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INTERGOVERNMENTAL NEGOTIATING COMMITTEE FOR AN
INTERNATIONAL LEGALLY BINDING INSTRUMENT
FOR IMPLEMENTING INTERNATIONAL ACTION ON
CERTAIN PERSISTENT ORGANIC POLLUTANTS

Third session

Geneva, 6-11 September 1999

Item 2 (c) of the provisional agenda

REPORT BY THE SECRETARIAT ON INTER-SESSIONAL WORK REQUESTED
BY THE COMMITTEE

Compendium of summary information on existing national legislation
relating to persistent organic pollutants

Note by the secretariat

1. At the second session of the Intergovernmental Negotiating Committee, the Implementation Aspects Group requested the secretariat to compile, inter alia, a summary of existing national legislation relating to persistent organic pollutants (POPs) for consideration at its next meeting (UNEP/POPS/INC.2/6, paragraph 96 (c)). In response to that request, the secretariat has prepared the attached compendium of summary information on existing national legislation and regulatory actions relating to POPs. This information is summarized in document UNEP/POPS/INC.3/INF/2.

2. Other information related to national legislation relating to POPs is contained in the note by the secretariat transmitting a master list of actions on the reduction and/or elimination of the releases of persistent organic pollutants (UNEP/POPS/INC.3/INF.9, Section V). Some information contained in the secretariats' note may be repeated in the attached report, since both include information on legal actions, taken from POPs information questionnaires received by the secretariat prior to May 1999.

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Annex

EXISTING NATIONAL LEGISLATION ON PERSISTENT ORGANIC POLLUTANTS:
COMPENDIUM OF SUMMARY INFORMATION

prepared by:

UNEP Chemicals
Geneva, Switzerland

August 1999

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INTRODUCTION

The present compendium of summary information on existing national legislation relating to persistent organic pollutants (POPs) was prepared by the secretariat in response to the request for such information by the Implementation Aspects Group at the second session of the Intergovernmental Negotiating Committee for an International Legally Binding Instrument for Implementing International Action on Certain persistent organic pollutants, held from 25 to 29 January 1999 in Nairobi, Kenya.

The compendium is limited to information on national legislative and regulatory actions and those of regional economic integration organizations whose legislative and regulatory actions are directly applicable to their member states.

Information for the compendium of summary information was collected from the following sources:

(a) Regulatory Actions and Guidelines concerning POPs, UNEP Chemicals; June 1998, which is based on the UNEP Chemicals Legal File, the joint prior informed consent (PIC) procedure database of UNEP and the Food and Agriculture Organization of the United Nations (FAO) and POPs information questionnaires received from Governments by UNEP Chemicals prior to May 1998;

(b) POPs information questionnaires submitted by Governments to UNEP Chemicals from May 1998 to May 1999;

(c) Proceedings of eight regional and subregional POPs awareness-raising workshops held between July 1997 and June 1998 and convened jointly by UNEP and the Intergovernmental Forum on Chemical Safety (IFCS); and

(d) Consolidated List of Products Whose Consumption and/or Sale have been Banned, Withdrawn, Severely Restricted or not Approved by Governments; Fourth Edition; United Nations; New York, USA; 1991.

When interpreting the information gathered from these sources, the following points should be taken into consideration. First, completeness and quality of data varies from source to source. The information provided through the PIC procedure may be the most reliable since it is drawn from formal submissions by countries. Data from the regional and subregional workshops, on the other hand, are based on reports given by government experts who may not always indicate the source of their information. Second, information submitted may be incomplete, unclear, or otherwise inconclusive. Third, the nature of the action taken can be difficult to discern without further information. Fourth, absence of a regulatory control does not necessarily mean that the use of the chemical is allowed (e.g., unregistered

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pesticides). Fifth, for some countries, the data used are seriously out of date and may overlook important actions taken by them more recently on POPs.

The compendium is a first attempt to summarize available information and needs to be further elaborated and continuously updated. Governments are invited to provide additional information to correct or update the information used here. The summary will be revised regularly to reflect new information received.

ORGANIZATION OF THE COMPENDIUM

For each of the 12 POPs under consideration by the POPs intergovernmental negotiating committee, information is summarized by country and includes information on bans, restrictions, and use, along with the effective date and the references and data sources (see next section) for the actions.

For the purpose of developing the summary contained in the summary of existing national legislation on persistent organic pollutants (UNEP/POPS/INC.3/INF/2) legal and regulatory actions have been categorized as follows:

(a) General bans. This includes prohibitions on all known current uses of a chemical. Also included in the category are pesticides that are not registered for such use in a country that requires this and that have no significant non-pesticide uses;

(b) (B2) Limited bans. This includes bans on one or more major use category without specification as to whether other uses are banned. For example, a pesticide POP could be banned in agriculture, but bans on other uses (e.g., for head lice) are not mentioned;

(c) (B3) Bans by the European Community. This includes cases where the European Community has taken action to ban a POP, but data from one or more European Community member States are missing or otherwise out-of-date;

(d) (S) Severe restrictions. This includes bans on all major uses except for certain specified uses (e.g., use of DDT for disease vector control purposes);

(e) (R) Other restrictions. This includes prohibitions on some uses and other requirements related to the use of a chemical;

(f) (L) Lacks legislation. This includes cases where a country has indicated that it lacks legislation necessary to regulate the use of a chemical or chemicals;

(g) (I) Inconclusive. It was not possible to determine the level of action taken based on the data provided.

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It is important to note that, based on the available data, it is often difficult to distinguish between the various levels of legislative or regulatory action taken in countries.

For the "References" column in the tables that follow, the following abbreviations were used:

ADECA	DECREE, ISSUED BY NATIONAL MINISTRY OF AGRICULTURE AND STOCKBREEDING.		ARGENTINA
ADECG	DECREE, ISSUED BY NATIONAL MINISTRY OF AGRICULTURE AND STOCKBREEDING.		ARGENTINA
ADISS	ARGENTINEAN LEGISLATION, DISPOSICION, ISSUED BY SERV. NAC. DE AGRICULTURA Y GANADERIA NACIONAL	SERV. NAC. DE SANIDAD VEG.	ARGENTINA
ALEYP	ARGENTINEAN LEGISLATION. EJECUTIVO NACIONAL, MINIST. ECONOMIA NACIONAL	LEY DEL PODER EJECUTIVO NACIONAL	ARGENTINA
ARESA	ARGENTINEAN LEGISLATION, RESOLUCION, ISSUED BY MINIST. AGRICULTURA Y GANADERIA NACIONAL		ARGENTINA
AUSPC	PESTICIDES AND AGRICULTURAL CHEMICALS COMMITTEE		AUSTRALIA
AUTLG	FEDERAL LAW GAZETTE		AUSTRIA
BELME	MINISTERE FEDERAL BELGE DE L'ENVIRONNEMENT, QUARTIER VESALE BOITE 7	BLVD PACHECO, 19, 1010 BRUXELLES	BELGIUM
BGZBAD	BUNDESGESETZBLATT (FEDERAL LAW GAZETTE)	BUNDESMINISTERIUM DER JUSTIZ, BUNDESANZEIGTER VERLAGSGESELLSCHAFT M.B.H., 1320 RONN	GERMANY
BLZPC	BELIZE LEGISLATION ON POLLUTION CONTROL		BELIZE
BMEPC	BALTIC MARINE ENVIRONMENT PROTECTION COMMISSION (HELCOM)		BALTIC COUNTRIES
BRAMA	SECRETARIA ESPECIAL DO MEIO AMBIENTE,	MINISTERIO DO INTERIOR, ESPLANADA DOS MINISTERIOS, PROJECAO 23.2. ANDAR, 70.054 BRASILIA, D.F.	BRASIL
BRAMH	MINISTRY OF HEALTH	NATIONAL SECRETARY FOR SANITARY CONTROL	BRASILIA
CICOPLAFE ST	Catálogo Oficial de Plaguicidas, Comisión Intersecretarial para el Control del Proceso y Uso de Plaguicidas, Fertilizantes y Sustancias Tóxicas, DIARIO OFICIAL		
CAGAAK	CANADA GAZETTE PART II	OTTAWA ONTARIO	CANADA
CAGAE0	CANADA GAZETTE PART I	OTTAWA ONTARIO	CANADA
CFRUS	CODE OF FEDERAL REGULATIONS, OFFICE OF THE FEDERAL REGISTER, NATIONAL ARCHIVES AND RECORDS SERVICE, USGPO, GSA	WASHINGTON, DC 20402	USA
CHEFC	VERORDNUNG UBER UMWELTGEFAHRDENDE 1986	SWISS FEDERAL COUNCIL	SWITZERLAND
CHNNS	NATIONAL STANDARD	NATIONAL STANDARD	CHINA
CHNMA	MINISTRY OF AGRICULTURE, ANIMAL HUSBANDRY AND FISHERY		CHINA
CRILG	LA GACETA	LA GACETA	COSTA RICA
CUBHE	DIRECCION NACIONAL DE HIGIENE Y EPIDEMIOLOGIA	MINISTERIO DE SALUD PUBLICA	CUBA
CYPPB	PEST CONTROL PRODUCT BOARD		CYPRUS
CZEMH	MINISTRY OF HEALTH	MINISTRY OF HEALTH	CZECH REPUBLIC
DNKDS	DANISH STATUTORY	DANISH STATUTORY	DENMARK
FEREAC	FEDERAL REGISTER, USGPO, SUPERINTENDENT OF DOCUMENTS,	WASHINGTON, DC 20402	USA
FINCS	FINNISH COUNCIL OF STATE	COUNCIL OF STATE	FINLAND
FINGO	FINNISH GOVERNMENT		FINLAND

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FINMA	MINISTRY OF AGRICULTURE AND FORESTRY		FINLAND
GAZIN	THE GAZETTE OF INDIA, CONTROLLER OF PUBLICATIONS	DELHI-110054	INDIA
GBRSI	STATUTORY INSTRUMENTS, HMSO PUBLICATIONS CTR, P.O. BOX 276	SW8 5DT LONDON	UNITED KINGDOM
GMBEA	NATIONAL ENVIRONMENTAL AGENCY		THE GAMBIA
ITAMH	MINISTRY OF HEALTH	MINISTRY OF	ITALY
KENPC	PEST CONTROL PRODUCTS BOARD DECISION 22.4.1985, MINISTRY OF ENVIRONMENT AND NATURAL RESOURCES	NAIROBI	KENYA
JPNCO	LAW CONCERNING EXAMINATION, REGULATION, MANUFACTURE OF CHEMICAL SUBS.	CABINET ORDER	JAPAN
JPPDL	POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW		JAPAN
KGTXP	OBSHCAYA TOXICOLOGIYA PESTITSIDOV, 1981	KIEV, 'SDOROV'YE'	UKRAINE
KIFS	KEMIKALIEINSPEKTIONENS FÖRESKRIFTER OM VISSA AKTIVA ÄMNEN I BEKÄMPNINGSMEDEL	SWEDISH NATIONAL CHEMICALS INSPECTORATE, SS-171 28 SOLNA	SWEDEN
KORME	MINISTRY OF ENVIRONMENT		KOREA
KWTEP	ENVIRONMENT PROTECTION AGENCY		KUWAIT
LKAMP	MINUTES OF THE MEETING OF THE PESTICE FORMULARY COMMITTEE		SRI LANKA
LTUHS	NATIONAL HYGIENE STANDARDS	NATIONAL HYGIENE STANDARDS	LITHUANIA
MDGME	MINISTRY OF ENVIRONMENT		MADAGASCAR
MDUPP	MAXIMALNO DOPUSTIMYE UROVNI SODERZHANIA PESTITSIDOV V Y	MOSCOW	RUSSIAN FEDERATION
NMEPC	NORTH EASTERN ATLANTIC MARINE ENVIRONMENT PROTECTION COMMISSION (OSPARCOM)	OSPARCOM	NORTH EASTERN ATLANTIC COUNTRIES
NZLCB	AGRICULTURAL CHEMICALS BOARD MINUTES		NEW ZEALAND
NZLME	MINISTRY FOR THE ENVIRONMENT		NEW ZEALAND
OSUMH	ORDER OF THE EX-USSR MINISTRY OF HEALTH		RUSSIAN
ROMON	OFFICIAL NEWS PAPER, INTERMINISTERIES COMMISSION FOR PESTICIDE REGISTRATION	MINISTRY OF AGRICULTURE AND	ROMANIA
SCHSB	SPISOK KHMICHESKIKH I BIOLOGICHESKIKH SREDSTV RAZRESHENNYKH	STATE COMM. FOR PEST. CONTROL	RUSSIAN FEDERATION
SVNGS	OFFICIAL GAZETTE OF THE REPUBLIC OF SLOVENIA		SLOVENIA
SVNGY	OFFICIAL GAZETTE OF THE SFRY		SLOVENIA
SVENF	SVENSK FORFATTNINGSSAMLING,	S-11153 STOCKHOLM	SWEDEN
SZCZR	SBIRKA ZAKONUCESKE REPUBLIKY (THE LAW OF THE CZECH REPUBLIC)	MINISTERSTVO VNITRA CESKE	CZECH REPUBLIC
SZCFR	SBIRKA ZAKONU CESKE A SLOVENSKE FEDERATIVNI REPUBLIKY (COLLECTION OF THE LAWS OF CZECH AND SLOVAK REPUBLIC), FEDERALNI MINISTERSTVO	PRAHA 1, CS-11816 PRAHA	CZECH REPUBLIC
THARG	THE ROYAL GAZETTE	THE ROYAL GAZETTE	THAILAND

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For the "Information source" column in the tables that follow, the following codes were used:

Source code Information Source

- 1/B UNEP Chemicals; POPs: Regulatory Actions and Guidelines concerning Persistent Organic Pollutants; Geneva, Switzerland; June 1998.
- 2 UNEP Chemicals; POPs information questionnaire submitted by Governments that were received by UNEP Chemicals prior to June 1999.
- 3 Consolidated List of Products Whose Consumption and/or Sale have been Banned, Withdrawn, Severely Restricted or not Approved by Governments; Fourth Edition; United Nations; New York, USA; 1991.
- 4 UNEP and the Intergovernmental Forum on Chemical Safety (IFCS); Proceedings of the Subregional Awareness Raising Workshop on POPs; Cartagena, Colombia; January 1998.
- 5 UNEP and IFCS; Proceedings of the Subregional Awareness Raising Workshop on POPs; Abu Dhabi, United Arab Emirates; June 1998.
- 6 UNEP; Proceedings of the Subregional Meeting on Identification and Assessment of Releases of POPs; St. Petersburg, Russia; July 1997.
- 7 UNEP and IFCS; Proceedings of the Subregional Awareness Raising Workshop on POPs; Bangkok, Thailand; November 1997.
- 8 UNEP and IFCS; Proceedings of the Subregional Awareness Raising Workshop on POPs; Bamako, Mali; December 1997.
- 9 UNEP and IFCS; Proceedings of the Subregional Awareness Raising Workshop on POPs; Lusaka, Zambia; March 1998
- 10 UNEP and IFCS; Proceedings of the Subregional Awareness Raising Workshop on POPs; Puerto Iguazu, Argentina; April 1998.
- 11 UNEP and IFCS; Proceedings of the Subregional Awareness Raising Workshop on POPs; Kranjska Gora, Slovenia; May 1998.

POPS NATIONAL LEGISLATION
SUMMARY TABLES

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Table 1

ALDRIN

Aldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	B1	Banned product.			Decree No. 87-182 of 18 August 1987. (Barkahoum, Slama Alamir 1997. Algerian Report on POPs. In <i>Proceedings...</i> 1997.)	18.août.87	8 (pp. 152, 156, 159)
Argentina	R		Prohibited for use as: antiweevil agent on seeds and products for human and animal consumption, scabicide in sheep in parts of the province of Buenos Aires, external parasiticide, in tobacco industry and commerce. Fungicides and seed dressings subject to expropriation.		ARESA Res. 21, ADECA Dec 2143, 1968; ADISS 80, 1971; ADISS 47, 1972. Also Ryczel, M.E. 1998, National Project on POPs, in <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April, 1998.	various	3 (p161). 10 (p. 230)
Armenia	I						No data.
Australia	S	Import banned 21.12.1987; Uses tobacco, maize, onion seedlings cancelled, varies by state	Protection of Buildings against subterranean termite attack allowed.	Termite	PACC note	21.12.87	1/B
Austria	B1	All use, sale, import, export, mixtures, PIC,		None	AUTLG, No 97, 1992	20.02.92	1/B
Bahrain	R		Use prohibited except after considering the conditions, regulations and guarantees determined by Environmental Affairs in agreement with Ministry of Health, Ministry of Works and Agriculture. Handling without permission prohibited		Articles 10, 14 of Environmental Law of 1996, rept. By Al-Sho'ala, A.S.A., 1998. In <i>Bahrain Experience in Controlling POPs</i> (5)	1996	5 (p 161)
Barbados	B1	POPs prohibited.					4 (pp. 38-39)
Belarus	B2	Banned.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6). p. 20.	1994	6 (p. 20)
Belgium	B1	No products, use, production, import, or export allowed.			List of Authorised pesticides for non-agricultural use. 1/1/97. List of Pesticides Registered for Agricultural Use. 1996; Royal Decrees 5/6/1975 and 28/2/1994.	1975, 1994	2 (SF1 §§1,9)rec'd 30.6.98
Belize	B1	Organochlorine pesticides prohibited for import and use.			BLZPC Pesticides Control No. 32, 1985	1985	3 (p161), Alegria, Martin, Problems with Final Disposal of DDT in Belize. (p. 135) In <i>Proceedings...</i> , Cartagena, Colombia, 27-30 January 1998

Aldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Benin	B1	Pesticide and products containing it banned from import and use, not exported nor produced.			Arrêté No. 0255/MDR; Arrêté Interministériel No. 040/MCAT/MDR/MSPSCF/MEHU/MF; Arrêté No. 0251/MDR; Arrêté No. 593/MDR; Arrêté No. 591/MDR; Arrêté No. 250/MDR; Arrêté Interministériel No. 335/MDR/MENRS/MEHU	1995, 1997	2 (SF1, §9) D. Houeto, rec'd 23.6.98
Bolivia	B1	Prohibited.			Prohibition of the Use of Pesticides (Ministerial Regulation dated 8/FEB/94)	08.févr.94	10 (p. 235)
Botswana	L			Legislation inadequate or lacking for import and use; chemicals marketed and used.	Serumola, O. & B. Mbongwe, Chemical Substances Management in Botswana. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (pp. 128-129)
Brazil	B2		Prohibited from Ag. Use 1993, Emergency Ag. Use allowed	Ant ctl, Wood Preservative, Pub Hlth, Em. Ag.	BRAMA 329	1985	1/B
Bulgaria	B2	Banned for use in agriculture.			Not available.		2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98; 3(p. 161) 8 (170).
Burkina Faso	B1	Banned.			Ouedraogo, Desire, 1997. National Action for the Reduction of risks from POPs Pesticides in Burkina Faso. In <i>Proceedings...</i> 1997.		
Cameroon	I		Inconclusive response. May be restricted or banned under Law No. 90/013 (10 August 1990) and decree No. 92/223 (25 May 1992).		Gimou, M. M. & Sama, D. A. 1997. Identification and Evaluation of POPs Pesticides in Cameroon. In <i>Proceedings...</i> 1977.		8 (pp. 185-188).
Canada	B1	Sale and use of products containing aldrin is prohibited.			PMRA 1997; NPRI summary report 1996. CEPA. TSMP Track I Subs. (ECE)	1995	2(SF1, §2.9)
Chile	B1	Import, manufacturing, sale, distribution and use banned			Resolution 2142, Ministry of agriculture - SAG, 1987.	1987	(SF1, §1) rec'd 21.7.98
China	B1	Registration, production and use			CHNNS, GB8321.1-3/87-89		1/B
Colombia	B1	Production, formulation, marketing, handling, use, import, application prohibited.			RNCOL Res. 447, 06DEC74; DCCOL Dec. No.305, 1988; Resolution 010255 of 1993	1974, 1988, 1993	3(p. 161), 4 (Cartagena, p.241)

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Democratic Congo Republic	L			Imported and used. Use not specified.	Mukonkole-Mayeke, M.R. 1997. Identification of the Problems Posed by POPs Questionnaire for Participants. In <i>Proceedings...</i> 1997.		8 (pp. 189-191)
Costa Rica	B1	Registration, formulation, sale, import, transport, storage and use are prohibited			Ministry of Agriculture, Ministry of Health and Ministry of Labour, Decree 18346-MAG-S-TSS, 1988 CRILG, No. 151, 1988	08.10.88	1/B
Cote d'Ivoire	L				No data.		No data.
Croatia	L				No data.		No data.
Cuba	B1	Use, prod, import			Resolución No.268, CUBHE, 1990	28.déc.90	1/B
Cyprus	B1	Registration withdrawn, any use prohibited.			CYPPB, 1980	déc.80	1/B
Czech Republic	R		Export and import only with special permission (license) by relevant government authority.	N/I	Decr. Of Fed. Ministry Foreign Trade No. 560, SZCZR, 56, 1785, 1994/Law No. 20 Coll., and Decree No. 45 Coll., 1966, CZEMH, No.45, 1966	14.09.94, 1966	1/B
Denmark	B1	Use, sale, import, export, mixtures, PIC,			Act on Chemical Substances and Products, Consolidated Act No. 21, 1996. DNKDS, 1996	01.01.1991	1/B
Dominica	S		Severely restricted pesticide.		(DMAPC) Pesticide Control Board, 1986		3 (p162)
Ecuador	B1	POPs prohibited.		Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	Register exists		4 (pp. 38-39)
Egypt	B2		Agricultural use prohibited; registration required for other purposes.	Possible public hygiene, household or human and animal pest control.	El Sayed, S.M. 1998. POPs Related Issues of Relevance to Egypt. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp 186, 189-204)
Estonia	B2	Import of chlororganic plant protection products banned. Not registered. Only registered products can be imported, marketed and used.			Roots, Ott 1998. (quoting Müür, 1996) Persistent Organic Pollutants Releases in the Baltic Sea Region. In <i>Proceedings...</i> 1998.	21/10/1967	6(p. 263)

Aldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Ethiopia	B1	Not registered. Pesticide prohibited from manufacture and import.			Government Decree No. 20/1990. (covering pesticide registration).	1990	2 (SF1 §9, rec'd 5.2.98)
Fiji Islands	B1	Not produced, not exported, imports banned in 1985			Registrar of Pesticides (M.L. Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)
Finland	B2	Sale and use of plant protection products prohibited			HELCOM 13/13, PARCOM 7/13/1	1972	1/B, 2 (SF1, §9, rec'd 10MAR98)
France	B3	(EEC)	(EEC)				1/B
Gambia, The	L						No data.
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	B1	Prohibited: use, sale, import, export, mixtures.			Commission Directive 79/117/EWG, Helcom Recommendation 13/13 and OSPARCOM Recommendation 7/13/1, 1992	1979, 1992	2 (SF1, §3 rec'd 14.4.98), 1/B
Ghana	I	Inconclusive.	Inconclusive. Import, manufacture, storage, distribution, sale, use and disposal may be controlled under Pesticides Control and Management act, 1996 (Act 528)		Klufio, George M.S. 1997. Country Situation on Persistent Organic Pollutants. In <i>Proceedings...</i> 1997.		8 (pp 214-216)
Greece	B1	Date of 1972 indicated for ban of all pops. No other information supplied.			No data.	1972	2 (A. Tsatsou-Dritsa 3.2.98 rec'd 10.2.98)
Guatemala	B1	POPs prohibited.					4 (pp. 38-39)
Guinea	R		Professional license required for import and use (no production in country)	None.	Arrêté 5714/MAEF/SGG/96	1996	2 (SF1, §1,9) T.I. Camara, rec'd 26.5.98
Hungary	B1	Use as pesticide, no remaining uses allowed			Official Document of Withdrawal 87117/1966	1966	1/B
India	B1	Use as pesticide			Insecticides approved by the Registration committee under the Insecticide Act 1968 and Rules 1971, GAZIN, 1992	01.12.93	1/B
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)

Aldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Iran (Islamic Republic of)	B1	Banned			Substantial Rules and Regulations Concerning Registration, Production, Transportation, Usage, Storage, Import and Export of 1967. Also Controlling and Surveillance of Poisons and Chemicals (1996).	1973	7 (pp. 243-245)
Ireland	B1	Use notpermitted.			National Regs. 237, 1985 and 342, 1987	1981	3 (D. Sheridan), 2(SF1, §9) 5 (p. 32)
Israel	B1	Banned					
Italy	B2	Use, sale, import, export, mixtures, PIC,	Use as plant protection product banned, for other uses a written authorization is required.		Application of EU Regulation 2455/92/EEC, 1992	1992	1/B
Jamaica	B1	POPs prohibited.					4 (pp. 38-39)
Japan	B2	Manufacturing, import, use requires authorization. No import of product containing substance.	Requires authorization.		The law concerning the examination and regulation of manufacture etc. of chemical substances. JPNCO 1981.	02.10.81	1/B
Kazakhstan	L		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	B2		Restricted to tse-tse control	Tse-tse control	Pest Control Products Board Decision Ref PCPB/1/II/95 of 22/4/85	févr.87	1/B
Korea, Republic of	B2		Allowed only as additive in production of industrial goods.	Additive in production of industrial goods.	Regulation on the Substances Subject to Ban or Restriction of Manufacture, Import, Sale and Use, 1996. KORME, No. 96-75, 1996.	01.06.96, 1969	1/B
Kuwait	B1	Banned			Shuhaibar, Bassel Y. 1998. Managing and Disposing of POPs in Kuwait, from <i>Proceedings... Abu Dhabi</i> .		5 (pp. 205, 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	I	Prohibited for import.			Keomanichanh, K 1997. Pesticide Case Study from Lao People's Democratic Republic. In <i>Proceedings...</i> 1997.		7 (p. 109)
Latvia	I	8 POPs are not registered, not permitted for import or usage.			Law on Plant Protection, 5 OCT94, incl. Instruction on Pesticide Registration	05.oct.94	(OSF §19)rec'd 9.10.97

Aldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Lebanon	B1	Forbidden: Import, production, use, export.			Decision of Ministry of Agriculture to Forbid Import & Production, No. 108/1 27.7.92.	27.7.92	2 (SF1, §9) rec'd 13.2.98; A.Kaskas 12.8.98
Lithuania	B1	Use, manufacturing, import banned			Governmental rules for production, trade, transportation and storage of dangerous chemical substances licencing. Banned and Restricted Pesticides, 1996. LTUHS, HN 63, 1996.	01.04.97	1/B
Luxembourg	B3	(EEC)	(EEC)	All substances are not used in Luxembourg	No regulation cited.		2 (SF1, §9) (SF2, §§1,4) Röhlér
Macedonia, The Former Yugoslav Republic of	B1	Use, sale, import, export, mixtures, etc. banned			SFRY Oficial Journal No. 43/82, art. 4 of Law on Traffic in Poisonous Substances	1982	M. Balaburski/S. Milad 21DEC1998
Madagascar	B1	Use and sale suspended.			Decree No. 6255, 1993. MDGME, Art. 1 and 2, 1993	30.11.93	1/B
Malaysia	R		Consent (of government required); Restricted.		Pesticide Act 1974, and Custom Act 1967 (Prohibition Order Import/Export 1988)	1988	7 (pp 261-262)
Mali	I		Inconclusive. See uses.	Unspecified. Regulations exist, but are not really functional.	Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997.	nov.95	8 (p. 239).
Mauritius	B2	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	n.d.	2 (V.S. Fareed) rec'd 9.12.97
Mexico	B1	Import, production, sale, use and formulation are prohibited			Catálogo Oficial de Plaguicidas, Comisión Intersecretarial para el Control del Proceso y Uso de Plaguicidas, Fertilizantes y Sustancias Tóxicas (CICOPLAFEST). And Ley del Impuesto General de Exportación. Diario Oficial de la Federación, 22 de diciembre de 1995.	16.janv.96	2 (SF1, §1,2,4,9)G.O. Fernandez, 27JUN98 via inet
Moldova, Republic of	L			Not used.			6(p. 21)
Mongolia	B2	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market."	n.d.	2 (Dagva) rec'd 16.3.98

Aldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
the Netherlands	B2	Use, sale, import, export, mixtures, PIC, all plant protection products containing aldrin			Pesticides Act, 1981	1981	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)
New Zealand	B1	Withdrawal of all remaining products, registrations cancelled. No uses allowed.			General Policz on Phase'out of organochlorine pesticides, NZLCB, 1970	avr.70	1/B
Nicaragua	L			Imported for use with other insecticides, some exported for destruction. No information on production.	Ley Básica para el Registro, Control y Uso de Sustancias Tóxicas y Peligrosas, #274, 13.2.98, Gaceta Diario Oficial #30.	1993, 1998	2 (SF1, §9), H.C. Zamora 5.5.98.
Niger	I						No data.
Nigeria	L			Widely used for treatment of timber, pre-planting treatment of seeds, and wooden rafters against termite attack. Also treatment of yam seedlings.	Soyombo, R. 1998, Management of POPs in Nigeria, an Emerging National Issue. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (p. 178)
Panama	B1	POPs prohibited.				1997	4 (pp. 38-39)
Paraguay	S	Entry prohibited.	Not produced in Paraguay. Imported. Prohibited from general use in agriculture. No information on export, management.	Used against ants, and in specific agricultural applications.	Resolution No. 447 of the Ministry of Agriculture and Livestock (1993)	1993	2 (SF1, §9)C.Acevedo, rec'd 31.8.98; 10 (p. 272)
Peru	B1	POPs prohibited.			Register.	1991	4 (pp. 38-39)
Portugal	B3	(EEC)	(EEC)				1/B

Aldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Romania	B1	Use forbidden			Decision No. 36 concerning the interdiction of use of pesticides based on Aldrin, Dieldrin, Endrin, and Chlordane, 1972. ROMON, No. 157, 25, 12, 1972	1972	1/B
Russian Federation	B1	Banned: food, feed, manufacturing, use, agricultural use, pesticide.			food:MDUPP,2823-83,1983. Feed:SCHSB, Supl-4, 1982. Pest:OSUMH, 02FEB, 1972. KGTXP, 1981.	1981	1/B
Rwanda	B1	Banned.		Use cannot be totally ruled out.	Karemera, F. 1998. POPs Management Related Activities in Rwanda, in Proceedings... Lusaka, Zambia, 17-20 March 1998.		9 (p. 215)
Saint Kitts & Nevis	B1	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No data.
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings...</i> 1997.		8 (pp. 245-246)
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No data.		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998. 7 (pp. 211, 213)
Singapore	S	Not allowed for local use.			Licensing controls are implemented under the Poisons Act and the Poisons (Hazardous Substances) Rules. Controls import, export, sale, storage, transport and use of hazardous chemicals.		
Slovak Republic	I						No data.
Slovenia	B1	Banned as poison.			Act on Poisons, 1991, SVNGY, No. 13, 1991	1991	1/B
South Africa	I						No data.
Spain	B3	(EEC)	(EEC)				1/B

Aldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Sri Lanka	R		Quantity restrictions and distribution only for coconut and tobacco nursery application.	coconut and tobacco nursery application.	LKAMP, 1986	31.07.86	1/B
Suriname	L			Suriname pesticide law and institutions for pesticide monitoring and control are not operational.	Monsels-Thompson, Lilian, 1998. POPs Problems, issues and Management in Suriname. From Proceedings... Cartagena, Columbia, 27-30 January, 1998. (p. 225)		4 (pp. 225, 227).
Sweden	B1	Use, sale, import, export, mixtures, prohibited under PIC.			SVENF, 1985:426, 4, 1985. KIFS, 19904:15, 1994.	1970	1/B
Switzerland	B1	Manufacture, supply, import, use all banned.			Ordinance relating to Environmentally Hazardous Substances (OSUBST/STOFFVERORDNUNG, STOV), 1986, CHEFC, AS 1986, 1254, 1986	01.09.86	1/B
Syrian Arab Republic	B2	Banned in agriculture and public health use.	No POPs are produced in Syria, import restricted to those with prior permission of a specialized committee.		Ghazalah, Samih, 1998. Legislation and Regulations in Syria about POPs	1949	5 (pp. 32, 167)
Tajikistan	L			Inconclusive. Pesticides used in agriculture with no registration. No import restriction. Unregulated import.			6 (p. 21)
Tanzania, United Republic of	L		Inconclusive.		Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)
Thailand	B1	Use banned.			Ministry of industry, list of Hazardous substances B.E. 2538, 1995. THARG, No. 112, 13, 1995	01.05.95	1/B
Togo	B1	Use prohibited			K. Sanda 15May98, SF1§11	n/a	2(recd 22.5.98)
Trinidad and Tobago	B1	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	B2	Banned in agriculture and public health use.					5 (p. 32)

Aldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
United Kingdom	B1	Use, sale, import, export, mixtures prohibited.			The control of Pollution, (Supply and use of injurious substances), 1986, and The Environmental Protection (Controls on Injurious Substances), 1992. GBRSI, No. 31, 1992	01.01.92	1/B
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-existent.	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)
USA	B1	Banned for all use except termite control 1974, voluntary cancellation of termiticide use in May 1987.			Consolidated Aldrin/Dieldrin Hearing, 1974 and Chapman Chemical Co. Notice of intent to cancel registration 1989. FEREAC, 54, 8814, 1989.	1974, 1989	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	B1	Banned (Prohibido)			Letter from Judith Musso Quintero, Directora General Sectorial (E), ODEPRI, 4Aug98, rcd 7.9.98.		2 (SF1, §§1,2,9)
Vietnam	B1	(banned since 1992, no ref)			CUC MÔI TRU'ỐNG (SF1, 5Jan99) National Environment Agency		"n/a" 2 (5JAN99)
Zambia	I						No data.
Zimbabwe	B2	Banned for agricultural use. See restrictions.		Used in the control of termites.	Sithole, S. Registration and UE of Persistent Pesticides in Zimbabwe. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (p. 244)

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 2

CHLORDANE

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Chlordane

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	B1	Banned product.			Decree No. 87-182 of 18 August 1987. (Barkahoum, Slama Alamir 1997. Algerian Report on POPs. In <i>Proceedings...</i> 1997.)	18.aout.87	8 (pp. 152, 156, 159)
Argentina	S	Banned in cultivation, commerce, industrial processing of tobacco, as antiweevil agent on seeds, food and feed. Prohibited for use on cattle, sheep, goats, swine, horses.			ADISS, 80, 1971; ADISS 47, 1972; ADECG, 2678, 1969	20.12.71/01.06.72/10.06.,69	1/B
Armenia	I						No Data.
Australia	B1	Imp Prohibited 21.12.87. Use for household, lawn, vegetable pests cancelled (dates vary). No uses remain.		Subterranean Termites	Non-binding recommendations by Pesticides and Agricultural Chemicals Committee usually followed by State legislation. AUSPC 1986	1986 and later	1/B
Austria	B1	All use banned 20.02.92 (EEC)			<2>, 97th Ordinance on prohibition of Dangerous Substances in Plant Protection Products. AUTLG, No. 97, 1992	20.févr.92	1/B
Bahrain	R		Use prohibited except after considering the conditions, regulations and guarantees determined by Environmental Affaris in agreement with Ministry of Health, Ministry of Works and Agriculture. Handling without permission prohibited.		Articles 10, 14 of Environmental Law of 1996, rept. By Al-Sho'ala, A.S.A., 1998. In Bahrain Experience in Controlling POPs (5)	1996	5 (p 161)
Barbados	B1	POPs prohibited.					4 (pp. 38-39)
Belarus	I	Inconclusive, insufficient data. Possibly banned.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)
Belgium	B1	No products, use, production, import, or export allowed.			List of Authorised pesticides for non-agricultural use. 1/1/97. List of Pesticides Registered for Agricultural Use. 1996; Royal Decrees 5/6/1975 and 28/2/1994.	1975, 1994	2 (SF1 §§1,9)rec'd 30.6.98
Belize	B2	Organochlorine pesticides prohibited for import and use.			BLZPC Pesticides Control No. 32, 1985	1985	3 (p161), Alegria, Martin, Problems with Final Disposal of DDT in Belize. (p. 135) In Proceedings..., Cartagena, Colombia, 27-30 January 1998.

Chlordane

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Benin	B1	Pesticide and products containing it banned from import and use, not exported nor produced.			Arrêté No. 0255/MDR; Arrêté Interministériel No. 040/MCAT/MDR/MSPSCF/MEHU/MF; Arrêté No. 0251/MDR; Arrêté No. 593/MDR; Arrêté No. 591/MDR; Arrêté No. 250/MDR; Arrêté Interministériel No. 335/MDR/MENRS/MEHU	1995, 1997	2 (SF1, §9) D. Houeto, rec'd 23.6.98
Bolivia	B1	Prohibited.			Prohibition of the Use of Pesticides (Ministerial Regulation dated 8/FEB/94)	08.févr.94	10 (p. 235)
Botswana	L			Legislation inadequate or lacking for import and use; chemicals marketed and used.	Serumola, O. & B. Mbongwe, Chemical Substances Management in Botswana. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (pp. 128-129)
Brazil	I			No Data.			10 (p. 253)
Bulgaria	I				n/a		2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98
Burkina Faso	B1	Banned			Ouedraogo, Desire, 1997. National Action for the Reduction of risks from POPs Pesticides in Burkina Faso. In <i>Proceedings...</i> 1997.		8 (pp. 170, 175, 177).
Cameroon	I		Inconclusive response. May be restricted or banned under Law No. 90/013 (10 August 1990) and decree No. 92/223 (25 May 1992).		Gimou, M. M. & Sama, D. A. 1997. Identification and Evaluation of POPs Pesticides in Cameroon. In <i>Proceedings...</i> 1977.		8 (pp. 185-188).
Canada	B1	Sale and use of products containing chlordane is prohibited.			PMRA 1997; NPRI summary report 1996. CEPA. TSMP Track I Subs. (ECE)	1995	2(SF1, §2,9)
Chile	B1	Import, manufacturing, sale, distribution and use banned			Resolution 2142, Ministry of agriculture - SAG, 1987.	1987	2(SF1, §1) rec'd 21.7.98
China	S		Severly restriced for registration, production and use as pesticide. Permission required for production, import export, and usage	Control of underground pests.	Rules for safe use of pesticides, 1982 and guidelines for use of pesticides, 1988, 1990. CHNNS, GB8321.1-3/87-89, 1990	janv.83	1/B
Colombia	B1	Production, formulation, marketing, handling, use, import, application prohibited.			Resolution 010255 of 1993	1993	4 (Cartagena, p.241)

Chlordane

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Democratic Congo Republic	L			Imported and used. Use not specified.	Mukonkole-Mayele, M.R. 1997. Identification of the Problems Posed by POPs Questionnaire for Participants. In <i>Proceedings...</i> 1997.		8 (pp. 189-191)
Costa Rica	B2	Registration, production, import, transport, storage, sale and use in agriculture, veterinary or domestic use are prohibited.		Allowed for wood preservation, and as component of industrial product	Ministry of Agriculture and Ministry of Health, Decree 20184-MAG-S, 1991. CRILG, No. 17, 1991.	24.01.91	1/B
Cote d'Ivoire	I		No Data.				No Data.
Croatia	I		No Data.				No Data.
Cuba	I						No Data.
Cyprus	B1	Banned for all use as pesticide. No remaining uses allowed.			Decision 18/02/88	févr.88	1/B
Czech Republic	R		Export and import of the substance is possible only when special permission (licence) is given by the relevant governmental authority.		The decree of federal ministry of foreign trade no. 560 on conditions of giving of the official permission for export and import of goods and services SZCFR*, ,106 ,2762 ,1991	14.09.94	1/B
Denmark	B2	All import, sale, and use for plant protection products containing chlordane prohibited. (EEC)	(EEC)		Act on Chemical substances and products, consolidated Act No. 21, 1996. DNKDS, 1996.	1.1.81	1/B
Dominica	I						No Data.
Ecuador	B1	POPs prohibited.		Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	Register exists		4 (pp. 38-39)
Egypt	R		Agricultural use prohibited; registration required for other purposes.	Possible public hygiene, household or human and animal pest control.	El Sayed, S.M. 1998. POPs Related Issues of Relevance to Egypt. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp 186, 189-204)
Estonia	B2	Import of chlororganic plant protection products banned. Not registered. Only registered products can be imported, marketed and used.			Roots, Ott 1998. (quoting Müür, 1996) Persistent Organic Pollutants Releases in the Baltic Sea Region. In <i>Proceedings...</i> 1998.	21/10/1967	6(p. 263)

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Ethiopia	B1	Not registered. Pesticide prohibited from manufacture and import.			Government Decree No. 20/1990. (covering pesticide registration).	1990	9 (p. 183)
Fiji Islands	B1	Not produced, not exported, imports banned in 1985			Registrar of Pesticides (M.L. Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)
Finland	B1	Use, sale prohibited(EEC)	(EEC)		Decision No. 656, 1969, FINMA, 1969. Also Helcom Recommendation 13/13 and Osparcom Recommendation 7/13/1, 1992.	1969/1992	1/B
France	B3	(EEC)	(EEC)				1/B
Gambia, The	I						No Data.
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	B1	Banned pesticide, can not be approved for any use as pesticide, products containing it are prohibited from import or use. (EEC)	(EEC) Air emissions.		Commission Directive 79/117/EWG, Helcom Recommendation 13/13 and OSPARCOM recommendation 7/13/1, 1992. Also Ordinance on the use for plant protection (Pflanzenschutz-Anwendungsverordnung).	01.03.86	1/B
Ghana	I	Inconclusive.	Inconclusive. Import, manufacture, storage, distribution, sale, use and disposal may be controlled under Pesticides Control and Management act, 1996 (Act 528).		Klufio, George M.S. 1997. Country Situation on Persistent Organic Pollutants. In <i>Proceedings...</i> 1997.		8 (pp 214-216)
Greece	B1	Date of 1972 indicated for ban of all pops, no further information provided.			No Data.	1972	2 (A. Tsatsou-Dritsa 3.2.98 rec'd 10.2.98)
Guatemala	B1	POPs prohibited.					4 (pp. 38-39)
Guinea	R		Professional license required for import and use (no production in country).		Arrêté 5714/MAEF/SGG/96	1996	2 (SF1, §1,9) T.I. Camara, rec'd 26.5.98
Hungary	I						No Data.
India	B1	Use prohibited.			Insecticides approved by the registration committee under the insecticide act 1968 and Rules 1971, GAZIN, 1992	1992	1/B
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)

Chlordane

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Iran (Islamic Republic of)	B1	Banned			Substantial Rules and Regulations Concerning Registration, Production, Transportation, Usage, Storage, Import and Export of 1967. Also Controlling and Surveillance of Poisons and Chemicals (1996).	1973	7 (pp. 243-245)
Ireland	B1	Use not permitted.			National Regs. 237, 1985 and 342, 1987	1981	3 (D. Sheridan), 2(SF1, §9)
Israel	B1	Banned					5 (p. 32)
Italy	R	Banned as plant protection product (EEC)	Other uses requires written authorization (EEC)		Application of EU Regulation 2455/92/EEC, 1992.	1992	1/B
Jamaica	B1	POPs prohibited.					4 (pp. 38-39)
Japan	B1	Manufacture, import, use prohibited without authorization. Products containing substance prohibited from import			The law concerning the examination and regulation of manufacture etc. of chemical substances. (JPNCO, 1986).	17.09.86	1/B
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	B1	All use prohibited.			Pest control products Board Decision Ref. PCPB/1/II/95 of 22/4/85.	févr.87	1/B
Korea, Republic of	S		Use allowed only as an additive in the production of industrial goods.		Regulation on the Substances subject to Ban or Restriction of Manufacture, Import, Sale and Use, 1996.KORME, No. 96-75, 1996.	01.06.96	1/B
Kuwait	B1	Banned			Shuhaibar, Bassel Y. 1998. Managing and Disposing of POPs in Kuwait, from <i>Proceedings...</i> Abu Dhabi.		5 (pp. 205, 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	I						No Data.
Latvia	B1	8 POPs are not registered, not permitted for import or usage.			Law on Plant Protection, 5 OCT94, incl. Instruction on Pesticide Registration	05.oct.94	(OSF §19)rec'd 9.10.97
Lebanon	B1	Forbidden: Import, production, use, export.			Decision of Ministry of Agriculture to Forbid Import & Production, No. 108/1 27.7.92.	27.7.92	2 (SF1, §9) rec'd 13.2.98; A.Kaskas 12.8.98

Chlordane

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Lithuania	B1	Use, production and import prohibited.			Governmental rules for production, trade, transportation and storage of dangerous chemical substances licencing, Banned and Restricted Pesticides, 1992. LTUHS, HN63, 1996	01.04.97	1/B
Luxembourg	B3	(EEC)	(EEC)	All substances are not used in Luxembourg	No regulation cited.		2 (SF1, §9) (SF2, §§1,4) Röhler (NO DATE)
Macedonia, The Former Yugoslav Republic of	B1	Use, sale, import, export, mixtures, etc. banned			SFRY Official Journal No. 43/82, art. 4 of Law on Traffic in Poisonous Substances	1982	M. Balaburski/S. Milad 21DEC1998
Madagascar	B1	Use and sale suspended.			Decree No. 6255, 1993. MDGME, Art. 1 and 2, 1993.	30.11.93	1/B
Malaysia	R		Consent (of government required); Restricted. Can be used for termite control.	Termite control.	Pesticide Act 1974, and Custom Act 1967 (Prohibition Order Import/Export 1988)	1988	7 (pp 261-262)
Mali	I		Inconclusive. See uses.	Unspecified. Regulations exist, but are "not really functional."	Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997.	nov.95	8 (p. 239).
Mauritius	S	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	No Data.	2 (V.S. Fareed) rec'd 9.12.97
Mexico	R		Application by gov't approved technicians. Used in termite control.	Termite control.	Programa de gestión Ambiental de Sustancias Tóxicas de atención prioritaria, 1997, INE, SEMARNAP.	25.06.88	1/B, 2 (SF1, §1,2,4,9)G.O. Fernandez, 27JUN98 via inet, 4 (Cartagena, p215)
Moldova, Republic of	I			Not used.			6(p. 21)
Mongolia	S	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market."	No Data.	2 (Dagva) rec'd 16.3.98
the Netherlands	B1	Use and sale prohibited(EEC)	(EEC)		Pesticides act, 1981	1981	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)

Chlordane

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
New Zealand	S	Use, manufacture, import, and sale prohibited. Other specialized use requires permit. No permits have been issued. All remaining products withdrawn, registrations cancelled.			Pesticides Board, 1989. NZLME, 1989, 1989. Also General Policy on Phase-out of Organochlorine Pesticides, NZLCB, 1970.	April 1970 & 1989	1/B
Nicaragua	B1	POPs prohibited.					4 (pp. 38-39)
Niger	B1	Not registered for use or import.			Direction Protection des Vegetaux BP323, Niancy, Niger.		2 (SF1, §9)D. Bawa rec'd 17.6.98
Nigeria	L			Widely used for treatment of timber, pre-planting treatment of seeds, and wooden rafters against termite attack.	Soyombo, R. 1998, Management of POPs in Nigeria, an Emerging National Issue. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (p. 178)
Panama	S		POPs prohibited, but used against the domestic plagues.			1997	4 (pp. 38-39)
Paraguay	I	Entry prohibited.			Resolution No. 447 of the Ministry of Agriculture and Livestock.	1993	10 (p. 272)
Peru	B1	POPs prohibited.			Register.	1991	4 (pp. 38-39)
Portugal	B3	(EEC)	(EEC)				1/B
Romania	B1	Use forbidden.			Decision No. 36 Concerning the interdiction of use of pesticides based on aldrin, dieldrin, endrin and chlordane, 1972. ROMON, No. 157, 25, 12, 1972.	1972	1/B
Russian Federation	B1	Prohibited.			Kurlyandsky, B. 1998. Top-Rated Pollutants in Russian Federation, from <i>Proceedings...(6)</i> .		6 (p. 236)
Rwanda	I						No Data.
Saint Kitts & Nevis	B1	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No Data.
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings...</i> 1997.		8 (pp. 245-246)

Chlordane

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No Data.		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.
Singapore	R		Permitted only for use in anti-termites soil treatment in areas outside water catchments. Stringent conditions apply.		Licensing controls are implemented under the Poisons Act and the Poisons (Hazardous Substances) Rules. Controls import, export, sale, storage, transport and use of hazardous chemicals.		7 (pp. 211, 213)
Slovak Republic	I						No Data.
Slovenia	B	All use prohibited.			Act on Poisons, 1991, SVNGY, No. 13, 1991.	1991	1/B
South Africa	I						No Data.
Spain	B3	(EEC)	(EEC)				1/B
Sri Lanka	R		Only for use as termiticide for building industry, and as ready for use timber protectant (consumer).	Subterranean treatment for termite control, or timber treatment.	LKAMP, 1986.	juil.86	1/B
Suriname	L			Suriname pesticide law and institutions for pesticide monitoring and control are not operational.	Monsels-Thompson, Lilian, 1998. POPs Problems, issues and Management in Surname. From Proceedings... Cartagena, Columbia, 27-30 January, 1998. (p. 225)		4 (pp. 225, 227).
Sweden	B1	Use suspended, banned (EEC)	(EEC)		Decision of Frmr Nat'l Prod. Ctrl Bd & Intrm Regs, 1985 Act on Chem Prod. SVENF, 1985:426,4,1985, National Chemicals Inspectorate's Regs on Certain Active Substances (Pesticides). Kemikalieinspektionens Föreskrifter om vissa aktiva ämnen i bekämpningsmedel. KIFS, 1994:15, 1994.	1971	1/B

Chlordane

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Switzerland	B1	Total ban: manufacture, supply, import, and use of chlordane and products containing it are prohibited.			Ordinance relating to Environmentally hazardous substances (Ordinance on Substances, OSUBST; Verordnung über umweltgefährdende stoffe (stoffverordnung, stov))1986, CHEFC, AS 1986, 1254	09.06.86	1/B
Syrian Arab Republic	S	Banned in agriculture and public health use.	No POPs are produced in Syria, import restricted to those with prior permission of a specialized committee.		Ghazalah, Samih, 1998. Legislation and Regulations in Syria about POPs	1949	5 (pp. 32, 167)
Tajikistan	I			Inconclusive. Pesticides used in agriculture with no registration.			6 (p. 21)
Tanzania, United Republic of	I		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)
Thailand	B1	Use, import prohibited			Hazardous Substances Act, 1992. THARG, 1992	1992	1/B
Togo	I						No Data.
Trinidad and Tobago	B1	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	R	Banned in agriculture and public health use.					5 (p. 32)
United Kingdom	B3	Banned for use as pesticide (EEC)	(EEC)		The control of pollution (Supply and use of injurious substances), 1992. GBRSl, No 31, 1992.	01.11.92	1/B
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)

Chlordane

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
USA	B1	Use prohibited, no viable uses.			Consolidated Heptachlor/chlordane cancellation proceedings Velsicol Chemical Co. et al. And Chlordane/Heptachlor Termiticides: Notification of Cancellation and amendment of existing stocks determination, FEREC, 53, 11798, 1988.	24.mars.78	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	I						No Data.
Vietnam	B1	(banned since 1992, no ref)			CUC Môi TRU'ÔNG (SF1, 5Jan99) National Environment Agency		"n/a" 2 (5JAN99)
Zambia	I						No Data.
Zimbabwe	I						No Data.

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 3

DIELDRIN

Dieldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	B1	Banned product.			Decree No. 87-182 of 18 August 1987. (Barkahoum, Slama Alamir 1997. Algerian Report on POPs. In <i>Proceedings...</i> 1997.)	18.août.87	8 (pp. 152, 156, 159)
Argentina	R	Prohibited for use in treatment of natural & artificial meadows, cattle, sheep, goats, swine & horses; human foodproducts of animal and plant origin.			ALEYP, 18073, 1969	27.03.69	1/B
Armenia	I						No Data.
Australia	B1	Use, import Prohibited unless specifically approved by the government. All uses discontinued, no remaining uses allowed.			Non-binding recommendations by Pesticides and Agricultural Chemicals Committee usually followed by State legislation. AUSPC 1986	Feb. 1986 (and later)	1/B
Austria	B1	All uses banned.			97th Ordinance on prohibition of Dangerous Substances in Plant Protection Products. AUTLG	20.févr.92	1/B
Bahrain	R		Use prohibited except after considering the conditions, regulations and guarantees determined by Environmental Affaris in agreement with Ministry of Health, Ministry of Works and Agriculture. Handling without permission prohibited.		Articles 10, 14 of Environmental Law of 1996, rept. By Al-Sho'ala, A.S.A., 1998. In Bahrain Experience in Controlling POPs (5)	1996	5 (p 161)
Barbados	B1	POPs prohibited.					4 (pp. 38-39)
Belarus	I	Inconclusive, insufficient data. Possibly banned.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)
Belgium	B1	No products, use, production, import, or export allowed.			List of Authorised pesticides for non-agricultural use. 1/1/97. List of Pesticides Registered for Agricultural Use. 1996; Royal Decrees 5/6/1975 and 28/2/1994.	1975, 1994	2 (SF1 §§1,9)rec'd 30.6.98

Dieldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Belize	B1	Organochlorine pesticides prohibited for import and use.			BLZPC Pesticides Control No. 32, 1985	1985	3 (p161), Alegria, Martin, Problems with Final Disposal of DDT in Belize. (p. 135) In Proceedings..., Cartagena, Colombia, 27-30 January 1998.
Benin	B1	Pesticide and products containing it banned from import and use, not exported nor produced.			Arrêté No. 0255/MDR; Arrêté Interministériel No. 040/MCAT/MDR/MSPSCF/MEHU/MF; Arrêté No. 0251/MDR; Arrêté No. 593/MDR; Arrêté No. 591/MDR; Arrêté No. 250/MDR; Arrêté Interministériel No. 335/MDR/MENRS/MEHU	1995, 1997	2 (SF1, §9) D. Houeto, rec'd 23.6.98
Bolivia	B1	Prohibited.			Prohibition of the Use of Pesticides (Ministerial Regulation dated 8/FEB/94)	08.févr.94	10 (p. 235)
Botswana	L			Legislation inadequate or lacking for import and use; chemicals marketed and used.	Serumola, O. & B. Mbongwe, Chemical Substances Management in Botswana. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (pp. 128-129)
Brazil	I			No data.			10 (p. 253)
Bulgaria	I				Not available.		2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98
Burkina Faso	B1	Banned			Ouedraogo, Desire, 1997. National Action for the Reduction of risks from POPs Pesticides in Burkina Faso. In <i>Proceedings...</i> 1997.		8 (pp. 170, 175, 177).
Cameroon	I		Inconclusive response. May be restricted or banned under Law No. 90/013 (10 August 1990) and decree No. 92/223 (25 May 1992).		Gimou, M. M. & Sama, D. A. 1997. Identification and Evaluation of POPs Pesticides in Cameroon. In <i>Proceedings...</i> 1977.		8 (pp. 185-188).
Canada	B1	Sale and use of products containing dieldrin is prohibited.			PMRA 1997; NPRI summary report 1996. CEPA. TSMP Track I Subs. (ECE)	1995	2(SF1, §2,9)
Chile	B1	Import, manufacturing, sale, distribution and use banned			Resolution 2142, Ministry of agriculture - SAG, 1987.	1987	2(SF1, §1) rec'd 21.7.98

Dieldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
China	B1	Registration, production and use as pesticide is banned.			Rules for safe use of pesticides, 1982 and guidelines for use of pesticides, 1988, 1990. CHNNS, GB8321.1-3/87-89, 1990	janv.83	1/B
Colombia	B1	Production, formulation, marketing, handling, use, import, application prohibited.			Resolution 010255 of 1993	1993	4 (Cartagena, p.241)
Democratic Congo Republic	L			Imported and used. Use not specified.	Mukonkole-Mayele, M.R. 1997. Identification of the Problems Posed by POPs Questionnaire for Participants. In <i>Proceedings...</i> 1997.		8 (pp. 189-191)
Costa Rica	B1	Use, sale, storage, transport, import and registration are prohibited.			Ministry of Agriculture, Ministry of Health and Ministry of Labour, Decree 18346-MAG S-TSS, 1988 CRILG, No. 151, 1988	08.10.88	1/B
Cote d'Ivoire	I		No data.				No Data.
Croatia	I		No data.				No Data.
Cuba	B1	Use, production and import as pesticide banned.			Resolución No.268, CUBHE, 1990	28.déc.90	1/B
Cyprus	B1	Banned for all use as pesticide. No remaining uses allowed.			Decision 18-2-88, CYPPB, 1988.	18.févr.88	1/B
Czech Republic	R		Export/Import only w/ sp. Gov't license. Use, manufacture, and sale regulated by Chief Hygenist		The decree of federal ministry of foreign trade no. 560 on conditions of giving of the official permission for export and import of goods and services SZCFR*,106 ,2762 ,1991	14.09.94	1/B
Denmark	I				Act on Chemical Substances and Products, Consolidated Act No. 21, 1996. DNKDS, 1996	01.01.1981	1/B
Dominica	I						No Data.
Ecuador	B1	Registration prohibited			ACMIN Acuerdo Ministerial No. 0242, 1985	1985	3 (201)
Egypt	B2		Agricultural use prohibited; registration required for other purposes.	Possible public hygiene, household or human and animal pest control.	El Sayed, S.M. 1998. POPs Related Issues of Relevance to Egypt. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp 186, 189-204)
Estonia	B2	Import of chlororganic plant protection products banned. Not registered. Only registered products can be imported, marketed and used.			Roots, Ott 1998. (quoting Määr, 1996) Persistent Organic Pollutants Releases in the Baltic Sea Region. In <i>Proceedings...</i> 1998.	21/10/1967	6(p. 263)

Dieldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Ethiopia	B2	Not registered. Pesticide prohibited from manufacture and import.			Government Decree No. 20/1990. (covering pesticide registration).	1990	2 (SF1 §9, rec'd 5.2.98)
Fiji Islands	B1	Not produced, not exported, imports banned in 1985			Registrar of Pesticides (M.L. Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)
Finland	B2	Sale and use of plant protection products containing dieldrin is prohibited.			Decision No. 671, 1972, FINMA, 1972. Also Helcom Recommendation 13/13 and Osparcom Recommendation 7/13/1, 1992.	1972/1992	1/B
France	B3	(EEC)	(EEC)				1/B
Gambia, The	I						No Data.
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	B2	Use, import of plant protectants or planting material containing substance prohibited. All contracting parties will phaseout the use of the substance ASAP.	Air emissions.		Commission Directive 79/117/EWG, Helcom Recommendation 13/13 and OSPARCOM recommendation 7/13/1, 1992. NMEPC 1992. Also Ordinance on the use for plant protection (Pflanzenschutz-Anwendungsverordnung).BGZBAD, I, 60, 1997	1979, 1992 & 01.02.97	2 (SF1, §3 rec'd 14.4.98), 1/B
Ghana	I	Inconclusive.	Inconclusive. Import, manufacture, storage, distribution, sale, use and disposal may be controlled under Pesticides Control and Management act, 1996 (Act 528)		Klufio, George M.S. 1997. Country Situation on Persistent Organic Pollutants. In <i>Proceedings...</i> 1997.		8 (pp 214-216)
Greece	B1	Date of 1972 indicated for ban of all pops, no further information provided.			nd	1972	2 (A. Tsatsou-Dritsa 3.2.98 rec'd 10.2.98)
Guatemala	B1	POPs prohibited.					4 (pp. 38-39)
Guinea	R		Professional license required for import and use (no production in country)	None.	Arrêté 5714/MAEF/SGG/96	1996	2 (SF1, §1,9) T.I. Camara, rec'd 26.5.98
Hungary	B1	Use as pesticide banned, no remaining uses allowed			Official Document of Withdrawal 801378/1966	1996	1/B
India	L			Must meet requirements for manufacturing, safety, storage and importation.	The manufacture, storage and import of Hazardous Chemicals Rules, 1989, GAZIN, 787, 1989.	27.11.89	1/B
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)

Dieldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Iran (Islamic Republic of)	B1	Banned			Substantial Rules and Regulations Concerning Registration, Production, Transportation, Usage, Storage, Import and Export of 1967. Also Controlling and Surveillance of Poisons and Chemicals (1996).	1973	7 (pp. 243-245)
Ireland	B1	Use not permitted.			National Regs. 237, 1985 and 342, 1987	1981	3 (D. Sheridan), 2(SF1, §9)
Israel	B1	Banned					5 (p. 32)
Italy	B2	Banned as plant protection product (EEC)	Other uses requires written authorization (EEC)		Application of EU Regulation 2455/92/EEC, 1992.	1992	1/B
Jamaica	B1	POPs prohibited.					4 (pp. 38-39)
Japan	B1	Manufacture, import, use prohibited without authorization. Products containing substance prohibited from import			The law concerning the examination and regulation of manufacture etc. of chemical substances. (JPNCO, 1981).	02.10.81	1/B
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	S		Restricted to termite control and banding of coffee trees for ants control.	Termite control and banding of coffee trees.	Pest Control Products Board Decision REF PCPB/1/II/95 of 22/4/85.	févr.87	1/B
Korea, Republic of	R		Allowed only as an additive in the production of industrial goods.	Production of industrial goods.	Regulation on the substances subject to Ban or Restriction of Manufacture, Import, Sale and Use, 1996. KORME No. 96-75, 1996.	01.06.96	1/B
Kuwait	B1	Banned			Shuhaibar, Bassel Y. 1998. Managing and Disposing of POPs in Kuwait, from <i>Proceedinas... Abu Dhabi</i> .		5 (pp. 205, 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	I	Prohibited for import.			Keomanichanh, K 1997. Pesticide Case Study from Lao People's Democratic Republic. In <i>Proceedings...</i> 1997.		7 (p. 109)
Latvia	I	8 POPs are not registered, not permitted for import or usage.			Law on Plant Protection, 5 OCT94, incl. Instruction on Pesticide Registration	05.oct.94	(OSF §19)rec'd 9.10.97
Lebanon	B1	Forbidden: Import, production, use, export.			Decision of Ministry of Agriculture to Forbid Import & Production, No. 108/1 27.7.92.	27.7.92	2 (SF1, §9) rec'd 13.2.98; A.Kaskas 12.8.98

Dieldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Lithuania	B1	Use, production, import prohibited.			Governmental rules for production, trade, transportation and storage of dangerous chemical substances licencing. Banned and Restricted Pesticides, 1996. LTUHS, HN 63, 1996.	01.04.97	1/B
Luxembourg	I			All substances are not used in Luxembourg	No regulation cited.		2 (SF1, §9) (SF2, §§1.4) Röhrler (NO DATE)
Macedonia, The Former Yugoslav Republic of	B1	Use, sale, import, export, mixtures, etc. banned			SFRY Oficial Journal No. 43/82, art. 4 of Law on Traffic in Poisonous Substances	1982	M. Balaburski/S. Milad 21DEC1998
Madagascar	B1	Use and sale suspended.			Decree No. 6255, 1993. MDGME, Art. 1 and 2, 1993.	30.11.93	1/B
Malaysia	R		Consent (of government required); Restricted. Can be used for termite control.	Termite control.	Pesticide Act 1974, and Custom Act 1967 (Prohibition Order Import/Export 1988)	1988	7 (pp 261-262)
Mali	I		Inconclusive. See uses.	Unspecified. Regulations exist, but are not really functional.	Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997.	nov.95	8 (p. 239).
Mauritius	B2	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	No data.	2 (V.S. Fareed) rec'd 9.12.97
Mexico	B1	Import, production, sale, use and formulation are prohibited			Catálogo Oficial de Plaguicidas, Comisión Intersecretarial para el Control del Proceso y Uso de Plaguicidas, Fertilizantes y Sustancias Tóxicas (CICOPLAFEST). And Ley del Impuesto General de Exportación. Diario Oficial de la Federación, 22 de diciembre de 1995.	16.janv.96	2 (SF1, §1,2,4,9)G.O. Fernandez, 27JUN98 via inet
Moldova, Republic of	I			Not used.			6(p. 21)
Mongolia	B2	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market."	No data.	2 (Dagva) rec'd 16.3.98
the Netherlands	B2	Use and sale all plant protection products prohibited(EEC)			Pesticides act, 1981	1981	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)

Dieldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
New Zealand	B1	Use, manufacture, import, and sale prohibited. Other specialized use requires permit. No permits have been issued. All remaining products withdrawn, registrations cancelled.			Pesticides Board, 1989. NZLME, 1989, 1989. Also General Policy on Phase-out of Organochlorine Pesticides, NZLCB, 1970.	April 1970 & 1989	1/B
Nicaragua	L			Imported for use with other insecticides, some exported for destruction. No information on production	Ley Básica para el Registro, Control y Uso de Sustancias Tóxicas y Peligrosas, #274, 13.2.98, Gaceta Diario Oficial #30.	1993, 1998	2 (SF1, §9), H.C. Zamora 5.5.98.
Niger	B1	Use, import prohibited			Decision Nationale 1977, Reglementation Phytosanitaire, ord. 96-008, Decret 96-68.		2 (SF1, §9)D. Bawa rec'd 17.6.98
Nigeria	L			Widely used for treatment of timber, pre-planting treatment of seeds, and wooden rafters against termite attack.	Soyombo, R. 1998, Management of POPs in Nigeria, an Emerging National Issue. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (p. 178)
Panama	B1	POPs prohibited.				1997	4 (pp. 38-39)
Paraguay	I		No data.	No data.			No data.
Peru	B1	POPs prohibited.			Register.	1991	4 (pp. 38-39)
Portugal	B3	(EEC)	(EEC)				1/B
Romania	B1	Use forbidden (pesticide).			Decision No. 36 Concerning the interdiction of use of pesticides based on aldrin, dieldrin, endrin and chlordane, 1972. ROMON, No. 157, 25, 12, 1972.	1972	1/B
Russian Federation	B1	Use as pesticide prohibited.			OSUMH	(n/a)	1/B
Rwanda	B1	Banned.		Use cannot be totally ruled out.	Karemera, F. 1998. POPs Management-Related Activities in Rwanda, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (p. 215)
Saint Kitts & Nevis	B1	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No Data.
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings...</i> 1997.		8 (pp. 245-246)

Dieldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No data.		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998 7 (pp. 211, 213)
Singapore	S	Not allowed for local use.			Licensing controls are implemented under the Poisons Act and the Poisons (Hazardous Substances) Rules. Controls import, export, sale, storage, transport and use of hazardous chemicals.		
Slovak Republic	I						No Data.
Slovenia	B1	Use prohibited.			SVNGY, No. 13, 1991	1991	1/B
South Africa	I						No Data.
Spain	B3	(EEC)	(EEC)				1/B
Sri Lanka	R	All agricultrual uses prohibited.	Restricted to use as termiticide for building industry, and for consumer use as timber protectant.	Termiticide and timber protectant.	LKAMP 1988	27.janv.88	1/B
Suriname	L			Suriname pesticide law and institutions for pesticide monitoring and control are not operational.	Monsels-Thompson, Lilian, 1998. POPs Problems, issues and Management in Surname. From Proceedings... Cartagena, Columbia, 27-30 January, 1998. (p. 225)		4 (pp. 225, 227).
Sweden	B1	Registration suspended, use banned.			Decision of Frmr Nat'l Prod. Ctrl Bd & Intrm Regs, 1985 Act on Chem Prod. SVENF, 1985:426,4,1985, National Chemicals Inspectorate's Regs on Certain Active Substances (Pesticides). Kemikalieinspektionens Föreskrifter om vissa aktiva ämnen i bekämpningsmedel. KIFS, 1994:15, 1994.	1970	1/B
Switzerland	B1	Manufacture, supplz, iimport and use of products containing it are prohibited.			Ordinance relating to Environmentally hazardous substances (Ordinance on Substances, OSUBST; Verordnung uber umweltgefahrde stoffe (stoffverordnung, stov))1986, CHEFC, AS 1986 1254	09.06.86	1/B
Syrian Arab Republic	B2	Banned in agriculture and public health use.	No POPs are produced in Syria, import restricted to those with prior permission of a specialized committee.		Ghazalah, Samih, 1998. Legislation and Regulations in Syria about POPs	1949	5 (pp. 32, 167)

Dieldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Tajikistan	L			Inconclusive. Pesticides used in agriculture with no registration.			6 (p. 21)
Tanzania, United Republic of	L		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)
Thailand	B1	Use banned.			Ministry of industry, list of Hazardous substances B.E. 2538, 1995. THARG, No. 112, 13, 1995 K. Sanda 15May98, SF1§11	01.05.95	1/B
Togo	B1	Use prohibited				n/a	2(recd 22.5.98)
Trinidad and Tobago	B1	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	B2	Banned in agriculture and public health use.					5 (p. 32)
United Kingdom	B1	Banned use as pesticide. Dieldrin & isomers red list prescribed, release in water prohibited or restricted.	Disch sewer (Trade Effluents (Prescribed Processes and Substances) Regs, 1989) restricted (subj to local ctrl) in electrolytic extraction or recovery of aluminum, paper pulp & making, textile treatment, timber animal or vegetable matter processing, metals production of specific metals and recovery processes.		The control of pollution (Supply and use of injurious substances), 1992. GBRSI, No 31, 1992. & The Environmental Protection (Prescribed processes and substances), 1991. [and others, B98/99].	01.04.91 & 22.01.92	1/B
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-existent.	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)

Dieldrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
USA	B1	Banned for all use.	(formerly restricted to termiticide).		Consolidated Aldrin/Dieldrin Hearing, 1974 and Chapman Chemical Co. Notice of intent to cancel registration 1989. FEREAC, 54, 8814, 1989.	1974, 1989	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	B1	Banned (Prohibido)			Letter from Judith Musso Quintero, Directora General Sectorial (E), ODEPRI, 4Aug98, rcd 7.9.98.		2 (SF1, §§1,2,9)
Vietnam	B1	(banned since 1992, no ref)			CUC MÔI TRU'ÔNG (SF1, 5Jan99) National Environment Agency		"n/a" 2 (5JAN99)
Zambia	I						No Data.
Zimbabwe	I			Used in control of termites.	Sithole, S. Registration and UE of Persistent Pesticides in Zimbabwe. In Proceedings...Lusaka, Zambia, 17-20 March 1998.		9 (p. 244)

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 4

DDT

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DDT

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	B1	Banned product.			Decree No. 87-182 of 18 August 1987. (Barkahoum, Slama Alamir 1997. Algerian Report on POPs. In <i>Proceedinas...</i> 1997.)	18.août.87	8 (pp. 152, 156, 159)
Argentina	B1	Use prohibited			Ryczel, M.E. 1998, National Project on POPs, in <i>Proceedings...</i> Puerto Iguazu, Argentina. 1-3 April. 1998.		10 (p. 230)
Armenia	I						No Data.
Australia	B1	Imp Prohibited 21.12.87. Use for household, lawn, vegetable pests cancelled (dates vary). No uses remain.			Non-binding recommendations by Pesticides and Agricultural Chemicals Committee usually followed by State legislation. AUSPC 1986	1986 and later	1/B
Austria	B1	Banned since 01.01.88 where food contact is possible. All uses banned 20.02.92.			205th ord. On Ban of Certain Dangerous subst. In all applic. Where food contact is possible, AUTLG, No. 205, 1987	20.2.92	1/B
Bahrain	R		Use prohibited except after considering the conditions, regulations and guarantees determined by Environmental Affairs in agreement with Ministry of Health, Ministry of Works and Agriculture. Handling without permission prohibited		Articles 10, 14 of Environmental Law of 1996, rept. By Al-Sho'ala, A.S.A., 1998. In Bahrain Experience in Controlling POPs (5)	1996	5 (p 161)
Barbados	B1	POPs prohibited.					4 (pp. 38-39)
Belarus	B1	Banned.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)
Belgium	B1	No products, use, production, import, or export allowed.			List of Authorised pesticides for non-agricultural use. 1/1/97. List of Pesticides Registered for Agricultural Use. 1996; Royal Decrees 5/6/1975 and 28/2/1994.	1975, 1994	2 (SF1 §§1,9)rec'd 30.6.98
Belize	S	Organochlorine pesticides prohibited for import and use.	DDT restricted to malarial control, use severely restricted	Malarial vector control	BLZPC Pesticides Control No. 32, 1985	1985	3 (p161), Alegria, Martin, Problems with Final Disposal of DDT in Belize. (p. 135) In <i>Proceedings...</i> , Cartagena, Colombia, 27-30 January 1998

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Benin	B1	Pesticide and products containing it banned from import and use, not exported nor produced.			Arrêté No. 0255/MDR; Arrêté Interministériel No. 040/MCAT/MDR/MSPSCF/MEHU/MF; Arrêté No. 0251/MDR; Arrêté No. 593/MDR; Arrêté No. 591/MDR; Arrêté No. 250/MDR; Arrêté Interministériel No. 335/MDR/MENRS/MEHU	1995, 1997	2 (SF1, §9) D. Houeto, rec'd 23.6.98
Bolivia	B1	Prohibited.			Prohibition of the Use of Pesticides (Ministerial Regulation dated 8/FEB/94)	08.févr.94	10 (p. 235)
Botswana	L			Legislation inadequate or lacking for import and use; chemicals marketed and used.	Serumola, O. & B. Mbongwe, Chemical Substances Management in Botswana. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (pp. 128-129)
Brazil	B1	Prohibited in Agriculture, domestic sanitation, and public health			Substancias com acao Toxicaq Sobre Animais E/Ou Plantas (Substances Toxic to animals and/or plants), BRAMH, 1, 1984, & 1998 (Ministry of Public Health prohibition)	1984, 1998	1/B, 2 (S. dS. Oliveira 11MAY98) Palestra.doc
Bulgaria	I				Not available.		2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98
Burkina Faso	B1	Banned			Ouedraogo, Desire, 1997. National Action for the Reduction of risks from POPs Pesticides in Burkina Faso. In <i>Proceedings...</i> 1997.		8 (pp. 170, 175, 177).
Cameroon	L			Importer, user of DDT.	Gimou, M. M. & Sama, D. A. 1997. Case Study on the Management of POPs: The Case of some POPs and PCBs Pesticides. In <i>Proceedings...</i> 1977.		8 (p181)
Canada	B1	Sale and use of products containing DDT is prohibited.			PMRA 1997; NPRI summary report 1996. CEPA. TSMP Track I Subs. (ECE)	1995	2(SF1, §2,9)
Chile	B1	Import, manufacturing, sale, distribution and use banned			Resolution 639, Ministry of agriculture - SAG, 1984.	1984	2(SF1, §1) rec'd 21.7.98
China	S	Prohibits use as pesticide, production, import and use without permission.	Manufacture of other chemical products. Allowed for export.	Exported.	Rules for safe use of pesticides, 1982 and guidelines for use of pesticides, 1988, 1990. CHNNS, GB8321.1-3/87-89, 1990	janv.83	1/B

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Colombia	S	Production, formulation, marketing, handling, use, import, application prohibited.	Exception: Used in vector control campaigns		Resolution 010255 of 1993	1993	4 (Cartagena, p.241)
Democratic Congo Republic	L			Imported and used. Use not specified.	Mukonkole-Mayele, M.R. 1997. Identification of the Problems Posed by POPs Questionnaire for Participants. In <i>Proceedings...</i> 1997.		8 (pp. 189-191)
Costa Rica	S	Sale, import, registration, and use in agriculture or veterinary prohibited.			Ministry of Agriculture, Ministry of Health and Ministry of Labour, Decree 18346-MAG-S-TSS, 1988 CRILG, No. 151, 1988	08.10.88	1/B
Cote d'Ivoire	I		No Data.				No Data.
Croatia	I	inconclusive response			2(SF1, §9) Z. Smit rec'd 1.5.98	n/a	2(SF1, §9) Z. Smit rec'd 1.5.98
Cuba	B1	Banned for use, production and import as a pesticide.			Resolución No.268, CUBHE, 1990	28.déc.90	1/B
Cyprus	B1	Banned for use as pesticide, no remaining uses allowed.			Decision 25/06/75. CYP PB, 1975	25.juin.75	1/B
Czech Republic	S	Manufacture and sale prohibited	Use restricted by decision of Chief hygienist. Export/Import possible only with licence from government.		Decr. Of Fed. Ministry Foreign Trade No. 560 ..., SZCZR, 56, 1785, 1994 / & Law No. 20 Coll., and Decree No. 45 Coll., 1966, CZEMH, No.45, 1966	1966, 14.09.94	1/B
Denmark	B1	Use, sale, import, for plant protection products containing DDT prohibited.			Act on Chemical substances and products, consolidated Act No. 21, 1996. DNKDS, 1996.	1.1.86	1/B
Dominica	I						No Data.
Ecuador	S		Use exemption for health reasons, otherwise prohibited.	Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	Register exists		4 (pp. 38-39)
Egypt	R		Agricultural use prohibited; registration required for other purposes.	Possible public hygiene, household or human and animal pest control.	El Sayed, S.M. 1998. POPs Related Issues of Relevance to Egypt. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp 186, 189-204)

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Estonia	B1	Import of chlororganic plant protection products banned. Not registered. Only registered products can be imported, marketed and used.			Roots, Ott 1998. (quoting Müür, 1996) Persistent Organic Pollutants Releases in the Baltic Sea Region. In <i>Proceedings...</i> 1998.	21/10/1967	6(p. 263)
Ethiopia	L			Used for malaria control	Government Decree No. 20/1990. (covering pesticide registration).	1990	2 (SF1 §9, rec'd 5.2.98)
Fiji Islands	B1	Not produced, not exported, imports banned in 1985			Registrar of Pesticides (M.L Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)
Finland	B1	Use, sale prohibited(EEC)			Decision No.503, 1976, FINMA, 1976. Also Helcom Recommendation 13/13, 1992.BMEPC, 1992.	1976 & 1992	1/B
France	B3	(EEC)	(EEC)				1/B
Gambia, The	B1	Use and import prohibited. Disposal by FAO.			National Environment Agency, Hazardous Chemicals and Pesticides Control and Management Act, 1994, GMBEA, 1994.	17.05.94	1/B
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	B1	DDT, isomers, formulations containing it prohibited from manufacture and sale, import/export, and use.			Commission Directive 79/117/EWG, Act on DDT (DDT-Gesetz), BGZBAD, I, 1416, 1994	1.7.94	1/B
Ghana	I	Inconclusive.	Inconclusive. Import, manufacture, storage, distribution, sale, use and disposal may be controlled under Pesticides Control and Management act, 1996 (Act 528)		Klufio, George M.S. 1997. Country Situation on Persistent Organic Pollutants. In <i>Proceedings...</i> 1997.		8 (pp 214-216)
Greece	B1	Date of 1972 indicated for ban of all pops, no further information provided.			nd	1972	2 (A. Tsatsou-Dritsa 3.2.98 rec'd 10.2.98)
Guatemala	S		POPs prohibited. Use exception granted for health reasons against malaria.				4 (pp. 38-39)
Guinea	R		Professional license required for import and use (no production in country)	None.	Arrêté 5714/MAEF/SGG/96	1996	2 (SF1, §1,9) T.I. Camara, rec'd 26.5.98

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Hungary	S	Banned for agricultural use.	Restricted for use as pesticide in Public Health for vector control (Malaria).	Public Health vector control (Malaria).	Official Document of Withdrawal 87142/1966.	1966	1/B
India	S	Use in agriculture withdrawn. Registration for non-government use cancelled.	Central government may purchase & use DDT for Public Health Programme in case of major epidemic outbreak, otherwise restricted.	Major epidemic outbreak (10,000 MT per annum)	Notification No. S.O. 378/(E) of 26.05.1989, Pub. Gazette of India, Extra., Part II, section 3 (II) of 26.05.1989) PP3-4[No. 17-97/86Pp1].	15.06.1989	1/B
Indonesia	R	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)
Iran (Islamic Republic of)	S		Banned, except for controlling the leishmaniasis. Super pictus anophilia and sakarauy are sensitive to DDT.	Against leishmaniasis, possibly other pests.	Substantial Rules and Regulations Concerning Registration, Production, Transportation, Usage, Storage, Import and Export of 1967. Also Controlling and Surveillance of Poisons and Chemicals (1996).	1973	7 (pp. 243-245)
Ireland	B1	Use not permitted.			National Regs. 237, 1985 and 342, 1987	1981	3 (D. Sheridan), 2(SF1, §9) 5 (p. 32)
Israel	B1	Banned					
Italy	S	Plant protection product use banned.	Other uses requires written authorization.		Application of EU Regulation 2455/92/EEC, 1992.	1992	1/B
Jamaica	B1	POPs prohibited.					4 (pp. 38-39)
Japan	B1	No unauthorized manufacture, import or use allowed. No import of any product containing DDT allowed.			The law concerning the examination and regulation of manufacture etc. of chemical substances. (JPNCO, 1981).	2.10.81	1/B
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	S		Restricted to use by Ministry of Health Only.		Pest control products Board Decision Ref. PCPB/1/II/95 of 22/4/85.	févr.87	1/B
Korea, Republic of	B1	import,manufacture, sale and use are banned.			Regulation on the Substances subject to Ban or Restriction of Manufacture, Import, Sale and Use, 1996.KORME, No. 96-75, 1996.	01.06.96	1/B, 2(SF1, §3)
Kuwait	B1	Banned			Shuhaibar, Bassel Y. 1998. Managing and Disposing of POPs in Kuwait, from <i>Proceedings... Abu Dhabi.</i>		5 (pp. 205, 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Lao, Peoples Democratic Republic	I	Prohibited for import.			Keomanichanh, K 1997. Pesticide Case Study from Lao People's Democratic Republic. In <i>Proceedings...</i> 1997.		7 (p. 109)
Latvia	B1	8 POPs are not registered, not permitted for import or usage.			Law on Plant Protection, 5 OCT94, incl. Instruction on Pesticide Registration	05.oct.94	(OSF §19)rec'd 9.10.97
Lebanon	B1	Forbidden: Import, production, use, export.			Decision of Ministry of Agriculture to Forbid Import & Production, No. 108/1 27.7.92.	27.7.92	2 (SF1, §9) rec'd 13.2.98; A.Kaskas 12.8.98
Lithuania	B1	Use, production, import prohibited.			Governmental rules for production, trade, transportation and storage of dangerous chemical substances licencing. Banned and Restricted Pesticides, 1996. LTUHS, HN 63, 1996	01.04.97	1/B
Luxembourg	B3	(EEC)	(EEC)	All substances are not used in Luxembourg	No regulation cited.		2 (SF1, §9) (SF2, §§1,4) Röhler (NO DATE)
Macedonia, The Former Yugoslav Republic of	B1	Use, sale, import, export, mixtures, etc. banned			SFRY Oficial Journal No. 43/82, art. 4 of Law on Traffic in Poisonous Substances	1982	M. Balaburski/S. Milad 21DEC1998
Madagascar	B1	Use and sale suspended.			Decree No. 6255, 1993. MDGME, Art. 1 and 2, 1993.	30.11.93	1/B
Malaysia	S		Consent (of government required); Restricted. Can be imported by Ministry of Health.	Used only indoors. For controlling malaria	Pesticide Act 1974, and Custom Act 1967 (Prohibition Order Import/Export 1988)	1988	7 (pp 261-262)
Mali	I		Inconclusive. See uses.	Unspecified. Regulations exist, but are not really functional.	Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997.	nov.95	8 (p. 239).
Mauritius	S	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	No Data.	2 (V.S. Fareed) rec'd 9.12.97
Mexico	S		Restricted to authorized use in sanitary campaigns. No import permitted. Export inconclusive.	Exclusively to combat insect vectors of tropical disease.	Programa de gestión Ambiental de Sustancias Tóxicas de atención prioritaria, 1997, INE, SEMARNAP. y Catálogo Oficial de Plaguicidas, Comisión Intersecretarial para el Control del Proceso y Uso de Plaguicidas, Fertilizantes y Sustancias Tóxicas (CICOPLAFEST).	16.janv.96	2 (SF1, §1,2,4,9)G.O. Fernandez, 27JUN98 via inet

