

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> SWEDEN</p>	<p><u>Contact person</u> Winnie Birberg</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 type="checkbox"/> Aldrin <input type="checkbox"/> Dieldrin <input type="checkbox"/> DDT <input type="checkbox"/> Endrin <input type="checkbox"/> Chlordane	<input checked="" type="checkbox"/> Hexachlorobenzene <input type="checkbox"/> Mirex <input type="checkbox"/> Toxaphene <input type="checkbox"/> Heptachlor <input type="checkbox"/> PCBs

1.2	Generic names for product, mixture or formulation used	Percentage of active ingredient in product, mixture or formulation
	1.	
	2.	
	3.	

Comments: according to the Swedish Products Register, HCB can only be found as an impurity in some chemical products in very small amounts (see section 2).

Data Source:

SECTION 2. PRODUCTION, IMPORT AND EXPORT DATA

		Quantity per year (active ingredient)	Year	Specification	
2.1	1. Produced for <i>use</i>	<input type="checkbox"/>	NA		
	2. Produced as <i>by products</i>	<input type="checkbox"/>	NA		
	3. Produced as <i>impurity</i>	<input checked="" type="checkbox"/>	0.176 kg	1996	Cas n° 118-74-1
	4. <i>Other</i>	<input type="checkbox"/>	NA		

Facility locations: NA

Comments:

Data Source: The Swedish Products Register.

			Quantity per year (active ingredient)	Year	Specification
2.2	1. Imported for <i>use</i>	<input type="checkbox"/>	NA		
	2. Imported as <i>impurity</i>	<input checked="" type="checkbox"/>	0.0026 kg	1996	Cas n° 118-74-1
	3. Imported for <i>destruction</i>	<input type="checkbox"/>	NA		
	4. <i>Other</i>	<input type="checkbox"/>	NA		

Origins: NA

Comments:

Data Source: The Swedish Products Register

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

Destinations: NA

Comments:

Data Source: The Swedish Products Register

SECTION 3. LOCAL USE

Use type <i>(see instructions)</i>	Quantity used per year	Quantity reported as: <i>(Check <u>one</u> only)</i>	Year	Specific legal restriction to use			
				Yes	No	Description	Year
3.1		Active ingredient <input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
		Formulation <input type="checkbox"/>					
		Mixture <input type="checkbox"/>					
3.2		Active ingredient <input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
		Formulation <input type="checkbox"/>					
		Mixture <input type="checkbox"/>					
3.3		Active ingredient <input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
		Formulation <input type="checkbox"/>					
		Mixture <input type="checkbox"/>					
3.4		Active ingredient <input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
		Formulation <input type="checkbox"/>					
		Mixture <input type="checkbox"/>					

Comments:

Data Source: The Swedish Products Register

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 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 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 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"/>	_____	_____

Comments:

Data Source:

SECTION 7. POPULATION EXPOSURE

	Are humans exposed to the POP	Exposure type	Total estimated levels	Comments:
7.1	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Occupational <input type="checkbox"/>	_____	see section 8 _____ _____ _____
		Consumer <input checked="" type="checkbox"/>	_____	
		Residential <input type="checkbox"/>	_____	
		Accident/Poisoning <input type="checkbox"/>	_____	
		Other (please specify) <input type="checkbox"/>	_____	

Data Source:

SECTION 8. RELEASE AND EXPOSURE MONITORING

	Monitoring type	Short description (add separate page if needed)
8.1	Ambient air Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.2	Ground water Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.3	Surface water Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Reference: Third Periodic Assessment of the State of the Marine Environment of the Baltic Sea, 1989-1993, Background document n°64B, 1996; Helsinki Commission, Baltic Marine Environment Protection Commission.
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 checked="" type="checkbox"/> No <input type="checkbox"/>	References: - Third Periodic Assessment of the State of the Marine Environment of the Baltic Sea, 1989-1993, Background document n°64B, 1996; Helsinki Commission, Baltic Marine Environment Protection Commission. - Arctic Pollution Issues: A state of the Arctic Environment report, AMAP (Arctic Monitoring and Assessment Programme), Oslo 1997: The complete scientific documentation, including sources for figures reproduced in this report is contained in a related report which is fully referenced. The report will be published before summer 1998
8.8	Human Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	** (enclosed)
8.9	Agricultural commodity Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	** (enclosed)
8.10	Food products Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	** (enclosed)

