substances.

#### Czech Republic

Comments: No action for DDT, HCB, PCB, Dioxins and Furans. A National Action Plan to control the use and releases of POPs will be implemented in the new Legislative Measures.

#### Denmark

POPs Chemical	Banned	Restricted	Comments
<b>Aldrin</b>	01/01/1991 E.C. Directive 90/335 EEC		Danish Act on Chemical Substances and products (consolidated Act n°21, January 16, 1996) All import, sale, use for plant protection products containing aldrin have been prohibited. For other pesticides containing aldrin, a written authorization is required. No authorizations are given for such pesticides.
<b>Dieldrin</b>	01/01/1981 EC Directive 79/117 EEC.		Same as Aldrin
<b>DDT</b>	01/01/1986 EC Directive 85/298/EEC		Same as Aldrin For other pesticides containing DDT, all import, sale and use have been prohibited since October 1, 1984 according to Statutory Order n°459, September 5, 1984.
<b>Endrin</b>	01/01/1991 EC Directive 90/335 EEC		Same as Aldrin
<b>Chlordane</b>	01/01/1981 EC Directive 79/117 EEC		Same as Aldrin
<b>Hexachloro-benzene</b>	01/01/1981 E.C. Directive 79/117 EEC		Same as Aldrin
<b>Toxaphene</b>	01/10/1984 EC Directive 83/131 EEC		Same as Aldrin
<b>Heptachlor</b>	01/10/1984 EC Directive 83/131 EEC		Same as Aldrin
<b>PCBs</b>		09/10/1986	Statutory Order n°718 of 9 <sup>th</sup> October 1986 on restriction in use of PCBs and PCT. Import and marketing of PCB and PCT as well as articles containing PCB and PCT are banned.
<b>Dioxins and Furans</b>		X	Tolerable Daily Intake (TDI) 5pg I-TEQ/kgbw. Danish Guidelines.

#### XV. Republic of Djibouti

Comments: Certain chemicals have been banned but insufficient information is available to get the date of effectiveness. There is no data and no regulation on PCBs /Dioxins and Furans.

Data source: Health Ministry and Agricultural Ministry.

POPs Chemical	Banned
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<b>Aldrin</b>	X
<b>Dieldrin</b>	X
<b>DDT</b>	X
<b>Endrin</b>	X
<b>Chlordane</b>	X
<b>Hexachloro-benzene</b>	X

**XVI. Republica Dominicana**

Comments: data is coming from the questionnaires, and is available only for dioxins and furans.

POPs Chemical	Restricted	Comments
Dioxins and Furans	X	Pesticides Control Regulation and Licensing SKO N°56 of 1986 to control importation.

**XVII. Ethiopia:**

POPs Chemical	Restricted	No Action	Comments
Aldrin		X	
Dieldrin		X	
DDT	X		Restricted use for vector-borne diseases control such as Malaria.
Endrin		X	
Chlordane		X	
Hexachloro-benzene		X	
Mirex		X	
Toxaphene		X	
Heptachlor		X	
PCBs		X	
Dioxins and Furans		X	

**XVIII. Fiji Islands**

POPs Chemical	Banned	Restricted
<b>Aldrin</b>	3 <sup>rd</sup> Feb. 1995	
<b>Dieldrin</b>	3 <sup>rd</sup> Feb. 1995	
<b>DDT</b>	After Pesticide Act was enforced in 1971	
<b>Endrin</b>	After Pesticide Act was enforced in 1971	
<b>Chlordane</b>	After Pesticide Act was enforced in 1971	
<b>Hexachloro-benzene</b>	After Pesticide Act was enforced in 1971	
<b>Mirex</b>	Never registered	
<b>Toxaphene</b>	After Pesticide Act was enforced in 1971	
<b>Heptachlor</b>	Never registered in Fiji for any use. Importation is prohibited.	
<b>PCBs</b>	Products containing PCB or under PCB category not registered for Agricultural use. Importation prohibited.	Old electrical equipment (transformers may be containing PCB fluids

**XIX. Finland**

POPs Chemical	Banned	Comments
<b>Aldrin</b>	1972	Ban as plant protection product. Finland has implemented the relevant EU legislation although aldrin is not used in Finland. HELCOM Recommendation 13/13: Aldrin is on the list of “banned pesticides” which can not be approved for any use as pesticides by governmental action. PARCOM 7/13/1: all contracting parties will phase out the use of aldrin as soon as possible.
<b>Dieldrin</b>	1972	Same
<b>DDT</b>	1976	Same
<b>Endrin</b>	1969	Same
<b>Chlordane</b>	1969	Same
<b>Hexachloro-benzene</b>	1972	Ban on the placing on the market and the use of plant protection products containing HCB. All discharges to surface waters are prohibited.

<b>Mirex</b>		Mirex has never been used in Finland.
<b>Toxaphene</b>	1969	Ban on the placing on the market and the use of plant protection products. HELCOM recommendation 13/13: Toxaphene is on the list of "banned pesticides" which can not be approved for any use as pesticides by governmental action.
<b>Heptachlor</b>	X	Heptachlor has never been used in Finland.
<b>PCBs</b>		Maximum concentration of PCBs in fish and fish products 2mg/kg. Ministry of Trade and Industry, Decision 134/96. The occupational safety and health administration has used since 1983 for PCB a limit value 100µg/m <sup>2</sup> . If there is a possibility of exposure, the measures needed for worker's safety are taken into consideration in a safety plan that is drawn up before the work begins. Ministry of Labour Resolution on Carcinogens (838/1993): the use of PCBs shall comply with the government resolution on Occupational cancer Prevention (1182/92) which stipulates that workers' safety must be guaranteed by assessing the risk and taking necessary precautions. Transformers and condensers (capacity over 1kvar) had to be disposed before the end of 1994. The production, import, placing on the market and supply of the following PCB substitutes is prohibited: monomethyldibromodiphenylmethane, monomethyldichlorodiphenylmethane, monomethyltetrachlorodiphenylmethane, and of products containing these substitutes. EU Council Directive 91/339/EEC, EU Council Directive 96/59 EC. Recommendation for guideline values on PCB concentration in soil: limit value 0,5mg/kg, target value 0,05mg/kg. Council of state decision under preparation. Other agreements: Baltic Marine Environment Protection Commission (HELCOM): Annex I of Convention on the Protection of the Marine Environment of the Baltic sea area 1992. Recommendation 6/1 Recommendation 16/10 North Eastern Atlantic Marine Environment protection Commission (OSPARCOM): Recommendation 92/3.
<b>Dioxins and Furans</b>		Tolerable Daily Intake of 35mg/kgbw/week. Recommendation of the Nordic Council of Ministers. The workers who have been exposed to carcinogenic substances during more than 20 days are registered. Occupation limits for concentrations in repaired and dismantled technical material. Ministry of Labour. Resolution on carcinogens (838/93) Existence of limit values for cleaning up of contaminated soil. Maximum emission limits for municipal waste incineration plants. Gov.order Vnp 626/94.