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Moldova, Republic of Mongolia	B1	Prohibited.					6 (p. 21)
	S	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market."	No Data.	2 (Dagva) rec'd 16.3.98
the Netherlands	B2	Use and sale all plant protection products prohibited(EEC)	(EEC)		Pesticides act, 1981	1981	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)
New Zealand	B1	Use, manufacture, import, and sale prohibited. Other specialized use requires permit. No permits have been issued. All remaining products withdrawn, registrations cancelled.			Pesticides Board, 1989. NZLME, 1989, 1989. Also General Policy on Phase-out of Organochlorine Pesticides, NZLCB, 1970.	April 1970 & 1989	1/B
Nicaragua	B1	Prohibited 5.8.93			4, Vaughan, Mario A. 1998. Latin American and Caribbean Case Studies on Persistent Organic Pollutants: DDT, Toxaphene, and Endosulfan in Nicaragua. From Proceedings... Cartagena, Columbia, 27-30 January, 1998	5.8.93	4 (Cartagena, p206).
Niger	B1	Not registered for import or use	2 (SF1, §9)D. Bawa rec'd 17.6.98	Used in fighting agricultural pests and for public health	Ord. No. 96-008, decree 96-68 of 21.03.1996	21.mars.96	2 (SF1, §9)D. Bawa rec'd 17.6.98
Nigeria	L			Widely used for treatment of timber, pre-planting treatment of seeds, and wooden rafters against termite attack.	Soyombo, R. 1998, Management of POPs in Nigeria, an Emerging National Issue. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (p. 178)
Panama Paraguay	B1	POPs prohibited.				1997	4 (pp. 38-39)
	I	Entry prohibited.			Resolution No. 447 of the Ministry of Agriculture and Livestock.	1993	10 (p. 272)
Peru	S		POPs prohibited. DDT use exemption for public health service.		Register.	1991	4 (pp. 38-39)

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Portugal	B3	(EEC)	(EEC)				1/B
Romania	R	Use forbidden.			Order No. 20 Forbidding the Use of Organochlorinate Pesticides based on DDT and Technical HCH, 1985. ROMON, No. 42, 38, 8, 1985.	1985	1/B
Russian Federation	S	Use and production as agricultural pesticide forbidden.			OSUMH, 1970; KGTXP, 1981	1970 & 1981	1/B
Rwanda	B1	Use and import banned.		Mosquito control, weevils in grain.	No citation. (SF1, §§1,2,3,9)	n/a	2 (SF1, §§1,2,3,9) F. Karemera, I. Bizimana rec'd 5.1.99
Saint Kitts & Nevis	B1	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	B1	Banned in 1993			T.A.S. Aveau 27 APR98	1993	2 (15.6.98)
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings...</i> 1997.		8 (pp. 245-246)
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No Data.		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998
Singapore	B1	Not allowed for "local use."			Licensing controls are implemented under the Poisons Act and the Poisons (Hazardous Substances) Rules. Controls import, export, sale, storage, transport and use of hazardous chemicals		7 (pp. 211, 213)
Slovak Republic	S	Banned for production, agricultural use, export			Ordinance of the Government of the Slovak Republic Nr. 255/73	1.1.76	2 (21APR98, SF1, §§2, 9)
Slovenia	R	Prohibited to use in phytopharmaceutical agents.			Act on Poisons, 1996 and 1997, SVNGS, No. 35, 1997	1996	1/B
South Africa	S			Not used for agriculture. Only used for indoor malaria control. Phase out anticipated.	Scott, W.E., 1998. Malaria Control & DDT, In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (p. 138)
Spain	B3	(EEC)	(EEC)				1/B

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Sri Lanka	B1	Use as pesticide and in vector control banned, no remaining uses allowed.			LKAMP, 1984	17.sept.84	1/B
Suriname	L			Suriname pesticide law and institutions for pesticide monitoring and control are not operational.	Monsels-Thompson, Lilian, 1998. POPs Problems, issues and Management in Suriname. From Proceedings... Cartagena, Columbia, 27-30 January, 1998. (p. 225)		4 (pp. 225, 227).
Sweden	B2	All use as pesticide banned.	"The remaining use was in forestry against a beetle that attacked pine and spruce seedlings, continued on case-by-case dispensation until 1975. No further information.		Decision of Fmr Nat'l Prod. Ctrl Bd & Intrm Regs, 1985 Act on Chem Prod. SVENF, 1985:426,4,1985, National Chemicals Inspectorate's Regs on Certain Active Substances (Pesticides). Kemikalieinspektionens Föreskrifter om vissa aktiva ämnen i bekämpningsmedel. KIFS, 1994:15, 1994. & Managing POPs in Sweden, Wahlström, In Proceedings... Bangkok, Thailand, 25-28 Nov. 1998.	1974	1/B, 4 (Cartagena p.218), 7 (p. 195).
Switzerland	B1	Prohibits use, manufacture, import, storage of DDT & products containing it.			Ordinance relating to Environmentally hazardous substances (Ordinance on Substances, OSUBST; Verordnung uber umweltgefahrde stoffe (stoffverordnung, stov))1986, CHEFC, AS 1995, 5505, 1995	09.06.86	1/B
Syrian Arab Republic	B2	Banned in agriculture and public health use.	No POPs are produced in Syria, import restricted to those with prior permission of a specialized committee.		Ghazalah, Samih, 1998. Legislation and Regulations in Syria about POPs	1949	5 (pp. 32, 167)
Tajikistan	I			Inconclusive. Pesticides used in agriculture with no registration.			6 (p. 21)
Tanzania, United Republic of	I		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in Proceedings... Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Thailand	B1	DDT has been banned.			Ministry of industry, list of Hazardous substances B.E. 2538, 1995. THARG, No. 112, 13, 1995	01.05.95	1/B
Togo	B1	Use prohibited			K. Sanda 15May98, SF1§11	n/a	2(recd 22.5.98)
Trinidad and Tobago	B1	POPs prohibited.			Reglementation for import and registration in process for pesticides; Order of Parliament 1994	1994	4 (pp. 38-39); 10 (p. 287)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	B2	Banned in agriculture and public health use.					5 (p. 32)
United Kingdom	B1	Banned use as pesticide. DDT & isomers red list prescribed, release in water prohibited or restricted.	Disch sewer (Trade Effluents (Prescribed Processes and Substances) Regs, 1989) restricted (subj to local ctrl) in electrolytic extraction or recovery of aluminum, paper pulp & making, textile treatment, timber animal or vegetable matter processing, metals production of specific metals and recovery processes.		The control of pollution (Supply and use of injurious substances), 1992. GBRSl, No 31, 1992. & The Environmental Protection (Controls on injurious substances), 1992. [and others, B68/69].	01.11.92	1/B
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-existent.	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)
USA	B1	Banned for use, (shade trees, tobacco, home & aquatic 1969; crop, comm. Plant, wood prod, building 1970; remaining products/metabolites 04.01.73) no remaining uses allowed.			Federal Insecticide, Fungicide and Rodenticide Act, 1972. FEREAC, 37, 13369, 1972.	07.jul.72	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	S	Banned (Prohibido)	Restricted to the use for the campaign against malaria and dengue.		Letter from Judith Musso Quintero, Directora General Sectorial (E), ODEPRI, 4Aug98, rcd 7.9.98.		2 (SF1, §§1.2.9); 4 (pp. 38-39)
Vietnam	B1	(banned since 1992, no ref)		Used in agricultural pest control	CUC MÔI TRU'ỒNG (SF1, 5Jan99) National Environment Agency		"n/a" 2 (5JAN99)

DDT

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Zambia	I						No Data.
Zimbabwe	I				Sithole, S. Registration and UE of Persistent Pesticides in Zimbabwe. In Proceedings...Lusaka, Zambia, 17-20 March 1998.		9 (p. 244)

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 5

ENDRIN

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	B1	Banned product.			Decree No. 87-182 of 18 August 1987. (Barkahoum, Slama Alamir 1997. Algerian Report on POPs. In <i>Proceedings...</i> 1997.)	18.août.87	8 (pp. 152, 156, 159)
Argentina	B1	Prohibited.			Ryczel, M.E. 1998, National Project on POPs, in <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April, 1998.		10 (p. 230)
Armenia	I						No Data.
Australia	B1	Import prohibited without specific government approval. All uses cancelled, no remaining uses allowed.			AUSPC, 1986	févr.86	1/B
Austria	B1	All uses Banned.			97th Ordinance on Prohibition of Dangerous Substances in Plant Protection Products. AUTLG, No. 97, 1992	20.févr.92	1/B
Bahrain	B1		Use prohibited except after considering the conditions, regulations and guarantees determined by Environmental Affaris in agreement with Ministry of Health, Ministry of Works and Agriculture. Handling without permission prohibited		Articles 10, 14 of Environmental Law of 1996, rept. By Al-Sho'ala, A.S.A., 1998. In Bahrain Experience in Controlling POPs (5)	1996	5 (p 161)
Barbados	B1	POPs prohibited.					4 (pp. 38-39)
Belarus	B2	Inconclusive, insufficient data. Possibly banned.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)
Belgium	B1	No products, use, production, import, or export allowed.			List of Authorised pesticides for non-agricultural use. 1/1/97. List of Pesticides Registered for Agricultural Use. 1996; Royal Decrees 5/6/1975 and 28/2/1994.	1975, 1994	2 (SF1 §§1,9)rec'd 30.6.98
Belize	B1	Organochlorine pesticides prohibited for import and use.			BLZPC Pesticides Control No. 32, 1985	1985	3 (p161), Alegria, Martin, Problems with Final Disposal of DDT in Belize. (p. 135) In <i>Proceedings...</i> , Cartagena, Colombia, 27-30 January 1998.

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Benin	B1	Pesticide and products containing it banned from import and use, not exported nor produced.			Arrêté No. 0255/MDR; Arrêté Interministériel No. 040/MCAT/MDR/MSPSCF/MEHU/MF; Arrêté No. 0251/MDR; Arrêté No. 593/MDR; Arrêté No. 591/MDR; Arrêté No. 250/MDR; Arrêté Interministériel No. 335/MDR/MENRS/MEHU	1995, 1997	2 (SF1, §9) D. Houeto, rec'd 23.6.98
Bolivia	I			No Data.	No Data.		10 (p. 235)
Botswana	L			Legislation inadequate or lacking for import and use; chemicals marketed and used.	Serumola, O. & B. Mbongwe, Chemical Substances Management in Botswana. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (pp. 128-129)
Brazil	B2	Not authorized for use in domestic sanitation & Agricultural use, trade and distribution prohibited			[Substancias com Acao Toxica Sobre Animais e/ou Plantas (Substances toxic to animals and/or plants) BRAMH, 1, 1984 ?], & Decree No. 329 - Use in Agriculture, 1985, BRAMA, No. 329, 1985.	1984 & 1985	1/B
Bulgaria	I				n/a		2(SF1, §9) (SF2, §§1.4) rc'd 6.1.98
Burkina Faso	I		Inconclusive. Possibly regulated under Law No. 41/96/ADB (8 November 1996) or Law No. 002/94/ADB (19 January 1994).		Ouedraogo, Desire, 1997. National Action for the Reduction of risks from POPs Pesticides in Burkina Faso. In <i>Proceedings...</i> 1997.		8 (pp. 170, 175, 177).
Cameroon	I		Inconclusive response. May be restricted or banned under Law No. 90/013 (10 August 1990) and decree No. 92/223 (25 May 1992).		Gimou, M. M. & Sama, D. A. 1997. Identification and Evaluation of POPs Pesticides in Cameroon. In <i>Proceedings...</i> 1977.		8 (pp. 185-188).
Canada	B1	Sale and use of products containing endrin is prohibited.			PMRA 1997; NPRI summary report 1996. CEPA. TSMP Track I Subs. (ECE)	1995	2(SF1, §2,9)
Chile	B1	Import, manufacturing, sale, distribution and use banned			Resolution 2142, Ministry of agriculture - SAG, 1987.	1987	(SF1, §1) rec'd 21.7.98
China	B2	Banned for registration, sale, and use as pesticide. No production, import/export allowed without permission.			Rules for Safe Use of Pesticides, 1982 and Guidelines for Use of Pesticides, 1988, 1990. CHNNS, GB8321.1-3/87-89	janv.83	1/B
Colombia	B1	POPs prohibited.					4 (pp. 38-39)
Democratic Congo	I						No Data.
Costa Rica	B1	Registration, formulation, sale, import, transport, storage and use are prohibited			Ministry of Agriculture and Ministry of Health, Decree 19447- MAG-S, 1990. CRILG, No. 26, 1990.	06.02.90	1/B
Cote d'Ivoire	I		No Data.				No Data.
Croatia	I		No Data.				No Data.

Endrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Cuba	B1	Use, production and import as pesticide banned.			Resolución No. 268, CUBHE, 1990.	28.déc.90	1/B
Cyprus	B1	Banned for use as pesticide, no remaining uses allowed.			Decision 08/12/1980, CYPPB, 1980	déc.80	1/B
Czech Republic	R		Export/Import only w/ sp. Gov't license. Use, manufacture, and sale regulated by Chief Hygenist		Decree of Fed. Ministry of Foreign Trade No. 560 ... SZCZR, 56, 1785, 1994. & Law No. 20 Coll., on Pub Hlth and Decree No. 45 Coll., on Development and Protection of Healthy Living Conditions 1966. CZEMH, No. 45, 1966.	1966 & 14.09.94	1/B
Denmark	B2	All import, sale, and use for plant protection products containing endrin prohibited. (EEC)	(EEC)		Act on Chemical substances and products, consolidated Act No. 21, 1996. DNKDS, 1996.	1.1.91	1/B
Dominica	I						nd
Ecuador	B1	POPs prohibited.		Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	Register exists		4 (pp. 38-39)
Egypt	B2		Agricultural use prohibited; registration required for other purposes.	Possible public hygiene, household or human and animal pest control.	El Sayed, S.M. 1998. POPs Related Issues of Relevance to Egypt. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp 186, 189-204)
Estonia	B2	Import of chlororganic plant protection products banned. Not registered. Only registered products can be imported, marketed and used.			Roots, Ott 1998. (quoting Müür, 1996) Persistent Organic Pollutants Releases in the Baltic Sea Region. In <i>Proceedings...</i> 1998.	21/10/1967	6(p. 263)
Ethiopia	B2	Not registered. Pesticide prohibited from manufacture and import.			Government Decree No. 20/1990. (covering pesticide registration).	1990	9 (p. 183)
Fiji Islands	I						No Data.
Finland	B2	Use, sale prohibited(EEC)	(EEC)		Decision No. 656, 1969, FINMA, 1969. Also Helcom Recommendation 13/13 and Osparcom Recommendation 7/13/1, 1992.	1969/1992	1/B
France	B3	(EEC)	(EEC)				1/B
Gambia, The	I						No Data.
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	B1	Banned pesticide, can not be approved for any use as pesticide, products containing it are prohibited from import or use. (EEC)	(EEC)		Commission Directive 79/117/EWG, Helcom Recommendation 13/13 and OSPARCOM recommendation 7/13/1, 1992. Also Ordinance on the use for plant protection (Pflanzenschutz-Anwendungsverordnung).	1979, 1992	2 (SF1, §3 rec'd 14.4.98), 1/B

Endrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Ghana	I	Inconclusive.	Inconclusive. Import, manufacture, storage, distribution, sale, use and disposal may be controlled under Pesticides Control and Management act, 1996 (Act 528)		Klufio, George M.S. 1997. Country Situation on Persistent Organic Pollutants. In <i>Proceedings...</i> 1997.		8 (pp 214-216)
Greece	B1	Date of 1972 indicated for ban of all pops, no citation, no information provided.			No Data.	1972	2 (A. Tsatsou-Dritsa 3.2.98 rec'd 10.2.98)
Guatemala	B1	POPs prohibited.					4 (pp. 38-39)
Guinea	R		Professional license required for import and use (no production in country)	None.	Arrêté 5714/MAEF/SGG/96	1996	2 (SF1, §1,9) T.I. Camara, rec'd 26.5.98 No Data.
Hungary	I						
India	R		Hazard assessment, preventive measures, worker notification, notification of authorities, plans, emergency release notification, import notification required for manufacture, storage, import.		The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989. Gazin, 787, 1989.	1989	1/B
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)
Iran (Islamic Republic of)	B1	Banned			Substantial Rules and Regulations Concerning Registration, Production, Transportation, Usage, Storage, Import and Export of 1967. Also Controlling and Surveillance of Poisons and Chemicals (1996).	1973	7 (pp. 243-245)
Ireland	B1	Use not permitted.	(EEC)		National Regs. 237, 1985 and 342, 1987	1981	3 (D. Sheridan), 2(SF1, §9)
Israel	B1	Banned					5 (p. 32)
Italy	B2	Banned as plant protection product (EEC)			Application of EU Regulation 2455/92/EEC, 1992.	1992	1/B
Jamaica	B1	POPs prohibited.					4 (pp. 38-39)
Japan	B2	Manufacturing, import, use (requires authorization). No import of product containing substance.	(requires authorization)		The law concerning the examination and regulation of manufacture etc. of chemical substances. JPNCO 1981.	02.10.81	1/B
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	B1	All use prohibited.			Pest control products Board Decision Ref. PCPB/1/II/95 of 22/4/85.	févr.87	1/B

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Korea, Republic of	S		Allowed only as additive in production of industrial goods.	Additive in production of industrial goods.	Regulation on the Substances Subject to Ban or Restriction of Manufacture, Import, Sale and Use, 1996. KORME, No. 96-75. 1996.	1996	1/B
Kuwait	B1	Banned			Shuhaibar, Bassel Y. 1998. Managing and Disposing of POPs in Kuwait, from <i>Proceedings... Abu Dhabi</i> .		5 (pp. 205, 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	R	Prohibited for import.			Keomanichanh, K 1997. Pesticide Case Study from Lao People's Democratic Republic. In <i>Proceedings...</i> 1997.		7 (p. 109)
Latvia	B2	8 POPs are not registered, not permitted for import or usage.			Law on Plant Protection, 5 OCT94, incl. Instruction on Pesticide Registration	05.oct.94	(OSF §19)rec'd 9.10.97
Lebanon	B1	Forbidden: Import, production, use, export.			Decision of Ministry of Agriculture to Forbid Import & Production, No. 108/1 27.7.92.	27.7.92	2 (SF1, §9) rec'd 13.2.98; A.Kaskas 12.8.98 1/B
Lithuania	I		Not regulated except for ADI		Not applicable.		
Luxembourg	B3	(EEC)	(EEC)	All substances are not used in Luxembourg	No regulation cited.		2 (SF1, §9) (SF2, §§1,4) Röhrler (NO DATE)
Macedonia, The Former Yugoslav Republic of	B2	Use, sale, export, mixtures, etc. banned; see import restriction below.	Import allowed with special permission from Ministry of Health. No import has been employed to date.		SFRY Official Journal No. 43/82, art. 4 of Law on Traffic in Poisonous Substances	1982	M. Balaburski/S. Milad 21DEC1998
Madagascar	B1	Use and sale suspended.			Decree No. 6255, 1993. MDGME, Art. 1 and 2, 1993	30.11.93	2(SF1, §9)
Malaysia	L			Unregulated POPs			7 (pp 261-262)
Mali	I		Inconclusive. See uses.	Unspecified. Regulations exist, but are not really functional.	Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997.	nov.95	8 (p. 239).
Mauritius	S	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	No Data.	2 (V.S. Fareed) rec'd 9.12.97
Mexico	B1	Import, production, sale, use and formulation are prohibited			Catálogo Oficial de Plaguicidas, Comisión Intersecretarial para el Control del Proceso y Uso de Plaguicidas, Fertilizantes y Sustancias Tóxicas (CICOPLAFEST). And Ley del Impuesto General de Exportación. Diario Oficial de la Federación, 22 de diciembre de 1995.	16.janv.96	2 (SF1, §1,2,4,9)G.O. Fernandez, 27JUN98 via inet
Moldova, Republic	I			Not used.			6(p. 21)
Mongolia	S	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market."	No Data.	2 (Dagva) rec'd 16.3.98

Endrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
the Netherlands	B1	Use, sale, all plant protection products containing endrin prohibited			Pesticides Act, 1981	1981	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal. Pesticides Board, 1989. NZLME, 1989, 1989. Also General Policy on Phase-out of Organochlorine Pesticides, NZLCB, 1970.		7 (pp. 203-210)
New Zealand	B1	Use, manufacture, import, and sale prohibited. Other specialized use requires permit. No permits have been issued. All remaining products withdrawn, registrations cancelled.				April 1970 & 1989	1/B
Nicaragua	L			Imported for use with other insecticides, some exported for destruction. No information on production.	Ley Básica para el Registro, Control y Uso de Sustancias Tóxicas y Peligrosas, #274, 13.2.98, Gaceta Diario Oficial #30.	1993, 1998	2 (SF1, §9), H.C. Zamora 5.5.98.
Niger	I	Inconclusive response	Inconclusive response.		Loi Phyto. Procedure ICP, 1994/1996	1996	2 (SF1, §9)D. Bawa rec'd 17.6.98
Nigeria	I		No Data.		No Data.		No Data.
Panama	B1	POPs prohibited.				1997	4 (pp. 38-39)
Paraguay	B1	Entry prohibited.			Resolution No. 447 of the Ministry of Agriculture and Livestock. Register.	1993	10 (p. 272)
Peru	B1	POPs prohibited.				1991	4 (pp. 38-39)
Portugal	B3	(EEC)	(EEC)				1/B
Romania	B1	Use forbidden.			Decision No. 36 Concerning the interdiction of use of pesticides based on aldrin, dieldrin, endrin and chlordane, 1972. ROMON, No. 157, 25, 12, 1972.	1972	1/B
Russian Federation	B2	Not approved for use as pesticide.			OSUMH		1/B
Rwanda	I						No Data.
Saint Kitts & Nevis	B1	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No Data.
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedinas...</i> 1997.		8 (pp. 245-246)

Endrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No Data.		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998 7 (pp. 211, 213)
Singapore	B1	Not allowed for local use.			Licensing controls are implemented under the Poisons Act and the Poisons (Hazardous Substances) Rules. Controls import, export, sale, storage, transport and use of hazardous chemicals.		
Slovak Republic	I						No Data.
Slovenia	R	Prohibited to use in phytopharmaceutical agents.			Act on Poisons, 1996 and 1997, SVNGS, No. 35, 1997	1996/1997	1/B
South Africa	I						No Data.
Spain	B3	(EEC)	(EEC)				1/B
Sri Lanka	B1	Use as pesticide banned, no remaining uses allowed.			LKAMP, 1984	17.sept.84	1/B
Suriname	L			Suriname pesticide law and institutions for pesticide monitoring and control are not operational.	Monsels-Thompson, Lilian, 1998. POPs Problems, issues and Management in Suriname. From <i>Proceedings...</i> Cartagena, Columbia, 27-30 January, 1998. (p. 225)		4 (pp. 225, 227).
Sweden	B1	Use suspended, banned (EEC)	(EEC)		Decision of Fmr Nat'l Prod. Ctrl Bd & Intrm Regs, 1985 Act on Chem Prod. SVENF, 1985:426,4,1985, National Chemicals Inspectorate's Regs on Certain Active Substances (Pesticides). <i>Kemikalieinspektionens Föreskrifter om vissa aktiva ämnen i bekämpningsmedel.</i> KIFS, 1994:15, 1994.	1966	1/B, 4 (Cartagena, p218)
Switzerland	B1	Manufacture, supply, import and use of endrin & products containing it are prohibited.			Ordinance relating to Environmentally hazardous substances (Ordinance on Substances, OSUBST; Verordnung über umweltgefährdende stoffe (stoffverordnung, stov))1986, CHEFC, AS 1986, 1254	09.06.86	1/B
Syrian Arab Republic	B2	Banned in agriculture and public health use.	No POPs are produced in Syria, import restricted to those with prior permission of a specialized committee.		Ghazalah, Samih, 1998. Legislation and Regulations in Syria about POPs	1949	5 (pp. 32, 167)
Tajikistan	L			Inconclusive. Pesticides used in agriculture with no registration.			6 (p. 21)

Endrin

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Tanzania, United Republic of	L.		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)
Thailand	B1	Use banned.			Ministry of industry, list of Hazardous substances B.E. 2538, 1995. THARG, No. 112, 13, 1995	01.05.95	1/B
Togo	B1	Use prohibited			K. Sanda 15May98, SF1§11	n/a	2(recd 22.5.98)
Trinidad and Tobago	B1	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	B2	Banned in agriculture and public health use.					5 (p. 32)
United Kingdom	B2	Banned use as pesticide. Endrin & isomers red list prescribed, release in water prohibited or restricted.	Disch sewer (Trade Effluents (Prescribed Processes and Substances) Regs, 1989) restricted (subj to local ctrl) in electrolytic extraction or recovery of aluminum, paper pulp & making, textile treatment, timber animal or vegetable matter processing, metals production of specific metals and recovery processes.		The control of pollution (Supply and use of injurious substances), 1992. GBRSI, No 31, 1992. & The Environmental Protection (Prescribed processes and substances), 1991. [and others, B138/139]	01.04.91 & 01.01.92 & 1.1.86	1/B
Uruguay	S		Severly restricted. Revoked for all agronomic use except parakeet control. Sale only with authorization from Plant Protection Direction.	Parakeet control.	Resolution of Plant Protection Direction of May 19, 1988.	19.mai.88	10 (p. 120)
USA	B1	Use voluntarily cancelled, no remaining uses allowed.			Endrin: intent to cancel registrations and denial of applications for registration of pesticide products containing endrin, and statement of reasons. FEREAC, 44, 43631, 1979	25.juil.79	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	I						No Data.
Vietnam	B1	(banned since 1992, no ref)			CUC M&i TRU'ÔNG (SF1, 5Jan99) National Environment Agency		"n/a" 2 (5JAN99)
Zambia	I						No Data.
Zimbabwe	I						No Data.

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 6

HEPTACHLOR

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Heptachlor

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	B1	Banned product.			Decree No. 87-182 of 18 August 1987. (Barkahoum, Slama Alamir 1997. Algerian Report on POPs. In <i>Proceedinas...</i> 1997.)	18.août.87	8 (pp. 152, 156, 159)
Argentina	R	Following uses prohibited: as tucuricide (glow-worm killer); in cultivation, commerce and industrial processing of tobacco; as antiweevil agent on seeds and their products intended for human and animal consumption, on feed, in treatment of natural and artificial meadows, as external parasiticide			ADECA, 649; ADISS, 80, 1971; ADISS, 47, 1972, ADECG 2678, 1969, ALEYP, 18073, 1969; ADECA, 2143, 1968.	21.02.68, 20.12.71, 01.06.72, 10.06.69, 01.05.68	1/B
Armenia	I						No Data.
Australia	R	Import prohibited except with sp. Gov't approval.	Restriction by Gov't approval for uses (below)	Protection of buildings from termite attack, and control of funnel ants in sugar-cane north of Tully, Q1D.	PACC recommendations implemented (usually) by states. Dates vary. AUSPC, 1985	févr.85	1/B
Austria	B1	All uses banned as of 20.02.92.			97th Ordinance on prohibition of dangerous substances in plant protection products. AUTLG, No. 97, 1992.	1992	1/B
Bahrain	R		Use prohibited except after considering the conditions, regulations and guarantees determined by Environmental Affaris in agreement with Ministry of Health, Ministry of Works and Agriculture. Handling without permission prohibited		Articles 10, 14 of Environmental Law of 1996, rept. By Al-Sho'ala, A.S.A., 1998. In Bahrain Experience in Controlling POPs (5)	1996	5 (p 161)
Barbados	B1	POPs prohibited.					4 (pp. 38-39)
Belarus	I	Inconclusive, insufficient data. Possibly banned.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)

Heptachlor

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Belgium	B1	No products, use, production, import, or export allowed.			List of Authorised pesticides for non-agricultural use. 1/1/97. List of Pesticides Registered for Agricultural Use. 1996; Royal Decrees 5/6/1975 and 28/2/1994. BLZPC Pesticides Control No. 32, 1985	1975, 1994	2 (SF1 §§1,9)rec'd 30.6.98
Belize	B1	Organochlorine pesticides prohibited for import and use.				1985	3 (p161), Alegria, Martin, Problems with Final Disposal of DDT in Belize. (p. 135) In Proceedings..., Cartagena, Colombia, 27-30 January 1998.
Benin	B1	Pesticide and products containing it banned from import and use, not exported nor produced.			Arrêté No. 0255/MDR; Arrêté Interministériel No. 040/MCAT/MDR/MSPSCF/MEHU/MF; Arrêté No. 0251/MDR; Arrêté No. 593/MDR; Arrêté No. 591/MDR; Arrêté No. 250/MDR; Arrêté Interministériel No. 335/MDR/MENRS/MEHU	1995, 1997	2 (SF1, §9) D. Houeto, rec'd 23.6.98
Bolivia	B1	Prohibited.			Prohibition of the Use of Pesticides (Ministerial Regulation dated 8/FEB/94)	08.févr.94	10 (p. 235)
Botswana	L			Legislation inadequate or lacking for import and use; chemicals marketed and used.	Serumola, O. & B. Mbongwe, Chemical Substances Management in Botswana. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (pp. 128-129)
Brazil	B2	Use in domestic sanitation not authorized (1984), agricultural use, trade and distribution prohibited (1985)			[Substancias com Acao Toxicas Sobre Animais e/ou Plantas (Substances toxic to animals and/or plants) BRAMH, 1, 1984], & Decree No. 329 - Use in Agriculture, 1985, BRAMA, No. 329, 1985. Not available.	1984 & 1985	1/B
Bulgaria	I						2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98
Burkina Faso	B1	Banned			Ouedraogo, Desire, 1997. National Action for the Reduction of risks from POPs Pesticides in Burkina Faso. In <i>Proceedinas...</i> 1997.		8 (pp. 170, 175, 177).

