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PART I - PRODUCTION, TRADE AND USE OF PCBs

1. Apparent Consumption of PCBs by Type

Apparent consumption is defined as equal to production plus imports minus exports. The following tabulations refer to PCBs produced nationally or traded internationally, and exclude PCBs contained in traded goods eg. PCB impregnated paper, PCBs in paints, etc..

The tabulations are designed for the reporting of statistics by PCB Type (as defined in the Introduction to this Schedule), however some difficulty may be experienced for the present in providing such statistics covering trade. Export statistics by PCB Type may not be immediately available in official statistical series (but they should in principle be available from the industry), and the relevant import statistics may also be difficult to achieve. To make allowance for these possibilities, the present Schedule contains provision for the reporting of Import and Export statistic by other means than by PCB Type (See Sections 1.2, 1.3 and 1.4).

1.1 Production of PCBs by Type

Type of PCB	Production[a] (metric tons)
Aroclor 1221	37.09
Aroclor 1016	11406.09
Aroclor 1242	3204.19
Aroclor 1254	3746.27

Note a : Secondary production (recovery) of PCBs is assumed for the purposes of this Schedule to be subsumed in the figure recorded here.

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PART I (CONTD)

1. Apparent Consumption of PCBs by Type (contd)

1.3 Import of PCBs

Statistics should be entered in this section by Type (as defined in the Introduction). Alternative categories of exports may be used, provided they are described in the tabulation of Section 1.4. All quantities should be in metric tons.

PCB by Type (or other category by code) / Country of destination	Aroc. 1221	Aroclor 1016	Aroclor 1242	Aroclor 1254	Total Exports (by country)
OECD Member country :					
Australia		71.58	8.60	[illegible]	80.18
Canada		468.88		1087.28	1556.16
United Kingdom					0
Total OECD Countries	0	540.46	8.60	1087.28	1636.34
Non OECD Countries		509.66	197.25	109.02	815.93
Total Exports by type (or other category)		1050.12	205.85	1196.30	2425.27

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PART I (CONT'D)

1. Apparent Consumption of PCBs by Type (contd)

1.5 Estimation of Apparent Consumption of PCBs[b,c]

PCB Type	Production (from 1.1) ADD	Import (from 1.2) ADD	Export (from 1.3) SUBTRACT	Apparent Consumption (by PCB type) EQUALS
Aroclor 1221	37.09		0	
Aroclor 1016	11406.09		1050.12	
Aroclor 1242	3204.19		205.85	
Aroclor 1254	3746.27		1196.30	
Total PCBs (by sector)	18393.64		2452.27	

Note b : All figures to be in metric tons.

c : Depending on the nature of the presently available statistics for imports and exports, it may not be possible to complete this tabulation in detail (eg. import categories of Section 1.4 may contain chemicals other than PCBs, or used PCBs imported for regeneration). In such cases, estimates of import and export figures, either for PCBs by Type, or solely for Total PCBs (by Sector) should be made, and an explanatory note appended to this Schedule as an additional page.

NUMBER OF PAGES APPENDED UNDER PART I, SECTION 1.5 ☐

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PART I (CONT'D)

2. Consumption of PCBs in Manufactured Products[d]

Product \ PCB Type	Aroclor 1221	Aroclor 1016	Aroclor 1242	Aroclor 1254
Transformers Capacitors (large)[e] Capacitors (small)[e]	25.91	9979.55	2821.36	2811.36
Heat Transfer Systems				
Hydraulic Equipment				
Vacuum Pumps				
Lubricating, Cutting Oils				
Plasticisers : copying paper, paints, inks, etc.				
Other (specify) :				
Total Use (by Type)				

Note d : Units should be metric tons

e : The definition of this distinction between small and large capacitors appears at present to be incompletely resolved. Respondents to this Schedule are therefore requested to append additional pages explaining their own operative definition, together with technical information as appropriate.

NUMBER OF PAGES APPENDED UNDER PART I, SECTION 2 [ ]

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PART II (CONT'D)

2. Treatment of Used and Contaminated PCB-Containing Liquids

Treatment Plant Identification	Liquid Processed (metric tons)	PCB Recovered (metric tons)	Est'd PCBs Destroyed (metric tons)	For Plants Destructing PCBs[f]			
				Combustion Temp.(°C)	Residence Time (sec.)	Stack Gas Concn	
						PCBs (ug/m^3)	HCl (ug/m^3)
Monsanto Co. Sauget, Ill. U.S.A.	1259.75	0	1133.77	—	—		
Totals							

Note f : It is important that environmental contamination does not follow from the incomplete destruction of the PCBs. For complete destruction, a residence time of at least 2 seconds at a gas temperature of 1000°C (or equivalent conditions) is considered necessary. Stack gas monitoring for PCBs and HCl (a PCB breakdown product) measures the environmental efficiency of the plant operating conditions.

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