**XX. France**

<b>POPs Chemical</b>	<b>Banned</b>
<b>Aldrin</b>	Usage agricole: 01/04/73, Protection du bois: 04/10/94, Tout usage: cf regl. CE 2455/92
<b>Dieldrin</b>	Usage agricole: 01/04/73, Protection du bois: 04/10/94, Tout usage: cf regl. CE 2455/92
<b>DDT</b>	Usage agricole: 21/08/91, Protection du bois: 04/10/92, Tout usage: cf regl. CE 2455/92
<b>Endrin</b>	Usage agricole: 21/08/91, Protection du bois: 04/10/92, Tout usage: cf regl. CE 2455/92
<b>Chlordane</b>	Usage agricole: 01/04/73, Protection du bois: 04/10/94, Tout usage: cf regl. CE 2455/92
<b>Hexachloro-benzene</b>	Peinture anti-salissures: 04/10/92, Tout usage: cf.Regl.CE 2455/92
<b>Mirex</b>	Jamais utilisé en France en tant que matière active de produits phytosanitaires
<b>Toxaphene</b>	Usage agricole: 03/07/90, Peinture anti-salissures: 04/10/92, Tout usage:cf.Regl. CE 2455/92
<b>Heptachlor</b>	Usage agricole:01/01/73, Traitement des bois, peintures anti-salissures: 04/10/92, Tout usage:: cf.Regl.CE2455/92
<b>PCBs</b>	Produits et préparations dont la teneur en PCB est>0.01%: interdits le 02/02/87., Produits et préparations dont la teneur en PCB est>0.05%: interdits le 04/10/92
<b>Dioxins and Furans</b>	Usines d'incinération des déchets industriels spéciaux: limite d'émission à 0.1ng TEQ/m3 depuis le 10/10/96 (Application immédiate pour les nouvelles installations) application en 2000 pour les installations existantes) Usines d'incinération nouvelles des ordures ménagères: limites d'émissions: 0.1ngTEQ/m3 depuis le 24/02/97

**XXI. The Gambia**

Comments: data is only available for DDT.

<b>POPs Chemical</b>	<b>Banned</b>	<b>Comments</b>
<b>DDT</b>	X	The use and importation of this POP have been prohibited in the Gambia and plans are underway to have the POP disposed by FAO.

**XXII. Germany**

Comments: Commission Directive 79/117/EWG (Bans on the placing on the Market and the use of Plant Protecting Agents Containing particular Active Substances): Prohibits the use and placing on the market of any plant protection agent containing one or more of the following persistent chlorinated organic substances: Aldrin, Dieldrin, DDT, Endrin, Chlordane, Hexachlorobenzene, Toxaphene, Heptachlor, and HCH containing <99% of the  $\gamma$ -isomer.

POPs Chemical	Banned	Comments
<b>Aldrin</b>	1979	See comments.
<b>Dieldrin</b>	1979	See comments
<b>DDT</b>	1979	See comments
<b>Endrin</b>	1979	See comments
<b>Chlordane</b>	1979	See comments
<b>Hexachloro-benzene</b>	1979	See comments
<b>Toxaphene</b>	1979	See comments
<b>Heptachlor</b>	1979	See comments
<b>PCBs</b>	X	Prohibition of Chemical Ordinance: Ordinance on Bans and Restrictions on the Placing on the Market of Dangerous Substances, Preparations and Products pursuant to the Chemical Act. Bans: Trichlorinated and higher chlorinated biphenyl's (PCB). (...) Preparations with a total of more than 50 mg/kg of PCB Products containing PCB as pure substances or preparations within the meaning of numbers may not be placed on the market.

**XXIII. Ghana:**

Comments: External assistance is needed e.g. technical assistance to do a comprehensive study. Need recommended alternatives

POPs Chemical	Banned	No Action
<b>Aldrin</b>	1985	
<b>Dieldrin</b>	1985	
<b>DDT</b>	1975	
<b>Endrin</b>	1975	

<b>Chlordane</b>	1975	
<b>Hexachloro-benzene</b>	1975	
<b>Mirex</b>		X
<b>Toxaphene</b>		X
<b>Heptachlor</b>	1975	
<b>PCBs</b>		X
<b>Dioxins and Furans</b>		X

#### XXIV. Greece

Comments: Ban of all the POP used as plant protection product in 1972. No data available.

#### XXV. Guinée

Data source: questionnaires. SCH/Direction de la Protection des Végétaux.

<b>POPs Chemical</b>	<b>Banned</b>	<b>Restricted</b>	<b>No Action</b>	<b>Comments</b>
<b>Aldrin</b>		X		Licence professionnelle requise pour l'importation et la mise sur le marché des pesticides. Arrêté 5714/MAEF/SGG/96
<b>Dieldrin</b>		X		Idem
<b>DDT</b>		X		Idem
<b>Endrin</b>		X		Idem
<b>Chlordane</b>		X		Idem
<b>Hexachloro-benzene</b>		X		Idem
<b>Mirex</b>		X		Idem
<b>Toxaphene</b>		X		Idem
<b>Heptachlor</b>		X		Idem
<b>PCBs</b>			X	Mesure spécifique inexistante concernant les PCB.
<b>Dioxins and Furans</b>			X	Idem

**XXVI. Hungary**

Comments: Implementation is the responsibility of the Ministry of Health, Ministry of Agriculture and Regional Development, Ministry of Economy (+other Ministries) NCPH and its Institutes.

Data Source: Banned and restricted chemicals in Hungary (PIC list).

<b>POPs Chemical</b>	<b>Banned</b>	<b>Restricted</b>
<b>Aldrin</b>	1966	
<b>Dieldrin</b>	1966	
<b>DDT</b>	1966	
<b>Endrin</b>	1968	
<b>Chlordane</b>	1968	
<b>Hexachloro-benzene</b>	1966	
<b>Mirex</b>	It has never been permitteded in Hungary	
<b>Toxaphene</b>	1992.	
<b>Heptachlor</b>	It has never been permitteded in Hungary	
<b>PCBs</b>		It can be used with the permit of NPHOS (1993) only.
<b>Dioxins and Furans</b>		Emission limit values and in case of waste incineration emission limit values also are established for these chemicals

**XXVII. Indonesia**

Comments: Most of these products still find their way into the country illegally.

Data Source: Nelson MANDA, Inspector PTS, Environmental Council of Zambia, PO BOX 35131, LUSAKA,  
 FAX:260 11 25 41 64 / Tel: 25 41 30/ 1/ Email: necz@zamnet.zm

POPs Chemical	Banned	No Action	Comments
<b>Aldrin</b>	1974		
<b>Dieldrin</b>	1992		
<b>DDT</b>	1974 for agriculture 1994 for malaria control		
<b>Endrin</b>	1974		
<b>Chlordane</b>	1992		
<b>Hexachloro-benzene</b>			Never registered in Indonesia.
<b>Mirex</b>			Never registered in Indonesia.
<b>Toxaphene</b>	1980		
<b>Heptachlor</b>	1974		
<b>PCBs</b>	1990's		
<b>Dioxins and Furans</b>		No specific action	

**XXVIII. Ireland**

POPs Chemical	Banned	No Action	Comments
<b>Aldrin</b>	1981		Banned as a plant protection product
<b>Dieldrin</b>	1981		Banned as a plant protection product
<b>DDT</b>	1985		Banned as a plant protection product
<b>Endrin</b>	1981		Banned as a plant protection product
<b>Chlordane</b>	1992		Banned as a pesticide
<b>Hexachloro-benzene</b>	1981		

<b>Mirex</b>		X	Mirex has never been authorized for use in Ireland as a pesticide and therefore, no stockpile exist
<b>Toxaphene</b>		X	Toxaphene is never used as a pesticide in Ireland. No stockpiles exist.
<b>Heptachlor</b>	1981		
<b>PCBs</b>	1994		Waste management (hazardous waste): regulations, si.163 of 1998, require: Management and decontamination of PCBs and equipment containing PCBs. Reporting of quantities to the EPA. Certain prohibition on use and marketing of PCBs.
<b>Dioxins and Furans</b>		X	Control of incineration of hazardous waste, SI. 64 of 1998 (Regulations giving effect to Council Direction 94/67/EC on incineration of Hazardous waste). Provision of directives on Prevention of pollution from municipal incinerators (89/369/EEC), not yet applicable.