Heptachlor

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Cameroon	I		Inconclusive response. May be restricted or banned under Law No. 90/013 (10 August 1990) and decree No. 92/223 (25 Mav 1992).		Gimou, M. M. & Sama, D. A. 1997. Identification and Evaluation of POPs Pesticides in Cameroon. In <i>Proceedinas...</i> 1977.		8 (pp. 185-188).
Canada	B1	Sale and use of products containing heptachlor is prohibited.			PMRA 1997; NPRI summary report 1996. CEPA. TSMP Track I Subs. (ECE)	1995	2(SF1, §2,9)
Chile	B1	Import, manufacturing, sale, distribution and use banned			Resolution 2142, Ministry of agriculture - SAG, 1987.	1987	2(SF1, §1) rec'd 21.7.98
China	B1	Banned for registration, production and use as a pesticide. No remaining uses allowed. No import/export or usage allowed without permission.			Rules for Safe Use of Pesticides, 1982 and Guidelines for use of pesticides, 1988, 1990. CHNNS, GB8321.1-3/87-89, 1990	janv.83	1/B
Colombia	B1	Production, formulation, marketing, handling, use, import, application prohibited.			Resolution 010255 of 1993	1993	4 (Cartagena, p.241)
Democratic Congo Republic	L			Imported and used. Use not specified.	Mukonkole-Mayele, M.R. 1997. Identification of the Problems Posed by POPs Questionnaire for Participants. In <i>Proceedinas...</i> 1997.		8 (pp. 189-191)
Costa Rica	B1	Registration, production, import, transport, storage, sale and use in agriculture, veterinary or domestic use are prohibited.			Ministry of Agriculture and Ministry of Health, Decree 20184-MAG-S, 1991. CRILG, No. 17, 1991.	24.01.91	1/B
Cote d'Ivoire	I		No Data				No Data.
Croatia	I						No Data.
Cuba	R	Banned for use, production and import as a pesticide.			Resolución No.268, CUBHE, 1990	28.déc.90	1/B
Cyprus	B1	Banned as a pesticide. No remaining uses allowed.			CYPPB, 1980	déc.80	1/B
Czech Republic	R		Use may be regulated by decision of Chief hygienist. Export/Import possible only with licence from government.		Decr. Of Fed. Ministry Foreign Trade No. 560 ..., SZCZR, 56, 1785, 1994 / & Law No. 20 Coll., and Decree No. 45 Coll.. 1966. CZEMH. No.45. 1966	1966, 14.09.94	1/B
Denmark	B2	Use, sale, import, for plant protection products containing heptachlor prohibited.			Act on Chemical substances and products, consolidated Act No. 21, 1996. DNKDS, 1996.	1.10.84	1/B
Dominica	I						No Data.

Heptachlor

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Ecuador	B1	POPs prohibited.		Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	Register exists		4 (pp. 38-39)
Egypt	R		Agricultural use prohibited; registration required for other purposes.	Possible public hygiene, household or human and animal pest control.	El Sayed, S.M. 1998. POPs Related Issues of Relevance to Egypt. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp 186, 189-204)
Estonia	B1	Import of chlororganic plant protection products banned. Not registered. Only registered products can be imported, marketed and used.			Roots, Ott 1998. (quoting Müür, 1996) Persistent Organic Pollutants Releases in the Baltic Sea Region. In <i>Proceedings...</i> 1998.	21/10/1967	6(p. 263)
Ethiopia	B1	Not registered. Pesticide prohibited from manufacture and import.			Government Decree No. 20/1990. (covering pesticide registration).	1990	9 (p. 183)
Fiji Islands	B1	Not produced, not exported, not registered for use			Registrar of Pesticides (M.L. Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)
Finland	R	Use prohibited, Helcom recommendation 13/13: "Banned Pesticide" cannot be approved for any use as pesticide by governmental action			Helcom Recommendation 13/13, 1992. BMEPC 1992.	1992	1/B
France	B3	(EEC)	(EEC)				1/B
Gambia, The	I						No Data.
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	B2	Use, import of plant protectants or planting material containing substance prohibited. All contracting parties will phaseout the use of the substance ASAP.			Commission Directive 79/117/EWG, Helcom Recommendation 13/13. Also Ordinance on the use for plant protection (Pflanzenschutz-Anwendungsverordnung).BGZBAD, I, 60 1997	1979, 1992 & 01.02.97	2 (SF1, §3 rec'd 14.4.98), 1/B

Heptachlor

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Ghana	I	Inconclusive.	Inconclusive. Import, manufacture, storage, distribution, sale, use and disposal may be controlled under Pesticides Control and Management act, 1996 (Act 528)		Klufio, George M.S. 1997. Country Situation on Persistent Organic Pollutants. In <i>Proceedings...</i> 1997.		8 (pp 214-216)
Greece	B1	Date of 1972 indicated for ban of all pops, no further information provided.		nd		1972	2 (A. Tsatsou-Dritsa 3.2.98 rec'd 10.2.98)
Guatemala	B1	POPs prohibited.					4 (pp. 38-39)
Guinea	R		Professional license required for import and use (no production in country)	None.	Arrêté 5714/MAEF/SGG/96	1996	2 (SF1, §1,9) T.I. Camara, rec'd 26.5.98
Hungary	I						No Data.
India	R		Hazard assessment, preventive measures, worker notification, notification of authorities, plans, emergency release notification, import notification required for manufacture, storage, import.		Pest control productions board decision ref. PCPB/1/II/95 of 22/4/85 KENPC, 1985 & The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989. Gazin, 787, 1989.	Feb 1987 & 27.11.89	1/B
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)
Iran (Islamic Republic of)	B1	Banned			Substantial Rules and Regulations Concerning Registration, Production, Transportation, Usage, Storage, Import and Export of 1967. Also Controlling and Surveillance of Poisons and Chemicals (1996)	1973	7 (pp. 243-245)
Ireland	B1	Use not permitted.			National Regs. 237, 1985 and 342, 1987	1981	3 (D. Sheridan), 2(SF1, §9)
Israel	B1	Banned					5 (p. 32)
Italy	B2	Use as plant protection product is banned. For other uses a written authorization is required.			Application of EU Regulation 2455/92/EEC, 1992. ITAMH, 1992.	1992	1/B
Jamaica	B1	POPs prohibited.					4 (pp. 38-39)
Japan	I		Designated as Deleterious substance.		Poisonous and Deleterious Substances Control Law. JPPDL	janv.65	1/B
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	B1	Total Ban of the pesticide. (Agricultural & Pesticide Use), Production banned, import only for testing and research, export banned.			Pest Control Products Board Decision Ref. PCPB/1/II/95 of 22/4/85. KENPC 1985.	févr.87	1/B

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Korea, Republic of	R		Allowed only as an additive in the production of industrial goods.	Production of industrial goods.	Regulation on the substances subject to Ban or Restriction of Manufacture, Import, Sale and Use, 1996. KORME No. 96-75. 1996.	01.06.96	1/B
Kuwait	B1	Banned			Shuhaibar, Bassel Y. 1998. Managing and Disposing of POPs in Kuwait, from <i>Proceedings... Abu Dhabi</i> .		5 (pp. 205, 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	R	Prohibited for import.			Keomanichanh, K 1997. Pesticide Case Study from Lao People's Democratic Republic. In <i>Proceedings...</i> 1997.		7 (p. 109)
Latvia	I	8 POPs are not registered, not permitted for import or usage.			Law on Plant Protection, 5 OCT94, incl. Instruction on Pesticide Registration	05.oct.94	(OSF §19)rec'd 9.10.97
Lebanon	B1	Forbidden: Import, production, use, export.			Decision of Ministry of Agriculture to Forbid Import & Production, No. 108/1 27.7.92.	27.7.92	2 (SF1, §9) rec'd 13.2.98; A.Kaskas 12.8.98
Lithuania	B1	Use, production, import prohibited.			Governmental rules for production, trade, transportation and storage of dangerous chemical substances licencing. Banned and Restricted Pesticides, 1996. LTUHS, HN 63, 1996.	01.04.97	1/B
Luxembourg	I			All substances are not used in Luxembourg	No regulation cited.		2 (SF1, §9) (SF2, §§1,4) Röhlér (NO DATE)
Macedonia, The Former Yugoslav Republic of	B1	Use, sale, import, export, mixtures, etc. banned			SFRY Official Journal No. 43/82, art. 4 of Law on Traffic in Poisonous Substances	1982	M. Balaburski/S. Milad 21DEC1998
Madagascar	S		Use and sale severely restricted.	n/a	Decree No. 6255, 1993. MDGME, Art. 1 and 2, 1993.	30.11.93	1/B
Malaysia	B1	Banned.			Pesticide Act 1974, and Custom Act 1967 (Prohibition Order Import/Export 1988)	1988	7 (pp 261-262)
Mali	I		Inconclusive. See uses.	Unspecified. Regulations exist, but are not really functional.	Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997.	nov.95	8 (p. 239).
Mauritius	S	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	No Data	2 (V.S. Fareed) rec'd 9.12.97

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Mexico	R	Import and export prohibited	Restricted Agricultural use for maize and sorghum. Import prohibited. MPLs on disposal.	Maize and sorghum. Production information not available, export information inconclusive.	Registro interno en la direccion general de sanidad y proteccion agropecuaria y forestal sarh (Int. Register of Gen. Direction of Hlth & protection for Ag. & Forestry. & Ley del Impuesto General de Importacion, Diario Oficial de la Federacion del 18DEC1995 & Ley del Impuesto General de Exportacion, Diario Ofi... de 22DEC95 & others.	1988	1/B, 2 (SF1, §1,2,4,9)G.O. Fernandez, 27JUN98 via inet
Moldova, Republic of	I			Not used.			6 (p. 21)
Mongolia	B2	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market." Pesticides act, 1981	No Data	2 (Dagva) rec'd 16.3.98
the Netherlands	B1	Banned for use and sale.				1981	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)
New Zealand	B1	Use, manufacture, import, and sale prohibited. Other specialized use requires permit. No permits have been issued. All remaining products withdrawn, registrations cancelled.			Pesticides Board, 1989. NZLME, 1989, 1989. Also General Policy on Phase-out of Organochlorine Pesticides, NZLCB, 1970.	April 1970 & 1989	1/B
Nicaragua	B1	POPs prohibited.					4 (pp. 38-39)
Niger	I	Inconclusive response	Inconclusive response	Produced for export and anti-parasite treatment	Direction Protection des Vegetaux BP323, Niancy, Niger. & Procedure ICP, Loi phytosanitaire	1996	2 (SF1, §3,9)D. Bawa rec'd 17.6.98
Nigeria	L			Widely used for treatment of timber, pre-planting treatment of seeds, and wooden rafters against termite attack.	Soyombo, R. 1998, Management of POPs in Nigeria, an Emerging National Issue. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (p. 178)
Panama	B1	POPs prohibited.				1997	4 (pp. 38-39)
Paraguay	R	Entry prohibited.			Resolution No. 447 of the Ministry of Agriculture and Livestock.	1993	10 (p. 272)

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Peru	B1	POPs prohibited.			Register.	1991	4 (pp. 38-39)
Portugal	B3	(EEC)	(EEC)				1/B
Romania	B1	Production, trade and/or use are forbidden.			Order No. ___ Forbidding the Use of Organochlorinate Pesticides based on Heptachlor. 1990. ROMON. 1990. MDUPP, 2823-83, 1983; SCHSB, Supl-4, 1982; OSUMH, 21 Mar 1986	1990	1/B
Russian Federation	R	Prohibited for use in agriculture, and in all food and feed products				1986	1/B
Rwanda	I						No Data.
Saint Kitts & Nevis	B1	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No Data.
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings...</i> 1997.		8 (pp. 245-246)
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No Data		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.
Singapore	R	Not allowed for local use.			Licensing controls are implemented under the Poisons Act and the Poisons (Hazardous Substances) Rules. Controls import, export, sale, storage, transport and use of hazardous chemicals		7 (pp. 211, 213)
Slovak Republic	I						No Data.
Slovenia	B2	Use prohibited			Act on Poisons, 1992, SVNGY, No. 13, 1991	1991	1/B
South Africa	I						No Data.
Spain	B3	(EEC)	(EEC)				1/B
Sri Lanka	B1	Banned for use as pesticide and termiticide, deregistered, with no remaining uses allowed.			LKAMP, 1986	juil.86	1/B

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Suriname	L			Suriname pesticide law and institutions for pesticide monitoring and control are not operational.	Monsels-Thompson, Lilian, 1998. POPs Problems, issues and Management in Suriname. From Proceedings... Cartagena, Columbia, 27-30 January, 1998. (p. 225)		4 (pp. 225, 227).
Sweden	B3	Never used (registered) in Sweden			Wahlström, Bo, 1998. Managing POPs in Sweden. From Proceedings... Cartagena, Columbia, 27-30 January, 1998.		4 (Cartagena, p218)
Switzerland	B1	Manufacture, supply, import and use of heptachlor and products containing it are prohibited.			Ordinance relating to Environmentally hazardous substances (Ordinance on Substances, OSUBST; Verordnung uber umweltgefährdende stoffe (stoffverordnung, stov))1986, CHEFC, AS 1995, 1254, 1995	09.06.86	1/B
Syrian Arab Republic	B2	Banned in agriculture and public health use.	No POPs are produced in Syria, import restricted to those with prior permission of a specialized committee.		Ghazalah, Samih, 1998. Legislation and Regulations in Syria about POPs	1949	5 (pp. 32, 167)
Tajikistan	I			Inconclusive. Pesticides used in agriculture with no registration.			6 (p. 21)
Tanzania, United Republic of	I		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)
Thailand	B1	Heptachlor has been banned.			Ministry of industry, list of Hazardous substances B.E. 2538, 1995. THARG, No. 112, 13, 1995	01.05.95	1/B
Togo	L			Unrestricted.	K. Sanda 15May98, SF1§11	n/a	2(recd 22.5.98)
Trinidad and Tobago	B1	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	B1	Banned in agriculture and public health use.					5 (p. 32)

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
United Kingdom	B1	Banned for use as pesticide.			The control of pollution (supply and use of injurious substances), 1986 and the Environmental Protection (Controls on Injurious Substances), 1992. GBRSI, No. 31, 1992	1.1.92	1/B
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-existent.	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)
USA	S		The only remaining use in the US is the control of fire ants in power transformers.	Control of fire ants in power transformers.	Consolidated Heptachlor/Chlordane Cancellation proceedings, FEREC, 43, 12372, 1978	24.mars.78	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	B1	Banned (Prohibido)			Letter from Judith Musso Quintero, Directora General Sectorial (E), ODEPRI, 4Aug98, rcd 7.9.98.		2 (SF1, §§1,2,9)
Vietnam	B1	(banned since 1992, no ref)			CUC MÔI TRU'ÔNG (SF1, 5Jan99) National Environment Agency		"n/a" 2 (5JAN99)
Zambia	I						No Data.
Zimbabwe	I						No Data.

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 7

HEXACHLOROBENZENE

HCB (Hexachlorobenzene)

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	B1	Banned product.			Decree No. 87-182 of 18 August 1987. (Barkahoum, Slama Alamir 1997. Algerian Report on POPs. In <i>Proceedings...</i> 1997.)	18.aout.87	8 (pp. 152, 156, 159)
Argentina	R	Prohibited for use as: antiweevil agent on seeds and products for human and animal consumption, scabicide in sheep in parts of the province of buenos aires, external parasiticide. Fungicides and seed dressings subject to expropriation.	Addition of rodamin to HCB (4:15) required.	Specific prohibitions.	ADISS, 47, 1972; ARESA, 21, 1963; Aleya, 20316, 1973; Adiss, 35, 1972; Adeca, 2143, 1968	1.6.72; 19.03.63; 11.05.73; 20.03.72; 30.03.73; 30.04.68	1/B
Armenia	I						No Data.
Australia	B1	Import prohibited without sp. Govt approval. All uses cancelled, no remaining uses allowed.			PSC 39. AUSPC, 1985	nov.85	1/B
Austria	B1	All uses banned 20.02.92.			97th Ordinance on prohibition of Dangerous Substances in Plant Protection Products. AUTLG, No. 97, 1992	20.févr.92	1/B
Bahrain	S		Use prohibited except after considering the conditions, regulations and guarantees determined by Environmental Affaris in agreement with Ministry of Health, Ministry of Works and Agriculture. Handling without permission prohibited.		Articles 10, 14 of Environmental Law of 1996, rept. By Al-Sho'ala, A.S.A., 1998. In Bahrain Experience in Controlling POPs (5)	1996	5 (p 161)
Barbados	B1	POPs prohibited.					4 (pp. 38-39)
Belarus	I	Inconclusive, insufficient data. Possibly banned.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)
Belgium	I						No Data.
Belize	B2	Organochlorine pesticides prohibited for import and use.			BLZPC Pesticides Control No. 32, 1985	1985	3 (p161), Alegria, Martin, Problems with Final Disposal of DDT in Belize. (p. 135) In <i>Proceedings...</i> , Cartagena, Colombia, 27-30 January 1998.
Benin	L				No regulations exist.		2 (SF2, §4) D. Houeto, rec'd 23.6.98

HCB (Hexachlorobenzene)

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Bolivia	I			No Data.	No Data.		10 (p. 235)
Botswana	L			Legislation inadequate or lacking for import and use; chemicals marketed and used.	Serumola, O. & B. Mbongwe, Chemical Substances Management in Botswana. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (pp. 128-129)
Brazil	B2	Agricultural use, trade and distribution prohibited.			Decree No. 329 - Use in Agriculture, 1985, BRAMA, No. 329, 1985.	1985	1/B
Bulgaria	I				Not applicable		2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98
Burkina Faso	I	PENDING	Inconclusive. Possibly regulated under Law No. 41/96/ADB (8 November 1996) or Law No. 002/94/ADB (19 January 1994).	Imported, used for insecticide manufacture, agriculture, public health and by consumers	Ouedraogo, Desire, 1997. National Action for the Reduction of risks from POPs Pesticides in Burkina Faso. In <i>Proceedings...</i> 1997.		8 (pp. 170, 175, 177).
Cameroon	I		Inconclusive response. May be restricted or banned under Law No. 90/013 (10 August 1990) and decree No. 92/223 (25 May 1992).		Gimou, M. M. & Sama, D. A. 1997. Identification and Evaluation of POPs Pesticides in Cameroon. In <i>Proceedings...</i> 1977.		8 (pp. 185-188).
Canada	B1	Sale and use of products containing HCB is prohibited.			PMRA 1997; NPRI summary report 1996. CEPA. TSMP Track I Subs. (ECE)	1995	2(SF1, §2,9)
Chile	B1	Not used: not registered, not imported, manufactured or marketed.			Paratori, C. 1998. Persistent Organic Pollutants, Chile: Current Situation. In <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		2(SF1, §1) rec'd 21.7.98; 10 (p. 240)
China	R		No production, import/export or usage allowed without permission. HCB: "no plan is suggested for the instance to control the use and release of this POP."	See restriction comment.	Rules for Safe Use of Pesticides, 1982 and Guidelines for use of Pesticides, 1988, 1990. CHNNW, GB8321.1-3/87-89, 1990.	Jan 1983.	1/B
Colombia	B1	Production, formulation, marketing, handling, use, import, application prohibited.			Resolution 010255 of 1993	1993	4 (Cartagena, p.241)
Democratic Congo Republic	I						No Data.

HCB (Hexachlorobenzene)

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Costa Rica	L			Not specifically forbidden; LAW 5395 (General Health Law) and LAW 7664 (Phytosanitary Law) use is not authorized in practice.	2(R.C. Cordoba DSTMT-CISQ-069-97) rec'd 10.12.97	n/a	2(R.C. Cordoba DSTMT-CISQ-069-97) rec'd 10.12.97
Cote d'Ivoire	I		No Data.				No Data.
Croatia	I		No Data.				No Data.
Cuba	I						No Data.
Cyprus	B2	Banned as a pesticide.	Severely restricted.		2 (SF1, §3) J. Melitrouides rec'd 15.6.98	n/a	2 (SF1, §9) (SF2, §§1,4)
Czech Republic	R		Export/Import only w/ sp. Gov't license. Use, manufacture, and sale regulated by Chief Hygenist		Decree of Fed. Ministry of Foreign Trade No. 560 ... SZCZR, 56, 1785, 1994. & Law No. 20 Coll., on Pub Hlth and Decree No. 45 Coll., on Development and Protection of Healthy Living Conditions 1966. CZEMH, No. 45, 1966.	1966 & 14.09.94	1/B
Denmark	B2	All import, sale, and use for plant protection products containing HCB prohibited. (EEC)	(EEC)		Act on Chemical substances and products, consolidated Act No. 21, 1996. DNKDS, 1996.	1.1.81	1/B
Dominica	I						No Data.
Ecuador	B1	POPs prohibited.		Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	Register exists		4 (pp. 38-39)
Egypt	I						No Data.
Estonia	S	Import of chlororganic plant protection products banned. Not registered. Only registered products can be imported, marketed and used.			Roots, Ott 1998. (quoting Müür, 1996) Persistent Organic Pollutants Releases in the Baltic Sea Region. In <i>Proceedings...</i> 1998.	21/10/1967	6(p. 263)
Ethiopia	B2	Not registered. Pesticide prohibited from manufacture and import.			Government Decree No. 20/1990. (covering pesticide registration).	1990	9 (p. 183)

HCB (Hexachlorobenzene)

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Fiji Islands	B1	Not produced, not exported, imports banned in 1985			Registrar of Pesticides (M.L. Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)
Finland	B1	No production, import or export of the substance. Sale and use prohibited since 1972.			Esa Nikunen, Finnish Environment Institute (no legal citation).	1972	1/B, 2 (SF1, §9, rec'd 10MAR98)
France	B3	(EEC)	(EEC)				1/B
Gambia, The	I						No Data.
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	B2	Plant protectants consisting of or containing it may not be used. Import of planting material containing it prohibited.			Commission Directive 79/117/EWG, Ordinance on the use for plant protection (Pflanzenschutz-Anwendungsverordnung). BGZBAD, I, 60, 1997	01.02.97	1/B
Ghana	I	Inconclusive.	Inconclusive. Import, manufacture, storage, distribution, sale, use and disposal may be controlled under Pesticides Control and Management act, 1996 (Act 528)		Klufio, George M.S. 1997. Country Situation on Persistent Organic Pollutants. In <i>Proceedings...</i> 1997.		8 (pp 214-216)
Greece	B1	Date of 1972 indicated for ban of all pops, no citation, no information provided.			No Data.	1972	2 (A. Tsatsou-Dritsa 3.2.98 rec'd 10.2.98)
Guatemala	B1	POPs prohibited.					4 (pp. 38-39)
Guinea	R		Professional license required for import and use (no production in country)	None.	Arrêté 5714/MAEF/SGG/96	1996	2 (SF1, §1,9) T.I. Camara, rec'd 26.5.98
Hungary	I						No Data.
India	I						No Data.
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)
Iran (Islamic Republic of)	I						No Data.
Ireland	B1	Use notpermitted.			National Regs. 237, 1985 and 342, 1987	1981	3 (D. Sheridan), 2(SF1, §9)
Israel	B1	Banned					5 (p. 32)
Italy	B2	Banned as plant protection product (EEC), import not permitted.			Decision of "Consiglio Superiore Di Sanita", 1978. ITAMH, 1978	1992	1/B
Jamaica	B1	POPs prohibited.					4 (pp. 38-39)

HCB (Hexachlorobenzene)

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Japan	B2	Manufacturing, import, use require authorization. No import of product containing substance.	Requires authorization.		The law concerning the examination and regulation of manufacture etc. of chemical substances. JPNCO 1979.	14.08.79	1/B
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	I						No Data.
Korea, Republic of	S		Use allowed only as an additive in the production of industrial goods.		Regulation on the Substances subject to Ban or Restriction of Manufacture, Import, Sale and Use, 1996.KORME, No. 96-75, 1996.	01.06.96	1/B
Kuwait	B1	Banned			Shuhaibar, Bassel Y. 1998. Managing and Disposing of POPs in Kuwait, from <i>Proceedings... Abu Dhabi</i> .		5 (pp. 205, 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	I						No Data.
Latvia	B2	8 POPs are not registered, not permitted for import or usage.			Law on Plant Protection, 5 OCT94, incl. Instruction on Pesticide Registration	05.oct.94	(OSF §19)rec'd 9.10.97
Lebanon	B2	All POPs are completely banned in Agriculture and Public Health use.			Bou-Habib, H. & N. Kodeih, 1998. POPs Situation and perspectives in Lebanon. From <i>Proceedings... (5)</i> , Abu Dhabi.	20.mai.98	5 (pp. 79, 32)
Lithuania	B1	Use, manufacturing, imp prohibited.			Governmental rules for production, trade, transportation and storage of dangerous chemical substances licencing. Banned and Restricted Pesticides, 1996. LTUHS, HN 63, 1996.	01.04.97	1/B
Luxembourg	I			All substances are not used in Luxembourg	No regulation cited.		2 (SF1, §9) (SF2, §§1,4) Röhler (NO DATE)
Macedonia, The Former Yugoslav Republic of	B2	Use, sale, import, export, mixtures, etc. banned			SFRY Oficial Journal No. 43/82, art. 4 of Law on Traffic in Poisonous Substances	1982	M. Balaburski/S. Milad 21DEC1998
Madagascar	B1	Use and Sale Suspended.			Decree No. 6255, 1993. MDGME, Art. 1 and 2, 1993	30.11.93	1/B
Malaysia	L			Unregulated POPs			7 (pp 261-262)

HCB (Hexachlorobenzene)

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Mali	I		Inconclusive. See uses.	Unspecified. Regulations exist, but are not really functional.	Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997.	nov.95	8 (p. 239).
Mauritius	B2	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	No Data.	2 (V.S. Fareed) rec'd 9.12.97
Mexico	B2	Use and sale prohibited. (see restrictions and uses).	Import is controlled.	Production information not provided. Export of product regulated generically.	Catálogo Oficial de Plaguicidas, Comisión Intersecretarial para el Control del Proceso y Uso de Plaguicidas, Fertilizantes y Sustancias Tóxicas (CICOPLAFEST). And Ley del Impuesto General de Exportación. Diario Oficial de la Federación, 22 de diciembre de 1995.	16.janv.96	2 (SF1, §1,2,4,9)G.O. Fernandez, 27JUN98 via inet
Moldova, Republic of	I			Not used.			6(p. 21)
Mongolia	B2	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market."	No Data.	2 (Dagva) rec'd 16.3.98
the Netherlands	B1	Use and sale prohibited(EEC)	(EEC)		Pesticides act, 1973	1973	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)
New Zealand	B2	Use, manufacture, import, and sale prohibited. Other specialized use requires permit. No permits have been issued. All remaining products withdrawn, registrations cancelled.			Pesticides Board, 1989. NZLME, 1989, 1989. Also General Policy on Phase-out of Organochlorine Pesticides, NZLCB, 1970.	April 1970 & 1989	1/B
Nicaragua	B1	POPs prohibited.					4 (pp. 38-39)
Niger	B1	Not registered for use or import.			Direction Protection des Vegetaux BP323, Niancy, Niger.		2 (SF1, §9)D. Bawa rec'd 17.6.98
Nigeria	I		No Data.				No Data.
Panama	B1	POPs prohibited.				1997	4 (pp. 38-39)
Paraguay	B1	Entry prohibited.			Resolution No. 447 of the Ministry of Agriculture and Livestock.	1993	10 (p. 272)
Peru	B1	POPs prohibited.			Peru Register.	1991	4 (pp. 38-39)
Portugal	B3	(EEC)	(EEC)				1/B

HCB (Hexachlorobenzene)

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Romania	B1	Production, Trade and/or use of HCB are forbidden.			Order No. 88 Forbidding the Use of Organochlorinate Pesticides based on Heptachlor, 1988. ROMON, 1988.	1990	1/B
Russian Federation	B2	Prohibited for use as pesticide.	Restricted (limits) in all food and feed products, exp/import Approved for seed Treatment. Application dose and treatment conditions are specified.	Seed treatment.	OSUMH, 21 Mar 86; MDUPP, 2823-83, 1983. SCHSB, 1986-90, 1987.	01 Jan 1986, Jun 1983, Apr 1981.	1/B
Rwanda	I				n/a		SF1 submitted.
Saint Kitts & Nevis	B1	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No Data.
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings...</i> 1997.		8 (pp. 245-246)
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No Data.		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.
Singapore	B1	Not allowed for local use.			Licensing controls are implemented under the Poisons Act and the Poisons (Hazardous Substances) Rules. Controls import, export, sale, storage, transport and use of hazardous chemicals.		7 (pp. 211, 213)
Slovak Republic	S		Restricted for use only for seed dressing and in combination with other fungicides	Restricted for use only for seed dressing and in combination with other fungicides	(L. Rosival 4MAR98)		2 (L. Rosival 4MAR98) SF1§§1, 9
Slovenia	B1	All use prohibited.			Act on Poisons, 1991, SVNGY, No. 13, 1991.	1991	1/B
South Africa	I						No Data.
Spain	B3	(EEC)	(EEC)				1/B
Sri Lanka	I						No Data.