Comments:

Data Source:

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- Comments concerning the National Swedish Contaminant Monitoring programme in fresh Water Biota, Compiled by A.Bignert, Contaminant Research Group at the Swedish Museum of natural history; Chemical analysis: Institute of Applied Environmental research at the University of Stockholm (organochlorines), 1997.
- Comments concerning the National Swedish Contaminant Monitoring programme in fresh Water Biota, Compiled by A.Bignert, Contaminant Research Group at the Swedish Museum of natural history; Chemical analysis: Institute of Applied Environmental research at the University of Stockholm (organochlorines), 1996
- Organochlorine Pesticides, Polychlorinated Biphenyls and Dioxins in Human Milk from Swedish Mothers, S.S. Atuma, L.Hansson, H.Johnsson, S.Slorach, C.L. de Wit and G. Lindström, accepted for publication in *Food Additives and Contaminants*.
- Levels of some Organochlorine Compounds in Sea Trout (*Salmo trutta*) and Witefish (*Coregonus lavaretus*) from the Gulf of Bothnia, S.S. Atuma, Ö. Andersson, C.E. Linder and L. Hansson, *Aqua Fennica* 23,2(1993).
- Survey of Consumption Fish from Swedish waters for Chlorinated Pesticides and Polychlorinated Biphenyls, S.S. Atuma, C.E. Linder, A. Wicklund-Glynn, Ö. Andersson, and L. Larsson, *Chemosphere* 33(5), 791-799, 1996.
- Organiska klorföreningar I fisk- Resultat fran orienterande undersökningar 1985-1995 (Organochlorine compounds in fish- results from survey 1985-1995), National Food Administration, Sweden, Report 2/97, 1997 (in Swedish).
- Higher concentrations of specific polychlorinated biphenyls congeners in adipose tissue from non-Hodgkin's lymphoma patients compared with controls without a malignant disease, L. Hardell, B. van Bavel, G. Lindström, M. Fredriksson, H. Hagberg, G. Liljegren, M. Nordström and B. Johansson, *International Journal of Oncology*, 9: 608-613, 1996.
- Adipose tissue concentrations of congener specific polychlorinated biphenyls, DDE and hexachlorobenzene in breast cancer patients evaluated in a case-control study, G. Liljegren, L. Hardell, G. Lindström, P. Dahl and A. Magnuson, *Journal of Cancer Prevention*, 1997, in press.



POPs PROFILE INFORMATION REPORTING FORM



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		
9.2	Occupational standards or regulations		
9.3	Environmental standards or regulations		
9.4	Guidance Document		
9.5	Voluntary programme		
9.6	Other (e.g., Governmental order, international agreements)	In the European Community imports from and exports to third countries (outside the European Community) of PCB is regulated by the Council Regulation (EEC) n°2455/92 of July 1992 concerning the export and import of certain dangerous chemicals. The regulation does not apply to substances or preparations imported or exported for the purpose of analysis or scientific research and development (see above regulation Article 1 bis 3). For your information the European database EDE XIM on notification of export and import of certain dangerous chemicals is available at DG XI E2 BU-5.	Enclosed
9.7	No action		
<u>Comments:</u>			
<u>Data Source:</u>			

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	
10.3	Pathways and distribution of POP	
10.4	Environmental Impacts	
10.5	Human health impact	See enclosed references.
10.6	Economic value of the activities at the national level, (poverty alleviation, health improvement)	
10.7	Conclusions	
<u>Comments:</u>		
<u>Data Source:</u>		
SECTION 11. DO YOU HAVE A NATIONAL ACTION PLAN TO CONTROL THE USE AND RELEASES OF THIS POP?		
No <input type="checkbox"/>	Yes <input type="checkbox"/>	Planned <input checked="" type="checkbox"/> Implemented <input type="checkbox"/>
Please provide a short description (add separate page if needed)		
<p>In Sweden, concentration limits apply for using the substance in chemical products to be placed on the market and supplied to the general public. Special labelling is required.</p> <p>The Swedish Government will set up environmental objectives for persistent organic pollutants during 1998, which will result in action plans from the Swedish authorities. (see also enclosed report: Towards a sustainable Chemical Policy, Chemicals Policy Committee, Government Official reports 1997:87, ministry of the Environment 1997).</p>		
<u>Comments:</u>		
<u>Data Source:</u>		

*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.