#### XXIX. Italy

Comments: Information is not available for all the POPs.

POPs Chemical	Banned	Comments
<b>Aldrin</b>	X	Use as plant protection is banned. For other uses, written authorization is required. Ministry of Health: Application of regulation 1455/91 (CEE)
<b>Dieldrin</b>	X	Same as Aldrin
<b>DDT</b>	X	Same as Aldrin
<b>Chlordane</b>	X	Same as Aldrin
<b>Hexachloro-benzene</b>	X	Authorization of use as pesticide revoked. Decision of "Consiglio Superiore di Sanita" of 17/03/1978.
<b>Heptachlor</b>	X	Same as Aldrin
<b>PCBs</b>	X	Same as Aldrin

**XXX. Japan**

Data Source: Chemical Substances Control Law, Agricultural Chemicals regulation Law, Air Pollution Control Law, Water Pollution Control Law, Waste Management and Public Cleansing Law.

<b>POPs Chemical</b>	<b>Restricted</b>	<b>Comments</b>
<b>Aldrin</b>	Permitted in certain cases of research and testing or specified by chemicals Substances Control Law. But there is no permitted use specified by the law; therefore, it is practically banned (came in force in 1981). The sale for agricultural use has been restricted in 1971	
<b>Dieldrin</b>	Same as Aldrin	
<b>DDT</b>	Same as Aldrin	
<b>Endrin</b>	Same as Aldrin	
<b>Chlordane</b>	Same as Aldrin	
<b>Hexachloro-benzene</b>	Same as Aldrin	
<b>Mirex</b>	X	No production in Japan. No use as an agricultural pesticide in Japan.
<b>Toxaphene</b>	X	No production in Japan. No use as an agricultural pesticide in Japan.
<b>Heptachlor</b>	Permitted in certain cases of research and testing or specified by Chemicals Substances Control Law. But there is no permitted use specified by the law, therefore it is practically banned (came in force in 1981) The sale for agricultural use has been restricted in 1971	
<b>PCBs</b>	Permitted and still in use only in closed system which is specified by the law	
<b>Dioxins and Furans</b>	Regulation by Air Control Law, waste Management and Public Cleansing Law	

**XXXI. Kazakhstan**

Comments: Data is not available for all the POPs.

Data source: Ministry of environment and Natural Resources, National Environmental Centre of Kazakhstan.

POPs Chemical	Restricted	Comments
<b>Aldrin</b>	1995	Instruction on limitation and control of use, trade and storage of pesticides and mineral substances.
<b>Dieldrin</b>	1995	Instruction on limitation and control of use, trade and storage of pesticides and mineral substances.
<b>DDT</b>	1995	Instruction on limitation and control of use, trade and storage of pesticides and mineral substances.

**XXXII. Republic of Korea**

POPs Chemical	Banned	Restricted	Comments
<b>Aldrin</b>	1969	1991	(1) Banned as insecticide by the Agricultural Chemical Control Act. (2) Restriction as industrial additives by the Toxic Chemical Control Act
<b>Dieldrin</b>	1970	1991	Same as above
<b>DDT</b>	1969		Banned as insecticide by the Agricultural Chemical Control Act.
<b>Endrin</b>	1969	1991	(1) Banned as insecticide by the Agricultural Control Act. (2) Restriction as industrial additives by the Toxic Chemical Control Act
<b>Chlordane</b>	1969	1991	Same as above
<b>Hexachloro-benzene</b>			Although there is no regulation that restricts or bans the use of Hexachlorobenzene, this chemical has never been manufactured, imported or used in Korea.
<b>Mirex</b>			Although there is no regulation that restricts the use of Mirex, this chemical has never been manufactured, imported or used in Korea.
<b>Toxaphene</b>	1969		Banned as insecticide by the Agricultural Chemical Control Act.
<b>Heptachlor</b>	1969	1991	(1) Banned as insecticide by the Agricultural Chemical Control Act. (2) Restriction as industrial additives by the Toxic Chemical Control Act

<b>PCBs</b>	1996		Restriction as electricity insulating oil and various additives by the Toxic Chemical Control Act
<b>Dioxins and Furans</b>		1997	The Waste Management Act has restricted emission of dioxins and furans from daily waste incinerators since 1997 by setting up a concentration limit of the discharged gases.

#### XXXIII. Kuwait

Comments: Most of PCB transformers were exported to other countries according to Basel Convention

<b>POPs Chemical</b>	<b>Banned</b>
<b>Aldrin</b>	28/03/1995
<b>Dieldrin</b>	28/03/1995
<b>DDT</b>	28/03/1995
<b>Endrin</b>	28/03/1995
<b>Chlordane</b>	28/03/1995
<b>Hexachloro-benzene</b>	28/03/1995
<b>Mirex</b>	28/03/1995
<b>Toxaphene</b>	28/03/1995
<b>Heptachlor</b>	28/03/1995

#### XXXIV. Latvia

Data Source: Regulations of Cabinet of Ministries “on limitation of use and market of chemical substances and chemical products”.

Register of Plant Protection Products.

<b>POPs Chemical</b>	<b>Banned</b>	<b>Restricted</b>	<b>No Action</b>	<b>Comments</b>
<b>Aldrin</b>	02.02.1972			
<b>Dieldrin</b>	X			Prohibited, does not include in official register of permitted substances, collection does not exist.

<b>DDT</b>	1966			Collected substances are placed in special storage till destruction.
<b>Endrin</b>	X			Prohibited, does not include in official register of permitted substances, collection does not exist
<b>Chlordane</b>	X			Prohibited, does not include in official register of permitted substances, collection does not exist
<b>Hexachloro-benzene</b>		Since 1999. Regulations of the Cabinet of Ministries: "on limitation of use and market of chemical substances and chemical products		
<b>Mirex</b>	X			Prohibited, does not include in official register of permitted substances, collection does not exist
<b>Toxaphene</b>	X			Prohibited, does not include in official register of permitted substances, collection does not exist
<b>Heptachlor</b>	21.03.1986			
<b>PCBs</b>		Permitted in electric equipment till 2001		
<b>Dioxins and Furans</b>			X	

#### XXXV. Republic of Lebanon

Data Source: Ministry of Environment; Ministry of Agriculture; Customs Office.

POPs Chemical	Banned	No Action	Comments
<b>Aldrin</b>	27/7/92 by the decision n°108/1 issued by the Ministry of Agriculture		Ban for production and import
<b>Dieldrin</b>	Same		Ban for production and import
<b>DDT</b>	Same		Ban for production and import
<b>Endrin</b>	Same		Ban for production and import
<b>Chlordane</b>	Same		Ban for production and import

<b>Hexachloro-benzene</b>	Same		No more imported or produced. No stock is available. Source of information: Committee of Agricultural Medicines
<b>Mirex</b>		X	
<b>Toxaphene</b>		X	
<b>Heptachlor</b>	Same as above		Ban for production and import
<b>PCBs</b>		X	No import or production is happening in the country.
<b>Dioxins and Furans</b>		X	

#### XXXVI. Lithuania

Comments: Data from the questionnaires concerning the regulatory actions taken to control the use of the POPs: HN48-1994: MAC in drinking water, HN35-1993: MAC in ambient air, HN23-1993: MAC in the air at work area., HN 60-1996: MAC in soil, HN 54-1995: MAC in raw materials and foodstuffs.