HCB (Hexachlorobenzene)

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Suriname	L			Suriname pesticide law and institutions for pesticide monitoring and control are not operational.	Monsels-Thompson, Lilian, 1998. POPs Problems, issues and Management in Suriname. From Proceedings... Cartagena, Columbia, 27-30 January, 1998. (p. 225)		4 (pp. 225, 227).
Sweden	S		Voluntarily withdrawn from market. Used in the manufacture of graphite electrodes.	Voluntarily withdrawn from market. Used in the manufacture of graphite electrodes.	Decision of Fmr Nat'l Prod. Ctrl Bd & Intrm Regs, 1985 Act on Chem Prod. SVENF, 1985:426,4,1985, National Chemicals Inspectorate's Regs on Certain Active Substances (Pesticides). Kemikalieinspektionens Föreskrifter om vissa aktiva ämnen i bekämpningsmedel. KIFS, 1994:15, 1994. Wahlström, Bo, 1998. Alternatives to Persistent Organic Pollutants. From Proceedings... Cartagena, Columbia, 27-30 January, 1998.	1980	1/B, 4 (p. 258)
Switzerland	B1	Manufacture, supply, import and use of HCB & products prohibited.			Ordinance relating to Environmentally hazardous substances (Ordinance on Substances, OSUBST; Verordnung uber umweltgefährdende stoffe (stoffverordnung, stov))1986, CHEFC, AS 1986, 1254	09.06.86	1/B
Syrian Arab Republic	B2	Banned in agriculture and public health use.	No POPs are produced in Syria, import restricted to those with prior permission of a specialized committee.		Ghazalah, Samih, 1998. Legislation and Regulations in Syria about POPs	1949	5 (pp. 32, 167)
Tajikistan	I			Inconclusive. Pesticides used in agriculture with no registration.			6 (p. 21)
Tanzania, United Republic of	I		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)
Thailand	B1	Use banned.			Ministry of industry, list of Hazardous substances B.E. 2538, 1995. THARG, No. 112. 13, 1995	01.05.95	1/B
Togo	I						No Data.
Trinidad and Tobago	B1	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)

HCB (Hexachlorobenzene)

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirat	B2	Banned in agriculture and public health use.					5 (p. 32)
United Kingdom	B2	Banned use as pesticide. HCB red list prescribed, release in water prohibited or restricted.			The control of pollution (Supply and use of injurious substances), 1992. GBRSI, No 31, 1992. & The Environmental Protection (Controls on injurious substances), 1992. & The Environmental Protection (Prescribed processes and substances), 1991. [and others, B138/139]	1992, 1991	1/B
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-existent.	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)
USA	B2	Use voluntarily withdrawn of HCB and all product registrations in which HCB was used (1984). No registered pesticides with HCB as an active ingredient. It appears as a contaminant in five registered pesticides.	Release exceeding reportable quantity requires notification. Disposal as acute hazardous waste.		Exposure Assessment for Hexachlorobenzene, Office of Pesticide and Toxic Substances. FEREAC, 51, 56015, 1986. & RCRA-Resource and Conservation Recovery Act; CFRUS, 40, 261, 33, 1990.		1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	B1	Banned (Prohibido)			Letter from Judith Musso Quintero, Directora General Sectorial (E), ODEPRI, 4Aug98, rcd 7.9.98.		2 (SF1, §§1,2,9)
Vietnam	B1	Banned since 1992, no reference.			CUC Mõl TRU'Õ'NG (SF1, 5Jan99) National Environment Agency		"n/a" 2 (5JAN99)
Zambia	I						No Data.
Zimbabwe	I						No Data.

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 8

MIREX

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Mirex

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	B1	Banned product.			Decree No. 87-182 of 18 August 1987. (Barkahoum, Slama Alamir 1997. Algerian Report on POPs. In <i>Proceedings...</i> 1997.)	18.août.87	8 (pp. 152, 156, 159)
Argentina	L			Authorized for hormicides	Ryczel, M.E. 1998, National Project on POPs, in <i>Proceedings...</i> Puerto Iguazu, Argentina. 1-3 April. 1998.		10 (p. 230)
Armenia	I						No Data.
Australia	S		Remaining stocks of mirex to be used only for contained baits for termites in plantations of young trees in the Northern Territory, until stocks run out.	Termite bait.	Harrison, Stanford, 1997. Organochlorines in Australia. In <i>Proceedings...</i> 1997.	nov.97	7 (p. 101)
Austria	I						No Data.
Bahrain	R		Use prohibited except after considering the conditions, regulations and guarantees determined by Environmental Affaris in agreement with Ministry of Health, Ministry of Works and Agriculture. Handling without permission prohibited		Articles 10, 14 of Environmental Law of 1996, rept. By Al-Sho'ala, A.S.A., 1998. In Bahrain Experience in Controlling POPs (5)	1996	5 (p 161)
Barbados	B1	POPs prohibited.					4 (pp. 38-39)
Belarus	I	Inconclusive, insufficient data. Possibly banned.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)
Belgium	B1	No products, use, production, import, or export allowed.			List of Authorised pesticides for non-agricultural use. 1/1/97. List of Pesticides Registered for Agricultural Use. 1996; Royal Decrees 5/6/1975 and 28/2/1994.	1975, 1994	2 (SF1 §§1,9)rec'd 30.6.98
Belize	B1	Organochlorine pesticides prohibited for import and use.			BLZPC Pesticides Control No. 32, 1985	1985	3 (p161), Alegria, Martin, Problems with Final Disposal of DDT in Belize. (p. 135) In <i>Proceedings...</i> , Cartagena, Colombia, 27-30 January 1998.

Mirex

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Benin	B1	Pesticide and products containing it banned from import and use, not exported nor produced.			Arrêté No. 0255/MDR; Arrêté Interministériel No. 040/MCAT/MDR/MSPSCF/MEHU/MF; Arrêté No. 0251/MDR; Arrêté No. 593/MDR; Arrêté No. 591/MDR; Arrêté No. 250/MDR; Arrêté Interministériel No. 335/MDR/MENRS/MEHU	1995, 1997	2 (SF1, §9) D. Houeto, rec'd 23.6.98
Bolivia	L			Registered for use. (Register No. 1357/23/07/96-2001), of Brazilian origin	Official Registry of Agrochemicals (ministry of Agriculture, Livestock, and Rural Development, dated 30 SEP 97).		10 (p. 235)
Botswana	L			Legislation inadequate or lacking for import and use; chemicals marketed and used.	Serumola, O. & B. Mbongwe, Chemical Substances Management in Botswana. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (pp. 128-129)
Brazil	S		Agricultural use, trade and distribution prohibited.	Used for ant control	Decree No. 329 - Use in Agriculture, 1985 BRAMA, No 329, 1985.	1985	1/B, 2 (S. dS. Oliveira 11MAY98) Palestra.doc
Bulgaria	I				Not available.		2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98
Burkina Faso	I		Inconclusive. Possibly regulated under Law No. 41/96/ADB (8 November 1996) or Law No. 002/94/ADB (19 January 1994).				
Cameroon	I		Inconclusive response. May be restricted or banned under Law No. 90/013 (10 August 1990) and decree No. 92/223 (25 May 1992).		Gimou, M. M. & Sama, D. A. 1997. Identification and Evaluation of POPs Pesticides in Cameroon. In <i>Proceedings...</i> 1977.		8 (pp. 185-188).
Canada	S	Never registered as pesticide; exp/import, manufacture, use, processing, sale, offer for sale for any comm., mfg, or processing use.	Export/Import prohibited except for destruction or complying with ministerial directive. Meets criteria for Track 1; "Should be virtually eliminated from the environment."	Has been used as fire retardant in commercial products	Mirex Regulations, 1989, CDN Env. Prot. Act. CAGAAK, 124, 5, 778, 1990; PMRA 1997. NPRI Summary Report 1996. TSMP 1997.	15.02.90	1/B
Chile	B1	Not used: not registered, not imported, manufactured or marketed.			Paratori, C. 1998. Persistent Organic Pollutants, Chile: Current Situation. In <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		2(SF1, §1) rec'd 21.7.98; 10 (p. 240)

Mirex

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
China	S	No production, import/export nor usage allowed without permission.			Rules for Safe Use of Pesticides, 1982 and Guidelines for use of pesticides, 1988, 1990. CHNNS, GB8321.1-3/87-89, 1990	janv.83	1/B
Colombia	B1	POPs prohibited.					4 (pp. 38-39)
Democratic Congo Republic	I						No Data.
Costa Rica	L			Not specifically forbidden; LAW 5395 (General Health Law) and LAW 7664 (Phytosanitary Law) use is not authorized in practice.	2(R.C. Cordoba DSTMT-CISQ-069-97) rec'd 10.12.97	n/a	2(R.C. Cordoba DSTMT-CISQ-069-97) rec'd 10.12.97
Cote d'Ivoire	I		No Data.				No Data.
Croatia	I						No Data.
Cuba	I						No Data.
Cyprus	I				Draft regulations under the Dangerous Substances Laws of 1991 and 1997 are under discussion, covering class, pack, label, import, manu, use, sto, transp of dangerous substances	n/a	2 (SF1, §9) (SF2, §§1.4)
Czech Republic	I		Use may be regulated by decision of Chief hygienist.		Law No. 20 Coll. On Pub. Hlth, and Decree No. 45 Coll. On the Development and protection of healthy living conditions, 1966, CZEMH, No.45, 1966	1966	1/B
Denmark	I						No Data. (form 1 submitted)
Dominica	I						No Data.
Ecuador	B1	POPs prohibited.		Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	Register exists		4 (pp. 38-39)

Mirex

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Egypt	S		Agricultural use prohibited; registration required for other purposes.	Possible public hygiene, household or human and animal pest control.	El Sayed, S.M. 1998. POPs Related Issues of Relevance to Egypt. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp 186, 189-204)
Estonia	B1	Import of chlororganic plant protection products banned. Not registered. Only registered products can be imported, marketed and used.			Roots, Ott 1998. (quoting Määr, 1996) Persistent Organic Pollutants Releases in the Baltic Sea Region. In <i>Proceedings...</i> 1998.	21/10/1967	6(p. 263)
Ethiopia	B1	Not registered. Pesticide prohibited from manufacture and import.			Government Decree No. 20/1990. (covering pesticide registration).	1990	9 (p. 183)
Fiji Islands	B1	Not produced, not exported, not registered for use			Registrar of Pesticides (M.L Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)
Finland	B1	Never used or registered in Finland.			Esa Nikunen, Finnish Environment Institute (no legal citation).	n/a	1/B, 2 (SF1, §9, rec'd 10MAR98)
France	B3	(EEC)	(EEC)				1/B
Gambia, The	I						No Data.
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	I		Air, Food, DW		Technical instructions on air quality control, 1986		1/B
Ghana	I	Inconclusive.	Inconclusive. Import, manufacture, storage, distribution, sale, use and disposal may be controlled under Pesticides Control and Management act, 1996 (Act 528)		Klufio, George M.S. 1997. Country Situation on Persistent Organic Pollutants. In <i>Proceedings...</i> 1997.		8 (pp 214-216)
Greece	I				No Data.	1972	2 (A. Tsatsou-Dritsa 3.2.98 rec'd 10.2.98)
Guatemala	B1	POPs prohibited.					4 (pp. 38-39)
Guinea	R		Professional license required for import and use (no production in country)	None.	Arrêté 5714/MAEF/SGG/96	1996	2 (SF1, §1,9) T.I. Camara, rec'd 26.5.98
Hungary	I						No Data.
India	I						No Data.
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)

Mirex

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Iran (Islamic Republic of)	B1	Mirex has never been registered in Iran.			Meschi, Maryam 1997. Chemicals and Pesticides Management in I.R. Iran		7 (pp. 243-245)
Ireland	B1	Never registered, never used as pesticide.			National Regs. 237, 1985 and 342, 1987		3 (D. Sheridan), 2(SF1, §9)
Israel	B1	Banned					5 (p. 32)
Italy	I						No Data.
Jamaica	B1	POPs prohibited.					4 (pp. 38-39)
Japan	B1	As non-listed, non-registered chemical, Manufacture, Export, Use and Import are not permitted			Chemical Substances Control Law	1996	2 (SF1, §2,3,4)(K Kamigawara 9FEB98)
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	I						No Data.
Korea, Republic of	I						No Data.
Kuwait	B1	Banned			Shuhaibar, Bassel Y. 1998. Managing and Disposing of POPs in Kuwait, from <i>Proceedings... Abu Dhabi</i> .		5 (pp. 205, 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	I						No Data.
Latvia	B1	8 POPs are not registered, not permitted for import or usage.			Law on Plant Protection, 5 OCT94, incl. Instruction on Pesticide Registration	05.oct.94	(OSF §19)rec'd 9.10.97
Lebanon	B1	All POPs are completely banned in Agriculture and Public Health use.			Bou-Habib, H. & N. Kodeih, 1998. POPs Situation and perspectives in Lebanon. From <i>Proceedings...</i> (5), Abu Dhabi.	20.mai.98	5 (pp. 79, 32)
Lithuania	B1	Use, production, import prohibited.			Governmental rules for production, trade, transportation and storage of dangerous chemical substances licencing. Banned and Restricted Pesticides, 1996. LTUHS, HN 63, 1996.	01.04.97	1/B
Luxembourg	B3	(EEC)	(EEC)	All substances are not used in Luxembourg	No regulation cited.		2 (SF1, §9) (SF2, §§1,4) Röhler (undated)

Mirex

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Macedonia, The Former Yugoslav Republic of	B1	Use, sale, import, export, mixtures, etc. banned			SFRY Oficial Journal No. 43/82, art. 4 of Law on Traffic in Poisonous Substances	1982	M. Balaburski/S. Milad 21DEC1998
Madagascar	I				No Data.		No Data.
Malaysia	L			Unregulated POPs. Can be used for termite control.			7 (pp 261-262)
Mali	I		Inconclusive. See uses.	Unspecified. Regulations exist, but are not really functional.	Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997.	nov.95	8 (p. 239).
Mauritius	S	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	No Data.	2 (V.S. Fareed) rec'd 9.12.97
Mexico	B1	Production, sale, use and formulation are prohibited	Import and export information inconclusive.		Catálogo Oficial de Plaguicidas, Comisión Intersecretarial para el Control del Proceso y Uso de Plaguicidas, Fertilizantes y Sustancias Tóxicas (CICOPLAFEST). And Ley del Impuesto General de Exportación. Diario Oficial de la Federación, 22 de diciembre de 1995.	16.janv.96	2 (SF1, §1,2,4,9)G.O. Fernandez, 27JUN98 via inet
Moldova, Republic of	I			Not used.			6 (p. 21)
Mongolia	S	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market."	No Data.	2 (Dagva) rec'd 16.3.98
the Netherlands	B1	Banned.			Pesticides act, 1981	1981	2(SF1, §9)
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)
New Zealand	B1	Withdrawal of all remaining products, registrations cancelled. No uses allowed.			NZLCB, 1970	avr.70	1/B

Mirex

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Nicaragua	L			Imported for use with other insecticides, some exported for destruction. Used in agricultural production. No information on production of chemical.	Ley Básica para el Registro, Control y Uso de Sustancias Tóxicas y Peligrosas, #274, 13.2.98, Gaceta Diario Oficial #30.	1993, 1998	2 (SF1, §9), H.C. Zamora 5.5.98.
Niger	B1	Not registered for use or import.			Direction Protection des Vegetaux BP323, Niacy, Niger.		2 (SF1, §9)D. Bawa rec'd 17.6.98
Nigeria	I		No Data.				No Data.
Panama	B1	POPs prohibited.				1997	4 (pp. 38-39)
Paraguay	I			No specific legislation.			10 (p. 272)
Peru	B1	POPs prohibited.			Register.	1991	4 (pp. 38-39)
Portugal	B3	(EEC)	(EEC)				1/B
Romania	B1	Never registered in Romania, production, use not allowed.			(SF1, §1)	n/a	2 (SF1, §1)V. Diaconu, rec'd 6.1.98
Russian Federation	B2		Myrex has never been manufactured nor purchased.		Kuryandsky, B. 1998. Top-Rated Pollutants in Russian Federation, from <i>Proceedings... (6)</i> .		6 (p. 236)
Rwanda	I						No Data.
Saint Kitts & Nevis	B1	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No Data.
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings... 1997</i> .		8 (pp. 245-246)
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No Data.		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings... Lusaka, Zambia, 17-20 March 1998</i> .

Mirex

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Singapore	R	Not allowed for local use.			Licensing controls are implemented under the Poisons Act and the Poisons (Hazardous Substances) Rules. Controls import, export, sale, storage, transport and use of hazardous chemicals.		7 (pp. 211, 213)
Slovak Republic	I						No Data.
Slovenia	I						No Data.
South Africa	I						No Data.
Spain	B3	(EEC)	(EEC)				1/B
Sri Lanka	I						No Data.
Suriname	L			Suriname pesticide law and institutions for pesticide monitoring and control are not operational.	Monsels-Thompson, Lilian, 1998. POPs Problems, issues and Management in Suriname. From Proceedings... Cartagena, Columbia, 27-30 January, 1998. (p. 225)		4 (pp. 225, 227).
Sweden	B1	Never used (registered) in Sweden			Wahlström, Bo, 1998. Managing POPs in Sweden. From Proceedings... Cartagena, Columbia, 27-30 January, 1998.		4 (Cartagena, p218)
Switzerland	B1	No such products on the Swiss market.			Swiss product register (G. Karlaganis 24DEC97)		2 (SF1, §1)
Syrian Arab Republic	B2	Banned in agriculture and public health use.	No POPs are produced in Syria, import restricted to those with prior permission of a specialized committee.		Ghazalah, Samih, 1998. Legislation and Regulations in Syria about POPs	1949	5 (pp. 32, 167)
Tajikistan	I			Inconclusive. Pesticides used in agriculture with no registration.			6 (p. 21)
Tanzania, United Republic of	I		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)
Thailand	B1	Not registered for agricultural use. Banned from consumer products.			Ministry of Industry, List of Hazardous Substances B.E. 2538, 1995. THARG, No. 112, 13, 1995	01.05.95	1/B
Togo	I						No Data.
Trinidad and Tobago	B1	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)

Mirex

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	B2	Banned in agriculture and public health use.					5 (p. 32)
United Kingdom	B2	Never approved for use as a pesticide in the UK			PJ Corcoran 23DEC97, EC Directive 79/117/EEC (as amended)	1979	2 (8.1.98)
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-existent.	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)
USA	B1	Registrations phased out by June 1978. No remaining uses allowed.			Environmental Facts, Mirex and the Fire Ant. FEREAC, 1984.	déc.84	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	B1	Banned (Prohibido)			Letter from Judith Musso Quintero, Directora General Sectorial (E), ODEPRI, 4Aug98, rcd 7.9.98.		2 (SF1, §§1,2,9)
Vietnam	B1	(banned since 1992, no ref)			CUC MÔI TRU'ÔNG (SF1, 5Jan99) National Environment Agency		"n/a" 2 (5JAN99)
Zambia	I						No Data.
Zimbabwe	I						No Data.

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 9

TOXAPHENE

Toxaphene

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	B1	Banned product.			Decree No. 87-182 of 18 August 1987. (Barkahoum, Slama Alamir 1997. Algerian Report on POPs. In <i>Proceedings...</i> 1997.)	18.août.87	8 (pp. 152, 156, 159)
Argentina	B2	Not registered after 1995			Ryczel, M.E. 1998, National Project on POPs, in <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April, 1998.		10 (p. 230)
Armenia	I						No Data.
Australia	S		Toxaphene was registered briefly in the early 1960's for control of grasshoppers. Small quantities used.				7 (p. 101)
Austria	B1	All uses banned. (EEC)	(EEC)		97th Ordinance on prohibition of Dangerous Substances in Plant Protection Products. AUTLG, No. 97, 1992	20.févr.92	1/B
Bahrain	R		Use prohibited except after considering the conditions, regulations and guarantees determined by Environmental Affaris in agreement with Ministry of Health, Ministry of Works and Agriculture. Handling without permission prohibited		Articles 10, 14 of Environmental Law of 1996, rept. By Al-Sho'ala, A.S.A., 1998. In Bahrain Experience in Controlling POPs (5)	1996	5 (p 161)
Barbados	B1	POPs prohibited.					4 (pp. 38-39)
Belarus	I	Inconclusive, insufficient data. Possibly banned.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)
Belgium	B1	No products, use, production, import, or export allowed.			List of Authorised pesticides for non-agricultural use. 1/1/97. List of Pesticides Registered for Agricultural Use. 1996; Royal Decrees 5/6/1975 and 28/2/1994.	1975, 1994	2 (SF1 §§1,9)rec'd 30.6.98
Belize	B1	Organochlorine pesticides prohibited for import and use.			BLZPC Pesticides Control No. 32, 1985	1985	3 (p161), Alegria, Martin, Problems with Final Disposal of DDT in Belize. (p. 135) In <i>Proceedings...</i> , Cartagena, Colombia, 27-30 January 1998.
Benin	L				No regulations exist.		2 (SF2, §4) D. Houeto, rec'd 23.6.98
Bolivia	B1	Prohibited.			Prohibition of the Use of Pesticides (Ministerial Regulation dated 8/FEB/94)	08.févr.94	10 (p. 235)

Toxaphene

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Botswana	L			Legislation inadequate or lacking for import and use; chemicals marketed and used.	Serumola, O. & B. Mbongwe, Chemical Substances Management in Botswana. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (pp. 128-129)

Toxaphene

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Brazil	B2	Agricultural use, trade and distribution prohibited.			Decree No. 329 - Use in Agriculture, 1985, BRAMA, No. 329, 1985.	1985	1/B
Bulgaria	I				Not available.		2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98
Burkina Faso	I		Inconclusive. Possibly regulated under Law No. 41/96/ADB (8 November 1996) or Law No. 002/94/ADB (19 January 1994).		Ouedraogo, Desire, 1997. National Action for the Reduction of risks from POPs Pesticides in Burkina Faso. In <i>Proceedings...</i> 1997.		8 (pp. 170, 175, 177).
Cameroon	I		Inconclusive response. May be restricted or banned under Law No. 90/013 (10 August 1990) and decree No. 92/223 (25 May 1992).		Gimou, M. M. & Sama, D. A. 1997. Identification and Evaluation of POPs Pesticides in Cameroon. In <i>Proceedings...</i> 1977.		8 (pp. 185-188).
Canada	B1	Sale and use of products containing toxaphene is prohibited.			PMRA 1997; NPRI summary report 1996. CEPA. TSMP Track I Subs. (ECE)	1995	2(SF1, §2,9)
Chile	B1	Not used: not registered, not imported, manufactured or marketed.			Paratori, C. 1998. Persistent Organic Pollutants, Chile: Current Situation. In <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		2(SF1, §1) rec'd 21.7.98; 10 (p. 240)
China	R	No production, import/export nor usage allowed without permission. POPs prohibited.			Rules for Safe Use of Pesticides, 1982 and Guidelines for use of Pesticides, 1988, 1990. CHNNW, GB8321.1-3/87-89, 1990.	Jan 1983.	1/B
Colombia	B1						4 (pp. 38-39)
Democratic Congo	I						No Data.
Republic							
Costa Rica	B1	Use, sale, storage, transport, import and registration are prohibited.			Ministry of Agriculture, Ministry of Health and Ministry of Labour, Decree 18346-MAG-S-TSS, 1988 CRILG, No. 151, 1988	08.10.88	1/B
Cote d'Ivoire	I		No Data				No Data.
Croatia	I		No Data				No Data.
Cuba	B1	Use, production and import as pesticide banned.			Resolución No. 268, CUBHE, 1990.	28.déc.90	1/B
Cyprus	L				Draft regulations under the Dangerous Substances Laws of 1991 and 1997 are under discussion, covering class, pack, label, import, manu, use, sto, transp of dangerous substances	Not available	2 (SF1, §9) (SF2, §§1,4)

Toxaphene

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Czech Republic	R		Export/Import only w/ sp. Gov't license. Use, manufacture, and sale regulated by Chief Hygenist		Decree of Fed. Ministry of Foreign Trade No. 560 ... SZCZR, 56, 1785, 1994. & Law No. 20 Coll., on Pub Hlth and Decree No. 45 Coll., on Development and Protection of Healthy Living Conditions 1966. CZEMH, No. 45, 1966.	1966 & 14.09.94	1/B
Denmark	B3	All import, sale, and use for plant protection products containing toxaphene prohibited. (per EC directive).	Other pesticides containing toxaphene require a written authorization for use. No such authorizations are given. (EEC)		Act on Chemical substances and products, consolidated Act No. 21, 1996. DNKDS, 1996.	01.10.84	1/B
Dominica	I						No Data.
Ecuador	B1	POPs prohibited.		Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	Register exists		4 (pp. 38-39)
Egypt	I						No Data.
Estonia	B2	Import of chlororganic plant protection products banned. Not registered. Only registered products can be imported, marketed and used.			Roots, Ott 1998. (quoting Müür, 1996) Persistent Organic Pollutants Releases in the Baltic Sea Region. In <i>Proceedings...</i> 1998.	21/10/1967	6(p. 263)
Ethiopia	B1	Not registered. Pesticide prohibited from manufacture and import.			Government Decree No. 20/1990. (covering pesticide registration).	1990	9 (p. 183)
Fiji Islands	B1	Not produced, not exported, not registered for use			Registrar of Pesticides (M.L. Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)
Finland	B1	Use, sale prohibited(EEC)	(EEC)		Decision No. 656, 1969, FINMA, 1969. Also Helcom Recommendation 13/13 and Osparcom Recommendation 7/13/1, 1992.	1969/1992	1/B
France	B3	(EEC)	(EEC)				1/B
Gambia, The	I						No Data.
Georgia	L			No current system of control or registration.			6 (p. 20)

