

Form 1

POPs Pesticides, Hexachlorobenzene (HCB) and PCBs

**Please send the completed form to
UNEP Chemicals**

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<p><u>Country (or region)</u></p> <p>Japan</p>	<p><u>Contact person</u></p>
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▶ **IMPORTANT: See instructions before filling the form** ◀

SECTION 1. POPs IDENTITY					
1.1	Substance name (<i>Check one of the following substances</i>)				
	<input checked="" type="checkbox"/> Aldrin	<input type="checkbox"/> Hexachlorobenzene			
	<input type="checkbox"/> Dieldrin	<input type="checkbox"/> Mirex			
	<input type="checkbox"/> DDT	<input type="checkbox"/> Toxaphene			
	<input checked="" type="checkbox"/> Endrin	<input checked="" type="checkbox"/> Heptachlor			
	<input type="checkbox"/> Chlordane	<input type="checkbox"/> PCBs			
1.2	Generic names for product, mixture or formulation used		Percentage of active ingredient in product, mixture or formulation		
<p>Comments:</p> <p>Registered in 1957 as an agricultural pesticide and withdrawn in 1975</p>					
SECTION 2. PRODUCTION, IMPORT AND EXPORT DATA					
			Quantity per year (active ingredient)	Year	Specification
2.1	1. Produced for <i>use</i>	<input checked="" type="checkbox"/>	0	1996	
	2. Produced as <i>by products</i>	<input type="checkbox"/>			
	3. Produced as <i>impurity</i>	<input type="checkbox"/>			
	4. <i>Other</i>	<input type="checkbox"/>			
<p>Comments:</p> <p>Heptachlor was classified as the class I specified chemical substance by Chemical Substance Control Law in 1986 and since then it has not been permitted for production.</p>					
			Quantity per year (active ingredient)	Year	Specification
2.2	1. Imported for <i>use</i>	<input checked="" type="checkbox"/>	small	1996	For testing and research
	2. Imported as <i>impurity</i>	<input type="checkbox"/>			
	3. Imported for <i>destruction</i>	<input type="checkbox"/>			
	4. <i>Other</i>	<input type="checkbox"/>			
<p>Comments:</p> <p>The import of heptachlor is permitted only in a tiny amount for the purpose of scientific research by Chemical Substance Control Law.</p>					



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Data Source: MITI					
			Quantity per year (active ingredient)	Year	Specification
2.3	1. Exported for <i>use</i>	<input checked="" type="checkbox"/>	0	1996	
	2. Exported as <i>impurity</i>	<input type="checkbox"/>			
	3. Exported for <i>destruction</i>	<input type="checkbox"/>			
	4. <i>Other</i>	<input type="checkbox"/>			

Comments:

Government according to export control order would check the export of heptachlor if there were any. No export has been reported since 1992.

SECTION 3. LOCAL USE

Use type (see instructions)	Quantity used per year	Quantity reported as: (Check <u>one</u> only)	Year	Specific legal restriction to use			
				Yes	No	Description	Year
3.1 for testing and research	0.01 kg/year	Active ingredient <input checked="" type="checkbox"/> Formulation <input type="checkbox"/> Mixture <input type="checkbox"/>	1996	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Chemical Substance Control Law (article 14)	1973

Data Source:

Chemical Reagent Makers' Research by MITI

SECTION 4. ALTERNATIVES

Use type (see instructions)	Availability and use	Chemical alternatives name/short description	Non-chemical alternative name/short description	Reasons for not selecting alternatives
4.1	Available <input type="checkbox"/> Selected often <input type="checkbox"/> Selected rarely <input type="checkbox"/> Never selected <input type="checkbox"/>	NA	NA	Cost <input type="checkbox"/> Effectiveness <input type="checkbox"/> Other <input type="checkbox"/>

SECTION 5. STOCKPILE IDENTIFICATION

	Is the POP stockpiled?	Quantity	Stockpile Location(s)
5.1	As a Product		Severely controlled in locked room
	Yes (if Yes, please specify)	Active ingredient <input checked="" type="checkbox"/> Formulation <input type="checkbox"/> Mixture <input type="checkbox"/> Other <input type="checkbox"/>	
	No <input type="checkbox"/>		
5.2	As a Recyclable		
	Yes (if Yes, please specify)	Active ingredient <input type="checkbox"/> Formulation <input type="checkbox"/> Mixture <input type="checkbox"/> Other <input type="checkbox"/>	
	No <input checked="" type="checkbox"/>		
5.3	As a Waste		
	Yes (if Yes, please specify)	Active ingredient <input type="checkbox"/> Formulation <input type="checkbox"/> Mixture <input type="checkbox"/> Other <input type="checkbox"/>	
	No <input type="checkbox"/>		



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Comments:

Formulations of DDT, aldrin dieldrin and endrin, etc. were put in the concrete boxes and buried in the ground where there was no danger to pollute the soil or underground water from 1971 to 1972. The total quantity of the buried substances was about 4000 ton. The safety of the areas around the places where the concrete boxes were buried was confirmed by the monitoring of the water quality and the condition of the concrete boxes.