POPs Chemical	Banned	Restricted	Comments
<b>Aldrin</b>	1997		Hygiene standards HN 63-1996. Banned and restricted pesticides 1997 04 01
<b>Dieldrin</b>	1997		Hygiene standards HN 63-1996. Banned and restricted pesticides 1997 04 01
<b>DDT</b>	1997		Hygiene standards HN 63-1996. Banned and restricted pesticides 1997 04 01
<b>Endrin</b>	1997		Hygiene standards HN 63-1996. Banned and restricted pesticides 1997 04 01
<b>Chlordane</b>	1997		Hygiene standards HN 63-1996. Banned and restricted pesticides 1997 04 01
<b>Hexachloro-benzene</b>	1997		Hygiene standards HN 63-1996. Banned and restricted pesticides 1997 04 01
<b>Mirex</b>	1997		Hygiene standards HN 63-1996. Banned and restricted pesticides 1997 04 01
<b>Toxaphene</b>	1997		Hygiene standards HN 63-1996. Banned and restricted pesticides 1997 04 01
<b>Heptachlor</b>	1997		Hygiene standards HN 63-1996. Banned and restricted pesticides 1997 04 01

PCBs	X	Hygienic standards HN 36-1999. Banned and restricted substances 1999 09 01	HN 63-1996 Banned and restricted pesticides HN 36-1999 Banned and restricted substances
Dioxins and Furans		Hygienic standards HN 35 1998. Maximum permissible concentrations of chemicals polluting air of residential areas.	

#### XXXVII. Luxembourg

Comments: The 10 POP chemicals are not in use anymore in the country.

#### XXXVIII. Macedonia

Data source: The SFRY Official Journal No 43/82

POPs Chemical	Banned
Aldrin	X, Article 4 of the Law on traffic in poisonous substances
Dieldrin	X, Article 4 of the Law on traffic in poisonous substances
Chlordane	X, Article 4 of the Law on traffic in poisonous substances
Heptachlor	X, Article 4 of the Law on traffic in poisonous substances

#### XXXIX. Madagascar

Comments: There are a number of decrees or laws to ban any unusual chemicals and imported anyhow in the country, but field action has not taken place about pesticides used to fight agricultural pests (*Locusta migratoria*)

Data source: Ministry of environment, Agriculture, Health Department. Information is not available for all the POPs.

POPs Chemical	Banned	Comments
Dieldrin	Nov 30, 1993.	Decree 93/625. It is a legal instrument issued by the Ministry of Agriculture
DDT	Nov 30, 1993	Decree 93/625. It is a legal instrument issued by the Ministry of Agriculture
Endrin	Nov 30, 1993	Decree 93/625. It is a legal instrument issued by the Ministry of Agriculture
Chlordane	Nov 30, 1993	Decree 93/625. It is a legal instrument issued by the Ministry of Agriculture
PCBs	Nov 30, 1993	Decree 93/625. It is a legal instrument issued by the Ministry of Agriculture

#### XXXX. Mauritius

Data Source: Verbal: Pesticide Control Board, Ministry of Health.

POPs Chemical	Banned	Restricted
Aldrin	Early 80's	
Dieldrin	Early 80's.	
DDT		For Malaria Control
Endrin	Early 80's.	
Chlordane	Early 80's	
Hexachloro-benzene	Early 80's	
Mirex	Early 80's	
Toxaphene	Early 80's	
Heptachlor	Early 80's	
PCBs	X	

#### XXXXI. Mexico

POPs Chemical	Banned	Restricted	Comments
Aldrin	X		Diario Oficial de la federación 31 de enero de 1991. Catálogo Oficial de Plaguicidas, Comisión Intersecretarial para el Control des Proceso y uso de Plaguicidas, Fertilizantes y Sustancias Tóxicas /CICOPLAFEST).
Dieldrin	X		Igual
DDT		X	Este producto sólo se usa en campañas sanitarias
Endrin	X		Diario Oficial de la federación 31 de enero de 1991. Catálogo oficial de Plaguicidas, México. Comisión Intersecretarial para el Control del Proceso y Uso de Plaguicidas, fertilizantes, y Sustancias Tóxicas

			(CICOPLAFEST).
<b>Chlordane</b>		X	Este producto sólo puede ser adquirido en las comercializadoras mediante la presentación de una recomendación escrita de un técnico que haya sido autorizado por el Gobierno Federal.
<b>Hexachloro-benzene</b>	X		Están prohibidos su comercialización y uso en Mexico. Programa de las Naciones Unidas para el Medio Ambiente, ONU. Programa conjunto FAO/PNUMA 1991.

<b>Mirex</b>	X		Diario Oficial de la federación 31 de enero de 1991. Catálogo oficial de Plaguicidas, México. Comisión Intersecretarial para el Control del Proceso y Uso de Plaguicidas, fertilizantes, y Sustancias Tóxicas (CICOPLAFEST).
<b>Toxaphene</b>			Para este producto no se tiene información
<b>Heptachlor</b>	1995		Norms of Public Health: NOM-02-SSA1-1995; NOM-028-SSA1-1993; NOM-029-SSA1-1993; NOM-030-SSA1-1993; NOM-031-SSA1-1993; NOM-032-SSA1-1993; NOM-041-SSA1-1993; NOM-0127-SSA1-1994. Occupational norms: NOM-010-STPS-1994
<b>PCBs</b>		X	Este producto esta controlado en México por la secretaría del Medio Ambiente Recursos Naturales y Pesca (SEMARNAP). Acuerdo que establece, la clasificación y codificación de mercancías cuya importación y exportación está sujeta a regulación por parte de SEMARNAP: D.O.F. 27 de diciembre de 1995. Reglamento de residuos peligrosos de la Ley general del Equilibrio Ecológico y Protección al Ambiente. Primer listado de Actividades Altamente Riesgosas. Diario Oficial de la Federación 28 de Marzo de 1990. Segundo listado de Actividades Altamente riesgosas. Diario Oficial de la Federación 4 de Marzo de 1992.

#### XXXXII. Federal States of Micronesia

POPs Chemical	Comments
<b>Aldrin</b>	Chemicals have not been inventoried. Limited quantities may be present in the FSM.
<b>Dieldrin</b>	Chemicals have not been inventoried. Limited quantities may be present in the FSM.
<b>DDT</b>	Small quantities are known to be stored at the Agriculture Station in each FSM State. Quantities are also known to have been buried elsewhere in the FSM.
<b>Endrin</b>	Chemicals have not been inventoried. Limited quantities may be present in the FSM.
<b>Chlordane</b>	Small quantities are known to be stored in the FSM. In Chuuk State quantities of chlordane have been stored in a shipping container for off island disposal that has not yet eventuated due to a shortage of funding and expertise.
<b>Hexachloro-benzene</b>	Chemicals have not been inventoried. Limited quantities may be present in the FSM.
<b>Mirex</b>	Chemicals have not been inventoried. Limited quantities may be present in the FSM.
<b>Toxaphene</b>	Chemicals have not been inventoried. Limited quantities may be present in the FSM.

<b>Heptachlor</b>	Chemicals have not been inventoried. Limited quantities may be present in the FSM.
<b>PCBs</b>	Sampling of old transformers is currently underway. These transformers have been tagged for future action.
<b>Dioxins and Furans</b>	Chemicals have not been inventoried. Limited quantities may be present in the FSM.