Toxaphene

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Germany	B1	Banned pesticide, can not be approved for any use as pesticide, all contracting parties will phase out the use as soon as possible. (EEC)	(EEC)		Commission Directive 79/117/EWG, Helcom Recommendation 13/13 and OSPARCOM recommendation 7/13/1, 1992.	1979, 1992 & 01.02.97	2 (SF1, §3 rec'd 14.4.98), 1/B
Ghana	I	Inconclusive.	Inconclusive. Import, manufacture, storage, distribution, sale, use and disposal may be controlled under Pesticides Control and Management act, 1996 (Act 528)		Klufio, George M.S. 1997. Country Situation on Persistent Organic Pollutants. In <i>Proceedings...</i> 1997.		8 (pp 214-216)
Greece	B1	Date of 1972 indicated for ban of all pops, no citation, no information provided. (EEC)	(EEC)			1972	2 (A. Tsatsou-Dritsa 3.2.98 rec'd 10.2.98)
Guatemala	B1	POPs prohibited.					4 (pp. 38-39)
Guinea	R		Professional license required for import and use (no production in country)	None.	Arrêté 5714/MAEF/SGG/96	1996	2 (SF1, §1,9) T.I. Camara, rec'd 26.5.98
Hungary	I						No Data.
India	B1	Banned, registration cancelled.			Notification No. S.O. 569 (E) of 25.07.1989, Gazette of India, extra, part II, Sec. 3 (ii), 25.07.1989. p. 3.	1989	1/B
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)
Iran (Islamic Republic of)	B1	Banned			Substantial Rules and Regulations Concerning Registration, Production, Transportation, Usage, Storage, Import and Export of 1967. Also Controlling and Surveillance of Poisons and Chemicals (1996).	1973	7 (pp. 243-245)
Ireland	S	Never registered, never used as pesticide. (EEC)	(EEC)		National Regs. 237, 1985 and 342, 1987		3 (D. Sheridan), 2(SF1, §9)
Israel	B1	Banned					5 (p. 32)
Italy	B2	Use as plant protection product banned. (EEC)	(EEC)		Application of EU Regulation 2455/92/EEC, 1992.	1992	1/B
Jamaica	B1	POPs prohibited.					4 (pp. 38-39)
Japan	B1	As non-listed, non-registered chemical, Manufacture, Export, Use and Import are not permitted			Chemical Substances Control Law	1996	2 (SF1, §2,3,4)(K Kamigawara 9FEB98)

Toxaphene

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	B1	Use as pesticide banned.			Pest Control Products Board Decision Ref. PCPB/1/II/95 of 22/4/85	févr.87	1/B
Korea, Republic of	B1	Import, manufacture, sale and use are banned.			Regulation on the Substances subject to Ban or Restriction of Manufacture, Import, Sale and Use, 1996.KORME, No. 96-75, 1996.	01.06.96	1/B
Kuwait	B1	Banned			Shuhaibar, Bassel Y. 1998. Managing and Disposing of POPs in Kuwait, from <i>Proceedings... Abu Dhabi</i> .		5 (pp. 205, 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	R	Prohibited for import.			Keomanichanh, K 1997. Pesticide Case Study from Lao People's Democratic Republic. In <i>Proceedings... 1997</i> .		7 (p. 109)
Latvia	I	8 POPs are not registered, not permitted for import or usage.			Law on Plant Protection, 5 OCT94, incl. Instruction on Pesticide Registration	05.oct.94	(OSF §19)rec'd 9.10.97
Lebanon	B1	All POPs are completely banned in Agriculture and Public Health use.			Bou-Habib, H. & N. Kodeih, 1998. POPs Situation and perspectives in Lebanon. From <i>Proceedings... (5)</i> , Abu Dhabi.	20.mai.98	5 (pp. 79, 32)
Lithuania	B1	Use, manufacturing, import banned			Governmental rules for production, trade, transportation and storage of dangerous chemical substances licencing. Banned and Restricted Pesticides, 1996. LTUHS, HN 63, 1996.	01.04.97	1/B
Luxembourg	B3	(EEC)	(EEC)	All substances are not used in Luxembourg	No regulation cited.		2 (SF1, §9) (SF2, §§1,4) Röhler (NO DATE)
Macedonia, The Former Yugoslav Republic of	R	Use, sale, export, mixtures, etc. banned; see import restriction below.	Import allowed with special permission from Ministry of Health. No import has been employed to date.		SFRY Oficial Journal No. 43/82, art. 4 of Law on Traffic in Poisonous Substances	1982	M. Balaburski/S. Milad 21DEC1998
Madagascar	I				No Data		No Data
Malaysia	L			Unregulated POPs			7 (pp 261-262)
Mali	I		Inconclusive. See uses.	Unspecified. Regulations exist, but are "not really functional."	Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings... 1997</i> .	nov.95	8 (p. 239).

Toxaphene

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Mauritius	B2	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	No Data	2 (V.S. Fareed) rec'd 9.12.97
Mexico	R	Use and sale prohibited. (see restrictions and uses).	Import is controlled.	Production information not provided. Export of product regulated generically.	Catálogo Oficial de Plaguicidas, Comisión Intersecretarial para el Control del Proceso y Uso de Plaguicidas, Fertilizantes y Sustancias Tóxicas (CICOPLAFEST). And Ley del Impuesto General de Exportación. Diario Oficial de la Federación, 22 de diciembre de 1995	16.janv.96	2 (SF1, §1,2,4,9)G.O. Fernandez, 27JUN98 via inet
Moldova, Republic of	I			Not used.			6(p. 21)
Mongolia	B2	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market."	No Data	2 (Dagva) rec'd 16.3.98
the Netherlands	B2	Use, sale, all plant protection products containing toxaphene prohibited. (EEC)	(EEC)		Pesticides Act, 1968	1968	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)
New Zealand	B2	Use, manufacture, import, and sale prohibited. Other specialized use requires permit. No permits have been issued.			Pesticides Board, 1989. NZLME, 1989, 1989.	1989	1/B
Nicaragua	B1	Prohibited 5.8.93			4, Vaughan, Mario A. 1998. Latin American and Caribbean Case Studies on Persistent Organic Pollutants: DDT, Toxaphene, and Endosulfan in Nicaragua. From Proceedings... Cartagena, Columbia, 27-30 January, 1998	5.8.93	4 (Cartagena, p206).
Niger	B1	Not registered for use or import.			Direction Protection des Vegetaux BP323, Niancy, Niger.		2 (SF1, §9)D. Bawa rec'd 17.6.98
Nigeria	L			Widely used for treatment of timber, pre-planting treatment of seeds, and wooden rafters against termite attack.	Soyombo, R. 1998, Management of POPs in Nigeria, an Emerging National Issue. In Proceedings... Lusaka, Zambia, 17-20 March 1998.		9 (p. 178)
Panama	B1	POPs prohibited.				1997	4 (pp. 38-39)

Toxaphene

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Paraguay	S	Entry prohibited.			Resolution No. 447 of the Ministry of Agriculture and Livestock. Register.	1993	10 (p. 272)
Peru	B1	POPs prohibited.				1991	4 (pp. 38-39)
Portugal	B3	(EEC)	(EEC)				1/B
Romania	B1	Use forbidden (pesticide).			Decision No. __ Concerning the interdiction of use of pesticides based on toxaphene, 1972. ROMON, 1972.	1972	1/B
Russian Federation	R		Restricted for use as a pesticide.	Permitted for control of grey weevil on sugarbeet and to protect the seeds of perennial grasses.	OSUMH, 21 Mar 1986	1986	1/B
Rwanda	I						No Data
Saint Kitts & Nevis	B1	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No Data
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings...</i> 1997.		8 (pp. 245-246)
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No Data		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.
Singapore	S	Not allowed for local use.			Licensing controls are implemented under the Poisons Act and the Poisons (Hazardous Substances) Rules. Controls import, export, sale, storage, transport and use of hazardous chemicals.		7 (pp. 211, 213)
Slovak Republic	I						No Data.
Slovenia	B2	Prohibited to use in phytopharmaceutical agents.			Act on Poisons, 1996 and 1997, SVNGS, No. 35, 1997	1996	1/B
South Africa	I						No Data
Spain	B3	(EEC)	(EEC)				1/B
Sri Lanka	I						No Data.

Toxaphene

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Suriname	L			Suriname pesticide law and institutions for pesticide monitoring and control are not operational.	Monsels-Thompson, Lilian, 1998. POPs Problems, issues and Management in Suriname. From Proceedings... Cartagena, Columbia, 27-30 January, 1998. (p. 225)		4 (pp. 225, 227).
Sweden	B1	Never used (registered) in Sweden. (EEC)	(EEC)		Wahlström, Bo, 1998. Managing POPs in Sweden. From Proceedings... Cartagena, Columbia, 27-30 January, 1998.		4 (Cartagena, p218)
Switzerland	B1	Manufacture, supply, import and use of HCB & products prohibited.			Ordinance relating to Environmentally hazardous substances (Ordinance on Substances, OSUBST; Verordnung über umweltgefährdende stoffe (stoffverordnung, stov))1986, CHEFC, AS 1986, 1254	09.06.86	1/B
Syrian Arab Republic	B2	Banned in agriculture and public health use.	No POPs are produced in Syria, import restricted to those with prior permission of a specialized committee.		Ghazalah, Samih, 1998. Legislation and Regulations in Syria about POPs	1949	5 (pp. 32, 167)
Tajikistan	I			Inconclusive. Pesticides used in agriculture with no registration.			6 (p. 21)
Tanzania, United Republic of	I		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998. Ministry of industry, list of Hazardous substances B.E. 2538, 1995. THARG, No. 112, 13, 1995		9 (pp. 210-211)
Thailand	B1	Use banned.				01.05.95	1/B
Togo	I						No Data
Trinidad and Tobago	B1	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	B2	Banned in agriculture and public health use.					5 (p. 32)
United Kingdom	B1	Banned use as pesticide. (EEC)	(EEC)		The control of pollution (Supply and use of injurious substances), 1986. GBRSI, No 31, 1992. & The Environmental Protection (Controls on injurious substances), 1992.	01.01.92	1/B

Toxaphene

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-existent.	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)
USA	B1	Banned for use.			Toxaphene; intent to cancel or restrict registrations of pesticide products containing ... decision document. FERAC, 47, 53784, 1982	nov.82	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	I						n.d.
Vietnam	B1	Banned since 1992, no reference.			CUC Môi TRU'ÔNG (SF1, 5Jan99) National Environment Agency		"n/a" 2 (5JAN99)
Zambia	I						No Data.
Zimbabwe	I						No Data.

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 10

POLYCHLORINATED BIPHENYLS

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PCBs

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	S	Import, fabrication, installation, purchase, sale, or transfer of electrical equipment using askarels is banned.	Safety regulations regulate use of equipment already in service, and management for storage of PCB wastes and cleanup of spills.	Existing electrical equipment.	Decree No. 87-182 of 18 August 1987. (Barkahoum, Slama Alamir 1997. Algerian Report on POPs. In <i>Proceedings...</i> 1997.)	18.août.87	8 (pp. 152, 156, 159)
Argentina	R		Use and handling regulated; requires authorization.	With authorization.	Ryczel, M.E. 1998, National Project on POPs, in <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April, 1998.		10 (p. 230)
Armenia	I						No Data
Australia	R	Ban on Landfilling solid PCB waste more than 50 mg/kg PCBs, and no liquid greater than 2 mg/kg PCBs	PCB management plans in effect; PCBs in priority areas removed by end of 2001, consigned for treatment by end of 2002, other areas by end of 2005 or 2010, depending on PCB concentration. Etc.	Small equipment items removed at end of useful life, or at repair or decommissioning .	Australian and New Zealand Environment and Conservation Council, (1995), reference in Baiton, Paul, 1997. Management and disposal of Persistent Organic Pollutants in Australia. In <i>Proceedings...</i>		7 (p. 199)
Austria	S	Banned for use	Transitional provisions for PCB-containing fluids in old electrical equipment	Transitional provisions for PCB-containing fluids in old electrical equipment	210th Ordinance on Ban of Halogenated Biphenyls, Terphenyls, Naphthalines and Diphenylmethanes. AUTLG, No. 210, 1993	1993	1/B
Bahrain	L			Voluntary substitution by electricity departments.	Al-Sho'ala, A.S.A., 1998. In Bahrain Experience in Controlling POPs (5)		5 (p 161)
Barbados	I	POPs prohibited.					4 (pp. 38-39)
Belarus	I	Production and use prohibited.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)
Belgium	S	Commercial or industrial production, import, export and sale are prohibited, see exception.	Operations concerning wastes excepted.		A.R. Reglementant les Substances et Preparations Contenant Des PCB et PCT. BELME, 1986.	09.07.86	1/B
Belize	I				No Data.		No Data.
Benin	L				No regulations exist.		2 (SF2, §4) D. Houeto, rec'd 23.6.98
Bolivia	I		No Data.	No Data.			10 (p. 235)

PCBs

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Botswana	S		PCBs are being phased out.	PCBs are being phased out.	General summary.		9 (p. 17)
Brazil	I		inconclusive response.		CONAMA Resolution no. 19/94, Directs no 19/81	1994, 1981	2 (S. dS. Oliveira 11MAY98)
Bulgaria	I				Not available.		Palestra.doc 2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98
Burkina Faso	I		Inconclusive response.				
Cameroon	L			Importer, user of PCBs in power, chemical processes (PVC, paints and adhesives), aluminium refining.	Gimou, M. M. & Sama, D. A. 1997. Case Study on the Management of POPs: The Case of some POPs and PCBs Pesticides. In <i>Proceedings...</i> 1977.		8 (p181)
Canada	S	Mfg, processing, use, offer for sale or import for spec. comm., mfg. Or processing uses (with exceptions). No new import or manufacture of PCB-filled equipment, no new or make-up filling of existing equipment with PCBs. Sale, advertisement, import liquids containing PCBs for use in microscopy.	Presence in product, machinery or equipment MPC 50 ppm, 5ppm & 1 gm/d release limit. Restrict to existing electrical equipment. Various restrictions on decommissioning equipment, import/export of hazardous waste, notification, mobile treatment systems,	Refractive index oils (exclusion),	CAGAAK, 125, 6, 1030, 1991; & CAGAAK, 122, 24, 4625, 1988. Chlorobiphenyls Regulations, SOR 91-152, made by Orderin Council P.C. 1991-300, Feb 21, 1991.	21.02.91 & 01.11.88; 21.02.91	1/B, 2 (SF1, § 2, 9)
Chile	S	New use prohibited.			Prohíbe el uso de Bifenilo Policlorados como fluido dieléctrico en transformadoresw, condensadores y cualquier otro equipo eléctrico. Resolución Exenta No. 610, del 03/09/82.	09.03.82	2 (SF1, §9) rec'd 21.7.98
China	S	Manufacture, import and usage prohibited without authorization of government.	PCBs & preparations w/ PCB-content >0.01% by wt. Restricted to electric power generation with authorization of government.	Power generation	Rules for Safe Use of Pesticides, 1982 and Guidelines for use of pesticides, 1988, 1990. CHNNS, GB8321.1-3/87-89, 1990	janv.83	1/B
Colombia	I	POPs prohibited.					4 (pp. 38-39)
Democratic Congo Republic	L			Imported and used. Use not specified.	Mukonkole-Mayele, M.R. 1997. Identification of the Problems Posed by POPs Questionnaire for Participants. In <i>Proceedinas...</i> 1997.		8 (pp. 189-191)

PCBs

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Costa Rica	L		Exported as waste for destruction or recycle in Finland under Basel Convention Regulations.	Used in transformer oil. Present in some industries and government institutions.	2(R.C. Cordoba DSTMT-CISQ-069-97) rec'd 10.12.97	n/a	2(R.C. Cordoba DSTMT-CISQ-069-97) rec'd 10.12.97
Cote d'Ivoire	L		None.		Zadi, D. R. 1997. Pilot Project on the Sound Environmental Management of PCBs in Côte d'Ivoire. In <i>Proceedinas...</i> 1997.		8 (p. 196)
Croatia	I		Inconclusive response.	Used as transformer and condensers.	Act on Environmental Protection, No 82/94; Act on Waste No 34/95, By-law on Emission Registry No. 35/95; By-law on types of Waste (No. 27/94)	92, 94, 95	2(SF1, §9) Z. Smit rec'd 1.5.98
Cuba	I						No Data.
Cyprus	R	Banned as a pesticide.			2 (SF1, §1) J. Melitrouides rec'd 15.6.98		2 (SF1, §1) J. Melitrouides rec'd 15.6.98
Czech Republic	S	All use banned, no remaining uses allowed. Waste exceeding MXL banned from disposal by landfill.	Export/import allowed only with govt license. Waste management as hazardous, controls include reporting, transport and disposal methods.		Directive No. 76/1990. CZEMH, 1900. & The order of the govt of the Czech Republic No. 513 on Waste Mangement, SZCFR, 103, 3053, 1992 & Provision of Fed. Committee for Environment which Declares Waste Classification and Catalogue, SZCFR, 1650 1991	1990 & 23.09.92 & 01.08.91	1/B
Denmark	S	Import, marketing of PCBs and PCB articles banned.	Use in outdated transformers requires registration. Transformers to be disposed of by end of 1999.	(temporary) old transformers.	Order on Restriction in Use of PCB and PCT, No. 718, 1986.	01.03.98	1/B
Dominica	I						No Data
Ecuador	I	POPs prohibited.		Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	General summary.		4 (pp. 38-39)
Egypt	I						No Data.
Estonia	I						No Data.
Ethiopia	I						No Data.

PCBs

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Fiji Islands	I	Not exported, not imported. Production inconclusive.			Registrar of Pesticides (M.L. Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)
Finland	S	Production, import, marketing, and supply of sp. PCB substitutes prohibited. Transformers, capacitors, condensators (over 1 Kvar) disposed of by end of 1994. Not applied to PCBs in research, transport via Finland, and wastes containing PCBs. Also Helcom 6/1 & 16/10; OSPARCOM 92/3.			Decision No. 1071, 1989 and Decision No. 946, 1993. FINCS 1993 & Helcom recommendations 6/1 and 16/10 and OSPARCOM Recommendation 92/3, 1992	31.12.94 & 1992	1/B
France	B3	(EEC)	(EEC)				1/B
Gambia, The	I						No Data.
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	S	Use prohibition by reference, Helcom 6/1 and 16/10 & OSPARCOM 92/3. PCBs & formulations w/ >50 mg/kg PCB & products containing prohibited from sale, manufacturing, and use (exceptions noted).		(Exceptions noted in regulations).	Helcom Recomm. 6/1 & 16/10, OSPARCOM Recomm 92/3. NMEPC, 1992 & Ordinance on the prohibition of chemicals (Chemikalien-verbotsberodnung), BGZBAD, I, 1498, 1996. & Ordinance on Hazardous Substances (Gefahrstoffverordnung) BGZBAD, I, 1498, 1996. Also PCB Prohibition Ordinance of 1989, superceded by Chemicals Prohibition Ordinance	1992, 15.10.96	1/B
Ghana	L			Indirect import of PCBs in transformers and capacitors for electrical power is unavoidable.	Klufio, George M.S. 1997. Country Situation on Persistent Organic Pollutants. In <i>Proceedings...</i> 1997.		8 (pp 214-216)
Greece	I	Date of 1972 indicated for ban of all pops, no further information provided.			No Data.	1972	2 (A. Tsatsou-Dritsa 3.2.98 rec'd 10.2.98)
Guatemala	I	POPs prohibited.					4 (pp. 38-39)

PCBs

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Guinea	I	Inconclusive reponse	Inconclusive reponse	Dielectric fluid	Chap. III au Titre 4 du Code: Les Substances Chimiques Nocives ou Dangereuses (045/PRG/87). Convention de Bâle (rat. 1996), Code Guineen sur la Protection et La Mise en Valeur de Lien (1987)		2 (SF1, §9) (SF2, §§1,4)
Hungary	I						No Data.
India	R		Hazard assessment, preventive measures, worker notification, notification of authorities, plans, emergency release notification, import notification required for manufacture, storage, import.		The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989. Gazin, 787, 1989.	27.11.89	1/B
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)
Iran (Islamic Republic of)	S	Import, export and production prohibited.			Meschi, Maryam 1997. Chemicals and Pesticides Management in I.R. Iran		7 (pp. 243-245)
Ireland	I	Never registered, never used as pesticide.			National Regs. 237, 1985 and 342, 1987		3 (D. Sheridan), 2(SF1, §9)
Israel	S	New use banned					5 (p. 32)
Italy	R	Use as plant protection products is banned, for other uses a written authorization is required.	Use as plant protection products is banned, for other uses a written authorization is required.		Application of EU Regulation 2455/92/EEC, 1992. ITAMH, 1992.	1992	1/B
Jamaica	L			Not banned, voluntarily refused to import.	4 Whyllie, Paul 1998. <i>The Disposal of PCB and Other POPs in Jamaica, p201</i> from Proceedings...Cartagena, Columbia, 27-30JAN 1998.		4 (p. 201)
Japan	R	Manufacture, import, use prohibited without authorization. Products containing substance prohibited from import			The law concerning the examination and regulation of manufacture etc. of chemical substances. (JPNCO, 1974).	07.06.74	1/B
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	I						No Data.

PCBs

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Korea, Republic of	R	Import, manufacture, sale and use of PCBs are banned.	Wastes containing 50 ppm or more of PCBs subject to strict regulation while handling, etc.; land ban disposal restrictions apply to wastes w/ >30 ppm. Release into water subject to discharge regulations.		Decree on the Waste Management Act, 1987, KORME, Art 3, 1987; Regulation on the Substances subject to Ban or Restriction of manufacture, import, sale and use, 1996, KORME, No. 96-75, 1996; Ordinance on the Soil Envir. Cons. Act, 1996, Korme Art. 21, 1996; Ordinance on Water Quality Pres. Act 1991, Korme, Art 3, 1991.	30.05.87, 01.06.96, 06.01.96, 02.02.91	1/B
Kuwait	R	Banned in agriculture and public health use.	Use of PCBs is controlled by Government Decision	Not specified	Decision on Disposal Methods of PCBs, 1997, KWTGO, 1997	1997	1/B, 5 (p. 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	I						No Data.
Latvia	I	8 POPs are not registered, not permitted for import or usage.			Law on Plant Protection, 5 OCT94, incl. Instruction on Pesticide Registration	05.oct.94	(OSF §19)rec'd 9.10.97
Lebanon	I			Being phased out.			PCB summary, rec'd 13.3.98; A.Kaskas 12.MAR.98
Lithuania	S	Use, production and import are prohibited.			Governmental rules for production, trade, transportation and storage of dangerous chemical substances licencing. Banned and Restricted Pesticides, 1996. LTUHS, HN 63, 1996. No regulation cited.	01.04.97	1/B
Luxembourg	I			All substances are not used in Luxembourg			2 (SF1, §9) (SF2, §§1,4) Röhler (NO DATE) M. Balaburski/S. Milad 21DEC1998
Macedonia, The Former Yugoslav Republic of	I				inconclusive response.		
Madagascar	S	Use and sale suspended.			Decree No. 6255, 1993. MDGME, Art. 1, 2 and 3 1993	30.11.93	2(SF1, §9)
Malaysia	S	Banned.			Pesticide Act 1974, and Custom Act 1967 (Prohibition Order Import/Export 1988)	1988	7 (pp 261-262)
Mali	I		Inconclusive.		Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997.		8 (p. 239).

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	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Mauritius	S	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	No Data.	2 (V.S. Fareed) rec'd 9.12.97
Mexico	R		Sale, import/export, waste disposal subject to regulation	Industrial and others.	"Diario Oficial de la Federación 27 de diciembre de 1995 y sus reformas." and "Diario Oficial de la Federación del 22 de octubre de 1993."	27DEC95 and 22OCT93	(SF1, §2,5,6.9) rec'd 22JUN98 (?) via inet.
Moldova, Republic of	I	Inconclusive.	Inconclusive.	Inconclusive.			No Data.
Mongolia	S	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market." Chemical Substances Act, 1991	No Data.	2 (Dagva) rec'd 16.3.98
the Netherlands	S	Use prohibited.				1991	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)
New Zealand	S	Import of material & equipment w/ > 50 mg/kg PCB is prohibited. No further use or storage is permitted. (see restrictions for exemption)	Use is allowed in materials and equipment with less than 50 mg/kg PCB. The government can issue an exemption to the general prohibition to facilitate the safe and timely removal and destruction of PCB material.	Use is allowed in materials and equipment with less than 50 mg/kg PCB	Toxic Substances Regulations 1983 with amendment No. 3	1983 & 10/1/1998	1/B
Nicaragua	I	POPs prohibited.					4 (pp. 38-39)
Niger	I	Inconclusive response	Inconclusive response	Inconclusive response	Not available.		2 (SF1, §9)D. Bawa rec'd 17.6.98
Nigeria	I			Used extensively by the National Electric Power Authority in electric power supply. Inadequate capacity (for their) management.	Soyombo, R. 1998, Management of POPs in Nigeria, an Emerging National Issue. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (p. 178)
Panama	I	POPs prohibited.				1997	4 (pp. 38-39)
Paraguay	L			No specific legislation.			10 (p. 272)
Peru	I	POPs prohibited.			General summary.	1991	4 (pp. 38-39)
Portugal	B3	(EEC)	(EEC)				1/B
Romania	I				Not available.		SF1 submitted.