Data Source:

Chemical Reagent Makers' Research by MITI

SECTION 6. RELEASE TO ENVIRONMENTAL COMPARTMENTS

	Is the POP Released to environment?	Origin of Release	Quantity	Location
6.1	Air Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural pest control <input type="checkbox"/>	_____	_____
		Non-Agricultural pest control <input type="checkbox"/>	_____	_____
		Industrial activity <input type="checkbox"/>	_____	_____
		Waste disposal <input type="checkbox"/>	_____	_____
		Other <input type="checkbox"/>	_____	_____
6.2	Water Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural pest control <input type="checkbox"/>	_____	_____
		Non-Agricultural pest control <input type="checkbox"/>	_____	_____
		Industrial activity <input type="checkbox"/>	_____	_____
		Waste disposal <input type="checkbox"/>	_____	_____
		Other <input type="checkbox"/>	_____	_____
6.3	Soil Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Agricultural pest control <input type="checkbox"/>	_____	_____
		Non-Agricultural pest control <input type="checkbox"/>	_____	_____
		Industrial activity <input type="checkbox"/>	_____	_____
		Waste disposal <input type="checkbox"/>	_____	_____
		Other <input type="checkbox"/>	_____	_____

SECTION 7. POPULATION EXPOSURE

	Are humans exposed to the POP	Exposure type	Total estimated levels	Comments:
7.1	Yes <input type="checkbox"/> No <input type="checkbox"/>	Occupational <input type="checkbox"/>	_____	_____
		Consumer <input type="checkbox"/>	_____	_____
		Residential <input type="checkbox"/>	_____	_____
		Accident/Poisoning <input type="checkbox"/>	_____	_____
		Other (please specify) <input type="checkbox"/>	_____	_____

SECTION 8. RELEASE AND EXPOSURE MONITORING

	Monitoring type	Short description (add separate page if needed)
8.1	Ambient air	Heptachlor was surveyed in FY 1986, and was not detected in any air sample (out of 73)
	Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.2	Ground water	NA
	Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.3	Surface water	Heptachlor was surveyed in FY 1981, and was not detected in any water sample (out of 125). It was also detected in 14 (out of 87) sediment samples.
	Yes <input type="checkbox"/> No <input type="checkbox"/>	



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8.4	Point air Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.5	Point water Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.6	Soil Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.7	Ecosystem Yes <input type="checkbox"/> No <input type="checkbox"/>	Heptachlor in fish was surveyed in FY 1981, and was detected in 9 (out of 110) samples.
8.8	Human Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.9	Agricultural commodity Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.10	Food products Yes <input type="checkbox"/> No <input type="checkbox"/>	

SECTION 9. REGULATORY ACTIONS TAKEN TO CONTROL THE USE OF THE POP

	Action type to control the manufacture, importation, distribution in commerce, use or disposal	Short description (add separate page if needed)	Reference
9.1	Public health standards or regulations	Production, import and use of heptachlor are almost prohibited under Chemical Substances Control Law. The use of heptachlor in open system is banned by the same law.	
9.2	Occupational standards or regulations		
9.3	Environmental standards or regulations		
9.4	Guidance Document	Chemical Substances Control Law	
9.5	Voluntary programme		
9.6	Other (e.g., Governmental order, international agreements)		
9.7	No action		

SECTION 10. REPORT ON CASE STUDIES ON POPs-RELATED PROBLEMS IN YOUR COUNTRY (Please provide a copy of the full report if available)

		Short description (add separate page if needed)
10.1	Site location	
10.2	Human activities in which the substance is used or generated	



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10.3	Pathways and distribution of POP	
10.4	Environmental Impacts	
10.5	Human health impact	
10.6	Economic value of the activities at the national level, (poverty alleviation, health improvement)	
10.7	Conclusions	

SECTION 11. DO YOU HAVE A NATIONAL ACTION PLAN TO CONTROL THE USE AND RELEASES OF THIS POP?

No Yes Planned Implemented

Please provide a short description (add separate page if needed)

The registration of heptachlor for Agricultural Pesticide was withdrawn in 1975

*NATIONAL/REGIONAL ACTION PLANS are programmes designed to control, reduce or eliminate the releases of POPs. They may include regulatory actions and other actions aiming at the phasing out of one or more POPs and/or promoting the use of alternative substances or techniques.