#### XXXXIII. Mongolia

POPs Chemical	Banned
<b>Aldrin</b>	14 May 1997
<b>Dieldrin</b>	14 May 1997
<b>DDT</b>	14 May 1997
<b>Endrin</b>	14 May 1997
<b>Chlordane</b>	14 May 1997
<b>Toxaphene</b>	14 May 1997
<b>Heptachlor</b>	14 May 1997

#### XXXXIV. Nepal

Comments: restricted and banned pesticides are sold on Nepalese market. All of them are suspected to have been illegally introduced through long porous border with India.

Data source: NBSM's door to door survey (case study report on Pops use in Nepal).

#### XXXXV. The Netherlands

POPs Chemical	Banned	Comments
<b>Aldrin</b>	X as a plant protection product	Directive 79/117/EEC of 21/112/78 (O.J.L.33/36 of 8/2/79) as amended by Directives 83/131/EEC of 14/3/83 (O.J.L.91/35 of 9/4/83), 85/298/EEC of 22/5/85 (O.J.L.154/48 of 13/6/85), 87/477/EEC of 9/9/87 (O.J.L.273/40 of 26/9/87) and 90/335/EEC of 7/6/90 (O.J.L.162/37 of 28/6/90)
<b>Dieldrin</b>	Same	Directive 79/117/EEC of 21/112/78 (O.J.L.33/36 of 8/2/79)
<b>DDT</b>	Same	Directive 79/117/EEC of 21/112/78 (O.J.L.33/36 of 8/2/79) as amended by Directives 83/131/EEC of 14/3/83 (O.J.L.91/35 of 9/4/83), 85/298/EEC of 22/5/85 (O.J.L.154/48 of 13/6/85),

<b>Endrin</b>	Same	Directive 79/117/EEC of 21/112/78 (O.J.L.33/36 of 8/2/79) as amended by Directives 85/298/EEC of 22/5/85 (O.J.L.154/48 of 13/6/85), and 90/335/EEC of 7/6/90 (O.J.L.162/37 of 28.6.90)
<b>Chlordane</b>	Same	Directive 79/117/EEC of 21/112/78 (O.J.L.33/36 of 8/2/79)
<b>Hexachloro-benzene</b>	Same	Directive 79/117/EEC of 21/112/78 (O.J.L.33/36 of 8/2/79)
<b>Toxaphene</b>	Same	Directive 79/117/EEC of 21/112/78 (O.J.L.33/36 of 8/2/79) as amended by Directives 83/131/EEC of 14/3/83 (O.J.L.91/35 of 9/4/83),
<b>Heptachlor</b>	Same	Directive 79/117/EEC of 21/112/78 (O.J.L.33/36 of 8/2/79) as amended by Directives 83/131/EEC of 14/3/83 (O.J.L.91/35 of 9/4/83),

#### XXXXVI. New Zealand

Comments: General phase-out policy for organochlorine insecticides established in April 1970 (Agricultural Chemicals Board Minutes, April 1970).

<b>POPs Chemical</b>	<b>Banned</b>	<b>Restricted</b>	<b>Comments</b>
<b>Aldrin</b>	1985		Last product containing aldrin was voluntarily withdrawn in 1985 (Pesticides Board Minutes, September 1985);
<b>Dieldrin</b>	1988		Last products for dieldrin, DDT, and mirex were deregistered in 1988 (Pesticides Board Minutes, September 1988);
<b>DDT</b>	1988		Last products for dieldrin, DDT, and mirex were deregistered in 1988 (Pesticides Board Minutes, September 1988);
<b>Endrin</b>	1976		Last product containing endrin was voluntarily withdrawn in 1976 (Agricultural Chemicals Board Minutes, October 1976);
<b>Chlordane</b>	1992		Registration of chlordane was declined 1992 (Pesticides Board Minutes, May 1992).
<b>Hexachloro-benzene</b>	1972		Last product containing HCB was deregistered in 1972 (Agricultural Chemicals Board Minutes, October 1972);
<b>Mirex</b>	1988		Last products for dieldrin, DDT, and mirex were deregistered in 1988 (Pesticides Board Minutes, September 1988);
<b>Toxaphene</b>	1979		Toxaphene - Never registered, imported or used in New Zealand. Registration is required under the Pesticides Act 1979 before any pesticide can be sold in New Zealand.
<b>Heptachlor</b>	1971		Last product containing heptachlor (for research purposes only) was voluntarily withdrawn in 1971 (Agricultural Chemicals Board Minutes, October 1972);

<b>PCBs</b>	1-1-1994		Under the Toxic Substances Regulations
<b>Dioxins and Furans</b>		X	Point source industrial emissions are regulated by decisions at the Regional Government level. National standards are under preparation

#### XXXXVII. Nicaragua

POPs Chemical	Restricted	Comments
<b>Aldrin</b>	X	restricciones legales concretas para los aldrines existen desde 1993, además se respaldan con la recién aprobada Ley Básica de Plaguicidas y la Ley General del Medio Ambiente para la contaminación por sustancias tóxicas a la salud y al ambiente. Ley Básica de plaguicidas, Ley General del Medio Ambiente, Resolución Ministerial del Ministerio de Agricultura y ganadería y Plan de acción ambiental para Nicaragua: Plaguicidas, Ambiente y Desarrollo (VAUGHAN, 1993).
<b>Dieldrin</b>	X	Igual
<b>DDT</b>		No datos
<b>Endrin</b>	X	Igual que los aldrinas.
<b>Chlordane</b>		No datos
<b>Hexachloro-benzene</b>		No datos
<b>Mirex</b>		Nicaragua, en 1993 restringió y prohibió el uso de 15 plaguicidas de uso agrícola, a través de una resolución Ministerial del Ministerio de Agricultura a Ganadería. La mayoría son productos de la familia de los organoclorados y otros, pero el Mirex no fue incluido en la restricción, asimismo se ha interrumpido su importación al país. Los 15 kg/ha que se reflejan corresponden al consumo nacional promedio anual respecto al área agrícola en 1987 y a la importación general de insecticidas agriquímicos.

#### XXXXVIII. Panamá

POPs Chemical	Banned	Restricted
<b>Aldrin</b>	Desde el 18 de septiembre de 1997, oficialmente para los COPs plaguicidas o pesticidas d uso en la agricultura. Resuelto ALP n°074 ADM de 18 de septiembre de 1997 publicada en la Gaceta Oficial 23,388 de 30 de septiembre de 1997 (prohibe los plaguicidas COPs y otros en la agricultura). Ley N°36 de 17 de Mayo de 1996, por la cual se establecen los controles para evitar la contaminación ocasionada por combustibles y plomo publicada en la Gaceta Oficial N°23,040 de 21 de Mayo de 1996, que le confiere al Instituto Especializado de Análisis el monitoreo en agua, suelo y aire de hidrocarburos clorinados y otros contaminantes.	análisis de residuos.
<b>Dieldrin</b>	Same as above	
<b>DDT</b>	Same as above	
<b>Endrin</b>	Same as above	
<b>Chlordane</b>	Same as above	
<b>Hexachloro-benzene</b>	Same as above	
<b>Mirex</b>	Same as above	
<b>Toxaphene</b>	Same as above	
<b>Heptachlor</b>	Same as above	

<b>PCBs</b>	Desde el 18 de septiembre de 1997, oficialmente para los COPs plaguicidas o pesticidas d uso en la agricultura. Resuelto ALP n°074 ADM de 18 de septiembre de 1997 publicada en la Gaceta Oficial 23,388 de 30 de septiembre de 1997 (prohibe los plaguicidaas COPs y otros en la agricultura). Ley N°36 de 17 de Mayo de 1996, por la cual se establecen los controles para evitar la contaminación ocasionada por combustibles y plomo publicada en la Gaceta Oficial N°23,040 de 21 de Mayo de 1996, que le confiere al Instituto Especializado de Análisis el monitoreo en agua, suelo y aire de hidocarburos clorinados y otros contaminantes. Norma N°43-22 de 13 de marzo de 1990 del Antiguo IRHE (hoy ETESA)	análisis de residuos y en cantidad de PCBs con límites permisibles. Las Normas de Compras de los transformadores exigen < de 50 ppm de PCBs o libres de PCBs, pero existen numerosos transformadores sin etiqueta cuyo contenido de PCBs debe ser identificados y gran cantidad, por el orden de
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#### XXXXIX. Peru

Comments: The Ministry of Health is going to establish some PCBs regulations.