PCBs

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Russian Federation	I						No Data.
Rwanda	I				Not available.		SF1 submitted.
Saint Kitts & Nevis	I	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No Data
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings...</i> 1997.		8 (pp. 245-246)
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No Data.		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998 No Data.
Singapore	I						No Data.
Slovak Republic	I		Irrigation water CSN 757143; Surface water No. 24/1993; waste (as alternative fuel) No 309/1991 annex No 92/1996		Kocan, A. et al.: Environment and human burden in region contaminated with PCBs. Ministry of the Environment of the Slovak Republic, Bratislava, Nov. 1997, 94 pp.	1991, 1993, 1996	2 (L. Rosival 4MAR98)
Slovenia	I	(Use of) PCBs are prohibited			Act on Poisons, 1991, SVNGS, No. 13, 19091.	1991	1/B
South Africa	S		PCBs are being phased out.	PCBs are being phased out.	General summary.		9 (p. 17)
Spain	B3	(EEC)	(EEC)				1/B
Sri Lanka	I						No Data.
Suriname	I						No Data.
Sweden	B1	Use, re-use, transfer, manufacturing, and sale prohibited	Export and import restricted to EU countries, no new permits for use since 1978. PCB power capacitors and transformers may not be used after 31 DEC 1994.		Ordinance on PCB, etc., SFS, 1985:837, 1985	1992	1/B
Switzerland	S	Manufacture, supply, import and use of PCBs and products containing it are prohibited. Exceptions: lubricating oils and grease w/ <1 ppm halobiphenyls. Provisions for transformers & capacitors	Capacitors >1 kg overall weight and transformers must be eliminated.		Ordinance relating to Environmentally hazardous substances (Ordinance on Substances, OSUBST; Verordnung uber umweltgefaehrliche stoffe (stoffverordnung, stov))1986, CHEFC, AS 1986, 1254, 1986	09.06.86	1/B

PCBs

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Syrian Arab Republic	R	Banned in agriculture and public health use.					5 (p. 32)
Tajikistan	I			Inconclusive.			6 (p. 21)
Tanzania, United Republic of	I		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)
Thailand	R	Import banned.	(Existing stores) regulated as industrial chemicals.	Exported to UK and France for destruction.	Ministry of Industry, List of Hazardous Substances B.E. 2538, 1995, THARG, No. 112, 13, 1995. Ministry of Health, UNEP - POPs Information Profile B.E. 2541, 1998, Elec. Gen. Auth. Of Thailand (EGAT) & Dept. Ind. Works.	1975	1/B, 7(p. 241)
Togo	S			Use limited to two telephone transformers. No other known use.	K. Sanda 15May98, Compagnie Energie Electrique du Togo, 12 Mai 1998 P. Raffegeau Ref. 110-/DT/CEET/98 à Sanda.	n/a	2(recd 22.5.98)
Trinidad and Tobago	I	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	I	Banned in agriculture and public health use.	Inconclusive.	Inconclusive.			5 (p. 32)
United Kingdom	S	Prohibition on (PCB-containing) substances used in the restoration or maintenance of historic buildings (use, sale, storage). Sale and use of PCBs in new equipment banned in 1986.	Use of formulation in transformers and capacitors is to cease by 2010 under the North Sea Conference decision and EC directive 96/59/EC		Control of Pollution (Supply and Use of Injurious Substances) Regulations, 1986, & 96/59/EC	1986	POPSF1.doc, 23.12.97, rcd 8.1.98, 1/B
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-existent	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)

PCBs

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
USA	S	Manufacture and import of PCBs, processing and distribution in commerce (except in a totally enclosed manner) is banned. Banned uses: waste oil as sealant, coating, dust control agent, road oiling, pesticide or herbicide, rust preventative. See restrictions for allowed uses.	EPA Regulations exclude listed PCB products (generally less than 50 ppm) and non-totally enclosed PCB activities.		Toxic Substances Control Act Regulations; Technical Amendments, FEREAC 53, 12522, 1988.	15.avr.98	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	R	Banned (Prohibido) for production, see restrictions, uses		Imported for use as dielectric in transformers and capacitors	"Decreto N. 2289 Normas para el Control de la Recuperación de Materiales Peligrosos y el Manejo de los Desechos Peligrosos" Decree 2289, Rules for control and recovery of waste materials and handling of hazardous wastes.	No Data.	Letter from Judith Musso Quintero, Directora General Sectorial (E), ODEPRI, 4Aug98, rcd 7.9.98.
Vietnam	L			Used in transformers and electrical power stations	CUC MÔI TRU'ÔNG (SF1, 5Jan99) National Environment Agency		2 (5JAN99)
Zambia	S		PCBs are being phased out.	PCBs are being phased out.	General summary.		9 (p. 17)
Zimbabwe	I						No Data.

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 11

DIOXINS

Dioxins

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	I						No Data.
Argentina	R		Limit to emissions into air for incinerators established covering design, operation, monitoring, EIS. Limits for soils in agricultural and residential uses. Category Y44: PCDDs. TCDD classified possibly carcinogenic. Companies that produce, import, use, obtain through intermediate processes, sell, etc. carcinogenics are registered.		National Law No. 24051/92 on Hazardous Waste - Regulatory Decree 831/93. (also provincial legislation of the province of Buenos Aires). Also National Disposition No. 1/95 - Current Listing of Carcinogenic Substances and Agents.	1993	10 (p. 215)
Armenia	I		none		Not available.		2(SF2, §§1,4) S. Shahazizya rec'd 6.5.98 No Data.
Australia	I						
Austria	R		General ELV for Dioxin/Furan emissions of waste combustion facilities, copper production and sinter plants. Reducing ELV for iron and steel plants.		LRV-K (Air Ordinance for steam boilers); 163. Ordinance "Reduction of emissions for sinter plants"; 160. Ordinance "Reduction of emissions from sinterplants"	2004/2006	2 (SF2, §§1,4) rec'd 19.5.98
Bahrain	I						No Data.
Barbados	I	POPs prohibited.					4 (pp. 38-39)
Belarus	I	Production and use prohibited.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)
Belgium	I						No Data.
Belize	I						No Data.
Benin	L				No regulations exist.		2 (SF2, §4) D. Houeto, rec'd 23.6.98
Bolivia	I		No Data.	No Data.			10 (p. 235)
Botswana	I						No Data.
Brazil	I				No Data.		2 (S. dS. Oliveira 11MAY98) Palestra.doc
Bulgaria	I				No Data.		2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98
Burkina Faso	I		Inconclusive response.				
Cameroon	I						No Data.

Dioxins

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Canada	R	Export/import only as hazardous waste requires notification; discharge in measurable quantity prohibited (pulp/paper mfg); mobile destruction/treatment systems exceeding MPC (esp. PCB); waste exp/imp for disposal/destruction	Export/import as hazardous waste requires notification; pulp/paper mfg must ensure discharge less than MPC; mobile destruction/treatment systems must meet MPC (esp. PCB); notification for waste exp/imp for disposal/destruction		CAGAAK, 126, 121, 1940, 1992; 122, 2, 551, 1988; 124, 5, 20, 1990; 126, 25, 4553, 1992.	01.04.91 & 12.11.92 & 07.05.92	1/B; 2 also submitted, no additional information.
Chile	I		No information available.		n/a (form 2 submitted); 10 (p. 240)		2 (SF1, §9) rec'd 21.7.98
China	I				Emissions standards now under consideration.		2 (SF2, §§1,4)
Colombia	I	POPs prohibited.					4 (pp. 38-39)
Democratic Congo Republic	I						No Data.
Costa Rica	I		none indicated.		2(R.C. Cordoba DSTMT-CISQ-069-97) rec'd 10.12.97	No Data.	2(R.C. Cordoba DSTMT-CISQ-069-97) rec'd 10.12.97
Cote d'Ivoire	I						No Data.
Croatia	R		Established limits of Ambient Quality Values, Pollution Emission Limit Values, etc.		The Act of Air Quality Protection (1995), Ordinance ofn Recommended and Limit Ambient Quality Values (1996); Rule Book of Environmental Pollutants Inventory (1966); Ordinance on Pollutants emission Limit Values from Stationary Sources (1997).	1995, 1996, 1997	2(SF2, §§1,4)A. Kutle rec'd 1.5.8
Cuba	I						No Data.
Cyprus	I						No Data.
Czech Republic	I		No Data.				No Data. (form 2 submitted)
Denmark	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Dominica	I						No Data.

Dioxins

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Ecuador	I	POPs prohibited.		Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	Register exists		4 (pp. 38-39)
Egypt	I						No Data.
Estonia	I						No Data.
Ethiopia	I						No Data.
Fiji Islands	I	Not exported, not imported. Production inconclusive.			Registrar of Pesticides (M.L. Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)
Finland	R		Maximum Emission Limits for municipal waste incineration plants.		Order VNP 626, 1994, FINGO, 1994	1994	1/B
France	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Gambia, The	I		Inconclusive.		2 (SF2, §4 ref. Hazardous Chemicals and Pesticides Control and Management Act 1994.)	1994	2 (FJ Ndoye, rec'd 26.6.98)
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	R		Waste Incin. plants constr/ops w/i MPC. Sale restricted to products containing less than 1 ug/kg combined isomers (listed). Notification of use, formation, production, application, or disposal of sum conc. dioxins/furans exceeding 0.1 mg/kg or TCDD more than 0.01 mg/kg; waste incinerators constr/operated to meet MPC		Ord. On Incineration Plants for Waste & Similar Combstbl Matls (Verordnung ueber Verbrennungsanlagen fuer abfaelle und aehnliche brennbare stoffe - 17.BIMSCHV) BGZBAD, I, 2545, 1990. & Ord. On Prohibition of Chemicals (Chemikalien- verbotsverordnung BGZBAD I, 1498, 1996.	01.12.90 & 15.10.96	1/B
Ghana	I						No Data

Dioxins

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Greece	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Guatemala	I	POPs prohibited.					4 (pp. 38-39)
Guinea	I		inconclusive response		Chap. III au Titre 4 du Code: Les Substances Chimiques Nocives ou Dangereuses (045/PRG/87). Convention de Bâle (rat. 1996), Code Guineen sur la Protection et La Mise en Valeur de l'environnement (1987)		2 (SF1, §9) (SF2, §§1,4)
Hungary	I						No Data
India	I		Hazard assessment, preventive measures, worker notification, notification of authorities, plans, emergency release notification, import notification required for manufacture, storage, import.		The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989. Gazin, 787, 1989.	27.11.89	1/B
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)
Iran (Islamic Republic of)	I						No Data.
Ireland	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Israel	I	Banned					5 (p. 32)
Italy	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Jamaica	I						No Data
Japan	R		Dioxin concentration in emission gas is regulated according to size of incinerator, by government order.		Emission standards of Dioxin and Dioxin-like Compounds, Environment Agency, Sep 1997	1997	2, (SF2, §§1,4) (rec'd 16.3.98 and 11.2.98)

Dioxins

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	I						No Data
Korea, Republic of	R		New mun. incinerators 50T or greater MPC. Existing mun. incinerators MPC, changes w/ date.		Ordinance on the waste management act, 1997. Korme, Art. 20, 1997.	19.07.97	1/B
Kuwait	I	Banned in agriculture and public health use.	Releases Controlled by EPA and WHO standards or regulations.		EPA standards, 1997, KWTEP, 1997	1997	1/B; 5 (p. 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	I						No Data.
Latvia	I		None.				(OSF §19)rec'd 9.10.97
Lebanon	I	Banned in agriculture and public health use.	New industries must follow environmental measures from Ministry of Environment				2 (SF2, §4) rec'd 13.2.98; A.Kaskas 12.8.98; 5 (p. 32)
Lithuania	I		Dioxin/furan control to be in amended regulation, w/ MPC.		Hazard Substances - Maximum Permissible Concentraiton of Chemicals Polluting Atmospheric Air of Dwelling Surroundings, 1993. LTUHS, HN 35, 1998	01.10.94	1/B
Luxembourg	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progresswive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Macedonia, The Former Yugoslav Republic of	I				inconclusive response.		M. Balaburski/S. Milad 21DEC1998
Madagascar	I				No Data.		n.d
Malaysia	L			Unregulated POPs			7 (pp 261-262)
Mali	I		Inconclusive.		Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997.		8 (p. 239).
Mauritius	I	Banned or severely restricted. No import, export or production.			"Pesticide Control Board;"	No Data.	2 (V.S. Fareed) rec'd 9.12.97
Mexico	I						No Data.
Moldova, Republic of	I	Inconclusive.	Inconclusive.	Inconclusive.			No Data.

Dioxins

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Mongolia	I	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market."	No Data.	2 (Dagva) rec'd 16.3.98
the Netherlands	R		Fuel MPC. Incinerations process MPC.		Decree on Organohalogen content of Fuels, 1989. & Decree on Air Emissions Waste Incineration (BLA '93), 1993	1989 & 1993	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)
New Zealand	R		Assessment of Sawmill Sites where PCP (dioxin as impurity) was used for fungicidal protection and/or timber preservation.		Health and Environmental Guidelines for Selected Timber Treatment Chemicals, 1997, NZLME, 1997. 1997.	1997	1/B
Nicaragua	I	POPs prohibited.					4 (pp. 38-39)
Niger	I			(research underway)	Not available.		2 (SF1, §9)D. Bawa rec'd 17.6.98
Nigeria	I		No Data.				No Data.
Panama	I	POPs prohibited.				1997	4 (pp. 38-39)
Paraguay	I			No specific legislation.			10 (p. 272)
Peru	I	POPs prohibited.			Register.	1991	4 (pp. 38-39)
Portugal	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progresswive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Romania	I				Not available.		SF1 submitted.
Russian Federation	L			"No control over dioxins and furans content in wastes or products is effected in Russia."	Milyaev, V. B. 1998. Inventory Taking and Effect Assessment of POPs in Russia and some CIS countries. From <i>Proceedings ...</i> 1998.		6 (p. 255)
Rwanda	I				Not available.		SF2 submitted.
Saint Kitts & Nevis	I	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No Data.

Dioxins

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings...</i> 1997.		8 (pp. 245-246)
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No Data.		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998
Singapore	I						No Data
Slovak Republic	I				Not available.		2 (L. Rosival 4MAR98)
Slovenia	I		Ambient monitoring (to european norms)		Regulation on the Types of Activity for which and Environmental Impact Assessment is Mandatory, 1996, SVNGS. No. 66. 1996	1996	1/B
South Africa	I						No Data.
Spain	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Sri Lanka	I						No Data
Suriname	I						No Data
Sweden	R	Technical products containing PCDD/PCDF as contaminants banned	Dioxin MCL in incinerator smoke stack gasses of 0.1ng/m ³ ; pulp/paper mill effluents regulated.		H. Björndal, Swedish Environmental Protection Agency	1970	2 (12.12.98, SF2 §4)
Switzerland	R	Precursors (PCBs and PCP) and contaminated industrial material prohibited.	Mun. Solid Waste Incinerators & Hazwaste incinerators need Nox removal system (removes PCDD and PCDF); autos: emissions standards, catalysts, and unleaded petrol.		Ordinance on Air Pollution Control (OAPC) (Luftreinhalteverordnung, (LRV)), 1985.CHEFC, AS 1986, 208, 1986	16.12.1985	1/B
Syrian Arab Republic	I	Banned in agriculture and public health use.					5 (p. 32)
Tajikistan	I		Inconclusive.	Inconclusive.			6 (p. 21)
Tanzania, United Republic of	I		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)
Thailand	I						No Data

Dioxins

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Togo	I						No Data.
Trinidad and Tobago	I	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	I	Banned in agriculture and public health use.					5 (p. 32)
United Kingdom	R		Prescribed processes require authorization; authority ensures BATs without excessive cost are implemented. Impl. Of EEC Directives 84/360/EEC, 94/67/EC, 76/769/EC, inter alia.		The Environmental Protection Act 1990. The Environmental Protection (prescribed processes and substances) Regulations 1991, GBRSI, 472, 1-23, 1991.	01.04.91	1/B, 2 (SF2 §4) 28DEC98
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-existent	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)
USA	R		Effluent limits based on BAT economically achievable for category/class of CWA. Release in excess of reportable quantity requires reporting to National Response Center		§§301(B)(2)(A) and 304 (B)(2) of CWA: 65 Toxic Pollutants; Clean Water Act, Section 307A - Toxic Pollutants. CFRUS, 40, 401, 15, 1990. & CERCLA: List of Hazardous Substances and Reportable Quantities, CFRUS, 40, 302 4 1990	1979	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	I						No Data
Vietnam	I				CUC MÔI TRƯỜNG (SF1, 5Jan99) National Environment Agency		"n/a" 2 (5JAN99)
Zambia	I						No Data
Zimbabwe	I						No Data

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.

Table 12

FURANS

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Furans

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Algeria	I						No Data.
Argentina	R		Limit to emissions into air for incinerators established covering design, operation, monitoring, EIS. Limits for soils in agricultural and residential uses. Category Y43: PCDFs.		National Law No. 24051/92 on Hazardous Waste - Regulatory Decree 831/93. (also provincial legislation of the province of Buenos Aires).	1993	10 (p. 215)
Armenia	I		none		Not available.		2(SF2, §§1,4) S. Shahazizya rec'd 6.5.98
Australia	I						No Data.
Austria	R		General ELV for Dioxin/Furan emissions of waste combustion facilities, copper production and sinter plants. Reducing ELV for iron and steel plants.		LRV-K (Air Ordinance for steam boilers); 163. Ordinance "Reduction of emissions for sinter plants"; 160. Ordinance "Reduction of emissions from sinterplants"	2004/2006	2 (SF2, §§1,4) rec'd 19.5.98
Bahrain	I						No Data.
Barbados	I	POPs prohibited.					4 (pp. 38-39)
Belarus	I	Production and use prohibited.			List of Chemical and Biological Means of Plant Protection Approved for Use in Agriculture for 1994-1998. Those excluded from the list are banned. See (6), p. 20.	1994	6 (p. 20)
Belgium	I						No Data.
Belize	I				No Data.		No Data.
Benin	I				No regulations exist.		2 (SF2, §4) D. Houeto, rec'd 23.6.98
Bolivia	I		No Data.	No Data.			10 (p. 235)
Botswana	L			Legislation inadequate or lacking for import and use; chemicals marketed and used.	Serumola, O. & B. Mbongwe, Chemical Substances Management in Botswana. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March, 1998.		9 (pp. 128-129)
Brazil	I				No Data.		2 (S. dS. Oliveira 11MAY98) Palestra.doc
Bulgaria	I				Not available.		2(SF1, §9) (SF2, §§1,4) rc'd 6.1.98
Burkina Faso	I		Inconclusive response.				No Data.
Cameroon	I						No Data.
Canada	I		Subject to future regulations	No intentional production.	2 (Raouf Morcos)	Not available.	2 (SF1, §3.11, 4.6)
Chile	I		No information available.		n/a (form 2 submitted)		2 (SF1, §9) rec'd 21.7.98; 10 (p. 240)

Furans

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
China	I				Emissions standards now under consideration.		2 (SF2, §§1,4)
Colombia	I	POPs prohibited.					4 (pp. 38-39)
Democratic Congo Republic	I						No Data.
Costa Rica	I		none indicated.		2(R.C. Cordoba DSTMT-CISQ-069-97) rec'd 10.12.97	n/a	2(R.C. Cordoba DSTMT-CISQ-069-97) rec'd 10.12.97 No Data.
Cote d'Ivoire	I		No Data.				No Data.
Croatia	R		Established limits of Ambient Quality Values, Pollution Emission Limit Values, etc.		The Act of Air Quality Protection (1995), Ordinance ofn Recommended and Limit Ambient Quality Values (1996); Rule Book of Environmental Pollutants Inventory (1966); Ordinance on Pollutants emission Limit Values from Stationary Sources (1997).	1995, 1996, 1997	2(SF2, §§1,4)A. Kutle rec'd 1.5.8
Cuba	I						No Data.
Cyprus	I						No Data.
Czech Republic	I		No Data.				No Data. (form 2 submitted)
Denmark	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progresswive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Dominica	I						No Data.
Ecuador	I	POPs prohibited.		Import of raw material (precursors) for their formulation. Illegal traffic and smuggling occur.	Register exists		4 (pp. 38-39)
Egypt	I						No Data.
Estonia	I						No Data.
Ethiopia	I						No Data.
Fiji Islands	I	Not exported, not imported. Production inconclusive.			Registrar of Pesticides (M.L Autar 8JUL98)	1985	2 (Table p.2, 10JUL98 F Keita-Outane, rec'd 10.7.98)

Furans

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Finland	R		Maximum Emission Limits for municipal waste incineration plants.		Order VNP 626, 1994, FINGO, 1994	1994	1/B
France	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Gambia, The	I		Inconclusive.		2 (SF2, §4 ref. Hazardous Chemicals and Pesticides Control and Management Act 1994.)	1994	2 (FJ Ndoye, rec'd 26.6.98)
Georgia	L			No current system of control or registration.			6 (p. 20)
Germany	R		Waste Incin. plants constr/ops w/i MPC. Sale restricted to products containing less than 1 ug/kg combined isomers (listed). Notification of use, formation, production, application, or disposal of sum conc. dioxins/furans exceeding 0.1 mg/kg or TCDD more than 0.01 mg/kg; waste incinerators constr/operated to meet MPC		Ord. On Incineration Plants for Waste & Similar Combustbl Matls (Verordnung ueber Verbrennungsanlagen fuer abfaelle und aehnliche brennbare stoffe - 17.BIMSCHV) BGZBAD, I, 2545, 1990. & Ord. On Prohibition of Chemicals (Chemikalien- verbotsverordnung BGZBAD I, 1498, 1996.	01.12.90 & 15.10.96	1/B
Ghana	I						No Data.
Greece	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Guatemala	I	POPs prohibited.					4 (pp. 38-39)
Guinea	I		inconclusive response		Chap. III au Titre 4 du Code: Les Substances Chimiques Nocives ou Dangereuses (045/PRG/87). Convention de Bâle (rat. 1996), Code Guineen sur la Protection et La Mise en Valeur de l ien (1987)		2 (SF1, §9) (SF2, §§1,4)
Hungary	I						No Data.
India	I						No Data.

Furans

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Indonesia	I	Inconclusive.	Inconclusive.	Inconclusive.			7 (pp. 249-257)
Iran (Islamic Republic of)	I						No Data.
Ireland	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Israel	I	Banned					5 (p. 32)
Italy	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Jamaica	I						No Data.
Japan	R		Dioxin concentration in emission gas is regulated according to size of incinerator, by government order.		Emission standards of Dioxin and Dioxin-like Compounds, Environment Agency, Sep 1997	1997	2, (SF2, §§1,4) (rec'd 16.3.98 and 11.2.98)
Kazakhstan	I		Inconclusive. Law on wastes is being worked out... to solve many POPs related issues.				6 (p. 20)
Kenya	I						No Data.
Korea, Republic of	I						No Data.
Kuwait	I	Banned in agriculture and public health use.			No Data.		5 (p. 32)
Kyrgyzstan	I	Inconclusive.	Inconclusive.	Uncontrolled import			6 (p. 21)
Lao, Peoples Democratic Republic	I						No Data.
Latvia	I		None.				(OSF §19)rec'd 9.10.97
Lebanon	I	Banned in agriculture and public health use.	New industries must follow environmental measures from Ministry of Environment				2 (SF2, §4) rec'd 13.2.98; A.Kaskas 12.8.98; 5 (p. 32)

Furans

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Lithuania	I		Dioxin/furan control to be in amended regulation, w/ MPC.		Hazard Substances - Maximum Permissible Concentration of Chemicals Polluting Atmospheric Air of Dwelling Surroundings, 1993. LTUHS, HN 35, 1998	01.10.94	1/B
Luxembourg	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Macedonia, The Former Yugoslav Republic of	I				inconclusive response.		M. Balaburski/S. Milad 21DEC1998
Madagascar	I				No Data.		n.d
Malaysia	L			Unregulated POPs			7 (pp 261-262)
Mali	I		Inconclusive.		Diara, Aboubacar, 1997. Pollution in Mali. In <i>Proceedings...</i> 1997. "Pesticide Control Board;"		8 (p. 239).
Mauritius	I	Banned or severely restricted. No import, export or production.				No Data.	2 (V.S. Fareed) rec'd 9.12.97
Mexico	I						No Data.
Moldova, Republic of	I	Inconclusive.	Inconclusive.	Inconclusive.			No Data.
Mongolia	I	Banned or severely restricted. Not used.			"List of Chemicals that are banned or severely restricted in the domestic market."	No Data.	2 (Dagva) rec'd 16.3.98
the Netherlands	R		Incinerations process MPC.		Decree on Air Emissions Waste Incineration (BLA '93), 1993	1993	1/B
Nepal	I	Inconclusive.	Inconclusive.	Inconclusive.	Manandhar, P. P. 1997. An Introduction to Identification and Initiatives Take to Reduce POPs Pesticides in Nepal.		7 (pp. 203-210)
New Zealand	I						No Data.
Nicaragua	I	POPs prohibited.					4 (pp. 38-39)
Niger	I			(research underway)	Not available.		2 (SF1, §9)D. Bawa rec'd 17.6.98
Nigeria	I		No Data.				No Data.
Panama	I	POPs prohibited.				1997	4 (pp. 38-39)
Paraguay	I			No specific legislation.			10 (p. 272)

Furans

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Peru	I	POPs prohibited.			Register.	1991	4 (pp. 38-39)
Portugal	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Romania	I				Not available.		SF1 submitted.
Russian Federation	L			"No control over dioxins and furans content in wastes or products is effected in Russia."	Milyaev, V. B. 1998. Inventory Taking and Effect Assessment of POPs in Russia and some CIS countries. From <i>Proceedings ...</i> 1998.		6 (p. 255)
Rwanda	I				Not available.		SF2 submitted.
Saint Kitts & Nevis	I	POPs prohibited.					4 (pp. 38-39)
Samoa (Western)	I						No Data.
Senegal	I	Inconclusive.	Inconclusive.	Inconclusive.	Toupane, Gaston, 1997. The Management of Chemical Substances in Senegal. In <i>Proceedings...</i> 1997.		8 (pp. 245-246)
Seychelles	I	Inconclusive.	Inconclusive.	Inconclusive.	No Data.		Barra, S. S. 1998. Controlling Hazardous Substances in the Seychelles. In <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998 No Data.
Singapore	I				Not available.		2 (L. Rosival 4MAR98)
Slovak Republic	I						No Data.
Slovenia	I		Ambient monitoring (to european norms)		Regulation on the Types of Activity for which and Environmental Impact Assessment is Mandatory, 1996, SVNGS, No. 66. 1996	1996	1/B
South Africa	I						No Data.

Furans

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
Spain	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Sri Lanka	I						No Data.
Suriname	I						No Data.
Sweden	R		Emissions of dioxins and furans from waste incineration plants shall be reduced by the most progressive techniques. MLVs, methods of measurement established. Transposition into national law of directive required. Also industrial safety, mfg. & storage requirements.		Council Directive 94/67/EC of 16DEC94 on the Incineration of Hazardous Waste, OJECFC, L67, 48, 1998; also Council Directive 96/82/EC 9DEC96 on the Control of Major-Accident Hazards Involving Dangerous Substances. OJECFC, L10, 13, 1997.	1997, 1998	1/B
Switzerland	R	Precursors (PCBs and PCP) and contaminated industrial material prohibited.	Mun. Solid Waste Incinerators & Hazwaste incinerators need Nox removal system (removes PCDD and PCDF); autos: emissions standards, catalysts, and unleaded petrol.		Ordinance on Air Pollution Control (OAPC) (Luftreinhalteverordnung, (LRV)), 1985.CHEFC, AS 1986, 208, 1986	16.12.1985	1/B
Syrian Arab Republic	I	Banned in agriculture and public health use.					5 (p. 32)
Tajikistan	I		Inconclusive.	Inconclusive.			6 (p. 21)
Tanzania, United Republic	L		Inconclusive.	No import restriction. Unregulated import.	Madete, A. An Overview of Chemical Management in Tanzania, in <i>Proceedings...</i> Lusaka, Zambia, 17-20 March 1998.		9 (pp. 210-211)
Thailand	I						No Data.
Togo	I						No Data.
Trinidad and Tobago	I	POPs prohibited.			Reglementation for import and registration in process for pesticides		4 (pp. 38-39)
Turkmenistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Ukraine	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
United Arab Emirates	I	Banned in agriculture and public health use.					5 (p. 32)

Furans

	Code*	Bans	Restrictions	Uses	References	Effective date	Data Source
United Kingdom	R		Industrial Processes (e.g. incinerators), restricting use of hexachloroethane in non-ferrous metals mfg, and the use of PCP.		(76/769/EC and 94/67/EC, Control of Pesticides Regulations) & The Environmental Protection Act 1990, GBRSl, 1990.	1990	1/B
Uruguay	L			National legislation, regulations and standards governing emission and disposal are non-existent.	Ugón, M. A. and S. Aguinaga, 1998 Brief Outline of POPs in Industry, Particularly in the Generation, Distribution and Consumption of Electricity in Uruguay. From <i>Proceedings...</i> Puerto Iguazu, Argentina, 1-3 April 1998.		10 (p. 177)
USA	R		Emergency planning required. Release in excess of reportable quantity requires reporting to National Response Center		SARA §302(A) EPCRA. CFRUS, 40, 355, 1990. & CERCLA: List of Hazardous Substances and Reportable Quantities, CFRUS, 40, 302, 4, 1990	1987, 1990	1/B
Uzbekistan	I	Inconclusive.	Inconclusive.	Inconclusive.			6 (p. 22)
Venezuela	I						No Data.
Vietnam	I				CUC MÔI TRUỒ'NG (SF1, 5Jan99) National Environment Agency		"Not available" 2 (5JAN99)
Zambia	I						No Data.
Zimbabwe	I						No Data.

*Code indicates status as follows: B1 = substance banned for all uses; B2 = substance banned for principal use; B3 = substance banned or severely restricted under EU regulations; S = substance severely restricted; R = restricted; I = inconclusive data; not possible to determine status; L = lacking legislation. For other codes, see preceding tables.