Data source: SENASA- Ministry of Agriculture. June 1999.

POPs Chemical	Banned	No Action	Comments
<b>Aldrin</b>	September 11, 1999		Banned through ministerial resolution n°037-91-AG
<b>Dieldrin</b>	September 11, 1999		Banned through ministerial resolution n°037-91-AG
<b>DDT</b>	September 11, 1999	X	Banned through ministerial resolution n°037-91-AG. But the Ministry of Health did not cancel yet the use of the POP for public health

<b>Endrin</b>	September 11, 1999		Banned through ministerial resolution n°037-91-AG
<b>Chlordane</b>	March 26, 1999		Banned through R.J. N°036-99-AG-SENASA.
<b>Hexachloro-benzene</b>	March 26, 1999		Banned through R.J. N°036-99-AG-SENASA.
<b>Mirex</b>		X	
<b>Toxaphene</b>	March 26, 1999		Banned through R.J. N°036-99-AG-SENASA.
<b>Heptachlor</b>	March 26, 1999		Banned through R.J: N°036-99-AG-SENASA.

#### L. Philippines

Data source: Fertilizers and Pesticide Authority (FPA)-DA- Environmental Management Bureau.

<b>POPs Chemical</b>	<b>Banned</b>	<b>Restricted</b>	<b>Comments</b>
<b>Aldrin</b>	1989		
<b>Dieldrin</b>	1989		
<b>DDT</b>		All uses cancelled in 1992 except for malaria control purposes by the Department of Health	As per Dept. of Health Circular n°1, effective 1992. So far, the following are the known substitute for DDT: Vectron, Sulfac and Icon 10 for Malaria control
<b>Endrin</b>	1989		
<b>Chlordane</b>		Its use is limited to the pre-construction treatment of the white ants.	
<b>Hexachloro-benzene</b>		X	This chemical is listed in the Priority Chemical List (PCL) which would require any importers, users too submit a hazardous waste registration and further fill up Biennial Report Form for monitoring purposes.
<b>Mirex</b>		X	The provision is stated at DAO 98-58 on the policy of the government and requirements for its usage. Further, said chemical is included in the Philippines Priority Chemical List.

<b>Toxaphene</b>	1989		
<b>Heptachlor</b>	1989		
<b>PCBs</b>		X	PCB is in the Priority Chemical List as per DAO 98-58 and is candidate for insurance of Chemical Control Order (CCO) which will be strictly regulated and ultimately banned its use and for strict requirements for disposal.
<b>Dioxins and Furans</b>		X	Although it is not yet listed in the PCL, the EMB is currently setting up standards for these chemicals (end products). The probable banning of incinerator in the country will be tackled during the deliveration of the Clean Air Act.

#### LI. Romania

<b>POPs Chemical</b>	<b>Banned</b>	<b>Restricted</b>	<b>No Action</b>	<b>Comments</b>
<b>Aldrin</b>	1972			Banned by National Authority for Pesticide Registration.
<b>Dieldrin</b>	1972			Banned by National Authority for Pesticide Registration.
<b>DDT</b>	1985			Banned by the Romanian Agricultural Food Ministry
<b>Endrin</b>	1972			Banned by National Authority for Pesticide Registration.
<b>Chlordane</b>	1972			Banned by National Authority for Pesticide Registration.
<b>Hexachloro-benzene</b>		X		The products Hexadin/Tirahexa/Tirahexalin (Romanian formulation for HCB proposed for wheat seed treatment) were used only on limited area during a Research- development activity aiming to find a specific use of a by-product of Romanian chemical industry. The use of these products was forbidden during the Development stage. Source: Romanian Agriculture and Food Ministry.

<b>Mirex</b>				Never registered in Romania
<b>Toxaphene</b>	1972			Banned by National Authority for Pesticide Registration.
<b>Heptachlor</b>	1990			Banned by the Romanian Food and Agriculture Ministry.
<b>PCBs</b>			X	Inquires are made annually on the basis of "The European Catalogue"

#### LII. Rwanda

Comments: No action for the moment, but a National Environmental Strategy is in the process of completion. The control and use of such POPs will be interrupted. People (stakeholders) will be sensitized against the use of the POPs, and the importation agencies, customs, importers, dealers in this POP will be controlled by laws and regulations in place. Alternative chemicals/ methods will be adopted against the use of this POP.

#### LIII. St. Kitts and Nevis

POPs Chemical	Banned	Comments
<b>Aldrin</b>	X	Not licensed for importation
<b>Dieldrin</b>	X	Not licensed for importation
<b>DDT</b>	X	Not licensed for importation
<b>Endrin</b>	X	Not licensed for importation
<b>Chlordane</b>	X	Not licensed for importation
<b>Hexachloro-benzene</b>	X	Not licensed for importation
<b>Mirex</b>	X	Not licensed for importation
<b>Toxaphene</b>	X	Not licensed for importation
<b>Heptachlor</b>	X	Not licensed for importation
<b>PCBs</b>		Not licensed for importation

**LIV. Slovakia**

POPs Chemical	Banned in	No Action	Comments
<b>Aldrin</b>	1-3-1999		Ban of import for agricultural use. Regulation N°33/1999
<b>Dieldrin</b>	1-3-1999		Ban of import for agricultural use. Regulation N°33/1999.
<b>DDT</b>	1-3-1999		Ban of import for agricultural use. Regulation N°33/1999.
<b>Endrin</b>	1-3-1999		Ban of import for agricultural use. Regulation N°33/1999.
<b>Chlordane</b>	1-3-1999		Ban of import for agricultural use. Regulation N°33/1999.
<b>Hexachloro-benzene</b>	1-3-1999		Ban of import for agricultural use. Regulation N°33/1999.
<b>Mirex</b>	1-3-1999		Ban of import for agricultural use. Regulation N°33/1999.
<b>Toxaphene</b>	1-3-1999		Ban of import for agricultural use. Regulation N°33/1999.
<b>Heptachlor</b>	1-3-1999		Ban of import for agricultural use. Regulation N°33/1999.
<b>PCBs</b>		X	Regulation for drinking water (STN757111); regulation on occupational air (AHEM13/87); regulation for irrigation water (CSN757143); guidance document for ambient air (UPKM1988), soil (MP SR 26, 1/1994), meat, milk and products (MZ SR 44, 9-13/1996)
<b>Dioxins and Furans</b>		X	

**L.V. Slovenia**

Comments: Data is available only for PCBs and Dioxins & Furans.

POPs Chemical	Restricted	Comments
<b>PCBs</b>	X	Regulations on the safety of drinking water (Official gazette of the Republic of Slovenia, n°46-97). Act on Poisons (Official Gazette of the Socialistic Federal republic of Yugoslavia, n°13/91) Decree on the input of toxic substances and plant nutrients into the soil (Official gazette of the Republic of Slovenia, n°68/96)
<b>Dioxins and Furans</b>	X	We adhere to European Norms. Regulation on the types of activity for which an Environmental Impact Assessment is Mandatory (Official Gazette of the Republic of Slovenia, n°66/96)

**LVI. Sweden**

POPs Chemical	Restricted	Comments
<b>PCBs</b>	X	In the European Community imports from and exports to third countries (outside the European Community) of PCB is regulated by the Council Regulation (EEC) n°2455/92 of July 1992 concerning the export and import of certain dangerous chemicals. The regulation does not apply to substances or preparations imported or exported for the purpose of analysis or scientific research and development (see above regulation Article 1 bis 3). For your information the European database EDE XIM on notification of export and import of certain dangerous chemicals is available at DG XI E2 BU-5.
<b>Dioxins and Furans</b>		In the 1970's, several technical products containing PCDD/PCDF as contaminants-PCB, Pentachlorophenol and 2,4,5-T- were banned for use. Legislation from 1987; municipal waste incinerator smoke stack gases may not contain more than 0,1ng of dioxins and other substances to waters outside bleaching process and instead to use other, less environmentally damaging methods.

**LVII. Switzerland**

Data Source: Ordinance relating to Environmentally Hazardous substances (Ordinance on substances; Osubst) of 9 June 1996, RS 814 013

POPs Chemical	Banned	Restricted	Comments
<b>Aldrin</b>	1986		Manufacture supply, import and use are prohibited since 1 September 1986. Exemptions: use for research purposes; import for disposal
<b>Dieldrin</b>	1986		Manufacture supply, import and use are prohibited since 1 September 1986. Exemptions: use for research purposes; import for disposal
<b>DDT</b>	1996		Manufacture supply and use are prohibited since 1 September 1986, import since 1 January 1996. Exemptions: use for research purposes; import for disposal
<b>Endrin</b>	1986		Manufacture supply, import and use are prohibited since 1 September 1986. Exemptions: use for research purposes; import for disposal
<b>Chlordane</b>	1986		Manufacture supply, import and use are prohibited since 1 September 1986. Exemptions: use for research purposes; import for disposal
<b>Hexachloro-benzene</b>	1986		Manufacture supply, import and use are prohibited since 1 September 1986. Exemptions: use for research purposes; import for disposal
<b>Mirex</b>		X	Not licensed as plant protection product and as biocide
<b>Toxaphene</b>	1986		Manufacture supply, import and use are prohibited since 1 September 1986. Exemptions: use for research purposes; import for disposal
<b>Heptachlor</b>	1986		Manufacture supply, import and use are prohibited since 1 September 1986. Exemptions: use for research purposes; import for disposal
<b>PCBs</b>		X	PCBs containing capacitors exceeding a total weight of 1 kg and PCB containing transformers had to be taken out of operation and disposed of by 31 August 1998

**LVIII. Syria**

<b>POPs Chemical</b>	<b>Banned</b>	<b>No Action</b>	<b>Comments</b>
<b>Aldrin</b>	1990		
<b>Dieldrin</b>	1990		
<b>DDT</b>	1990		
<b>Endrin</b>	1990		
<b>Chlordane</b>	1990		
<b>Hexachloro-benzene</b>	1990		
<b>Mirex</b>	X		This pesticide is not used in Syria
<b>Toxaphene</b>	X		This pesticide is not used in Syria
<b>Heptachlor</b>	1990		

**LIX. Thailand**

<b>POPs Chemical</b>	<b>Banned</b>	<b>Restricted</b>
<b>Aldrin</b>	September 1998	
<b>Dieldrin</b>		May 1998
<b>DDT</b>	March 1995 (agriculture use) * Public health use for Malaria control is still permitted	March 1995 (agriculture use) * Public health use for Malaria control is still permitted
<b>Endrin</b>	July 1981	

<b>Chlordane</b>	May 1995 (Public Health use)	
<b>Hexachloro-benzene</b>	March 1980	
<b>Mirex</b>	May 1995	
<b>Toxaphene</b>	March 1983	
<b>PCBs</b>		Importation is prohibited. Only exportation for waste disposal and management is permitted

**LX. Togo**

<b>POPs Chemical</b>	<b>Banned</b>	<b>Restricted</b>	<b>No Action</b>	<b>Comments</b>
<b>Aldrin</b>	X			
<b>Dieldrin</b>	X			
<b>DDT</b>	X			
<b>Endrin</b>	X			
<b>Chlordane</b>	X			
<b>Hexachloro-benzene</b>	X			
<b>Mirex</b>			X	
<b>Toxaphene</b>			X	
<b>Heptachlor</b>	1990			
<b>PCBs</b>		X	X	The Togolese Power Company does not use PCBs anymore in transformers. But a single PCB using transformer does exist in the Phone Company Service
<b>Dioxins and Furans</b>			X	

**LXI. Ukraine**

<b>POPs Chemical</b>	<b>Banned</b>	<b>Restricted</b>	<b>No Action</b>
<b>Aldrin</b>	List of pesticides prohibited for use in agriculture of 05/08/1997. State Interdepartmental Commission on Testing and Registration of Plant Protection Products, Growth regulators and Fertilizers. No import, no export		
<b>Dieldrin</b>	List of pesticides prohibited for use in agriculture of 05/08/1997. State Interdepartmental Commission on Testing and Registration of Plant Protection Products, Growth regulators and Fertilizers. No import, no export		
<b>DDT</b>	List of pesticides prohibited for use in agriculture of 05/08/1997. State Interdepartmental Commission on Testing and Registration of Plant Protection Products, Growth regulators and Fertilizers. No import, no export		
<b>Endrin</b>	List of pesticides prohibited for use in agriculture of 05/08/1997. State Interdepartmental Commission on Testing and Registration of Plant Protection Products, Growth regulators and Fertilizers. No import, no export		
<b>Chlordane</b>	List of pesticides prohibited for use in agriculture of 05/08/1997. State Interdepartmental Commission on Testing and Registration of Plant Protection Products, Growth regulators and Fertilizers. No import, no export		
<b>Hexachloro-benzene</b>	List of pesticides prohibited for use in agriculture of 05/08/1997. State Interdepartmental Commission on Testing and Registration of Plant Protection Products, Growth regulators and Fertilizers.		
<b>Mirex</b>			X
<b>Toxaphene</b>			X

<b>Heptachlor</b>	List of pesticides prohibited for use in agriculture of 05/08/1997. State Interdepartmental Commission on Testing and Registration of Plant Protection Products, Growth regulators and Fertilizers. No import, no export		
<b>PCBs</b>		The inventory of the PCB sources is planned. After that, the estimation of possible action plans will be made.	

#### LXII. United Kingdom

POPs Chemical	Banned	Restricted	No Action	Comments
<b>Aldrin</b>	1989			(Environmental hazard) under the EC "Prohibition Directive"
<b>Dieldrin</b>	1989			(Environmental hazard) under the EC "Prohibition Directive"
<b>DDT</b>	Phased out 1964-84			(Environmental hazard, High acute Toxicity)
<b>Endrin</b>	Phased out 1964-84			
<b>Chlordane</b>	1992			(Environmental hazard) under the EC "Prohibition Directive"
<b>Hexachloro-benzene</b>			X	Currently waiting outcome of EU review
<b>Mirex</b>			X	Never approved for use in UK
<b>Toxaphene</b>			X	Not manufactured since 1990

<b>Heptachlor</b>	1981			(Environmental hazard) under the EC “Prohibition Directive”
<b>PCBs</b>	1986: ban on sale and use in new plants.	X		Use has been restricted since the 1970s. PCBs in existing equipment will need to be disposed of in accordance with the requirements of the forthcoming UK Regulations. Guideline: Maximum Tolerable Concentrations for Dioxins and PCBs in cows’ milk: (16.6ngTEQ/kg milk fat). Tolerable Daily Intake for Dioxins and PCBs: 10 pg TEQ/kg bw-(WHO)
<b>Dioxins and Furans</b>		X		Statutory Control: Dioxins in citrus pulp pellet for animal feeding stuffs: limit 500pg I-TEQ (upper bound). Tolerable Daily Intake for Dioxins and PCBs: 10 pg TEQ/kg bw-(WHO). Maximum Tolerable Concentrations for Dioxins and PCBs in cows’ milk: (16.6ngTEQ/kg milk fat)

### LXIII. The United States of America

POPs Chemical	Banned	Restricted	Comments
<b>Aldrin</b>	1987		No US registrations, all uses have been cancelled by 1987. No production, export or import
<b>Dieldrin</b>	1987		No US registrations, all uses have been cancelled by 1987. No production, export or import
<b>DDT</b>	1972		No US registration, most uses have been cancelled in 1972, all by 1989. No US production, import or export (except de minim’ s quantities for analytical standards)
<b>Endrin</b>	1984		No US registrations, all uses have been cancelled by 1984. No production, export or import.
<b>Chlordane</b>	1997		No US registrations, it has been removed from US market in 1987. No production (stopped in 1997), no import or export.
<b>Hexachloro-benzene</b>	1985		No US registrations, all uses have been cancelled by 1985. No pesticides production, export or import. Manufacturing impurity (“contaminant”) in several registered pesticides
<b>Mirex</b>	1978		No US registrations, all uses have been cancelled by 1978. No production, export or import

<b>Toxaphene</b>	1982		No US registrations, all uses have been cancelled by 1982 No production, export or import
<b>Heptachlor</b>		X	Most uses have been cancelled in 1988, one remaining US registration to control fire ants in underground cable boxes. No production (stopped in 1997), import or export. Limited quantities of existing stocks for US use.

#### LXIV. Uruguay

POPs Chemical	Restricted	No Action	Comments
<b>Aldrin</b>	X		En 1989 se revocaron todos los registros y autorizaciones de venta para uso agronómico. Se permite el uso para el control de hormigas. En cursos o cuerpos de agua del país se permite un máximo de 0.004 µg/l. Para desagües al colector del alcantarillado público no podrá exceder 500 veces el valor máximo permitido para cursos o cuerpos de agua. Para desagües directos a cursos de agua y desagües que se disponen por infiltración en el terreno no podrá exceder 100 veces el valor máximo permitido para cursos o cuerpos de agua.
<b>Dieldrin</b>	X		Idem
<b>DDT</b>			No existe desde 1977 productos agrícolas formulados en base a DDT y tampoco se registraron importaciones del mismo. En cursos o cuerpos de agua del país se permite un máximo de 0.001 µg/l. Para desagües a colector del alcantarillado público no podrá exceder 500 veces el valor máximo permitido para cursos o cuerpos de agua. Para desagües directos a cursos de agua y desagües que se disponen por infiltración en el terreno no podrá exceder 100 veces el valor máximo permitido para cursos o cuerpos de agua.
<b>Endrin</b>	X		En 1988 se revocaron los registros y autorizaciones de venta para uso agronómico. Se permite para el combate de loros y cotarras bajo autorización oficial. Encursos o cuerpos de agua del país se permite un máximo de 0.004 µg/l. para desagües a colector del alcantarillado público no podrá exceder 500 veces el valor máximo permitido para cursos o cuerpos de agua. Para desagües directos a cursos de agua y desagües que se disponene por infiltración en el terreno no podrá exceder 100 veces el valor máximo permitido para cursos o cuerpos

<b>Chlordane</b>	X		En 1989 se revocaron todos los registros y autorizaciones de venta para uso agronómico. Se permite el uso industrial en aserraderos y carpinterías. En cursos o cuerpos de agua del país se permite un máximo de 0.01 µg/l. Para desagües al colector del alcantarillado público no podrá exceder 500 veces el valor máximo permitido para cursos o cuerpos de agua. Para desgües directos a cursos de agua y desagües que se disponen por infiltración en el terreno no podrá exceder 100 veces el valor máximo permitido para cursos o cuerpos de agua.
<b>Hexachloro-benzene</b>		X	
<b>Mirex</b>	X		En 1989 se revocaron todos los registros y autorizaciones de venta para uso agronómico. Se permite el uso para el control de hormigas. En cursos o cuerpos de agua del país se permite un máximo de 0.001 µg/l. Para desagües al colector del alcantarillado público no podrá exceder 500 veces el valor máximo permitido para cursos o cuerpos de agua. Para desgües directos a cursos de agua y desagües que se disponen por infiltración en el terreno no podrá exceder 100 veces el valor máximo permitido para cursos o cuerpos de agua.
<b>Toxaphene</b>	X		En 1989 se revocaron todos los registros y autorizaciones de venta para uso agronómico. Se permite el uso para el control de hormigas.
<b>Heptachlor</b>	X		En 1989 se registró la última importación para uso como hormigicida. En cursos o cuerpos de agua del país se permite un máximo de 0.01 µg/l. Para desagües al colector del alcantarillado público no podrá exceder 500 veces el valor máximo permitido para cursos o cuerpos de agua. Para desgües directos a cursos de agua y desagües que se disponen por infiltración en el terreno no podrá exceder 100 veces el valor máximo permitido para cursos o cuerpos de agua.
<b>PCBs</b>		X	Se están sustituyendo por iniciativa particulares.

#### LXV. Vietnam

POPs Chemical	Banned	Restricted	No Action	Comments
<b>Aldrin</b>	1992			
<b>Dieldrin</b>	1992			
<b>DDT</b>	1992			
<b>Endrin</b>	1992			
<b>Chlordane</b>	1992			
<b>Hexachloro-benzene</b>	1992			

<b>Mirex</b>			X	
<b>Toxaphene</b>	1995			
<b>Heptachlor</b>	1992			
<b>PCBs</b>		1998		Serious problems with Dioxins and PCBs that contaminate the soil and human body

**LXVI. Zambia**

Comments: Most of these products still find their way into the country illegally.

Data Source: Nelson MANDA, Inspector PTS, Environmental Council of Zambia, PO BOX 35131, LUSAKA,

FAX:260 11 25 41 64 / Tel: 25 41 30/ 1/ Email: necz@zamnet.zm

<b>POPs Chemical</b>	<b>Banned</b>	<b>Restricted</b>	<b>No Action</b>	<b>Comments</b>
<b>Aldrin</b>		X		Not registered for use
<b>Dieldrin</b>		X		Restricted for termite control and building
<b>DDT</b>		X		Used for vector control for tsetse and mosquitoes
<b>Endrin</b>		X		For construction only
<b>Chlordane</b>		X		For construction purposes and termite control
<b>Hexachloro-benzene</b>			X	
<b>Mirex</b>		X		Not registered in Zambia
<b>Toxaphene</b>			X	
<b>Heptachlor</b>			X	
<b>PCBs</b>		X		Equipment currently in service, no importation of new equipment with PCBs