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A PVC substance flow analysis for Sweden. Part IV: Spreadsheets & calculations

Tukker, A.; Kleijn, R.; Oers, L.F.C.M. van; Smeets, E.R.W.

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Review of the calculation procedure

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A PVC substance flow analysis for Sweden

Part IV: Spreadsheets and calculations

Report for:
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and
Centre of Environmental Science Leiden

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Author(s):

A. Tukker (TNO Centre for Technology and Policy Studies)
R. Kleijn (Centre of Environmental Science Leiden)
L. van Oers (Centre of Environmental Science Leiden)
E.R.W. Smeets (TNO Centre for Technology and Policy Studies)

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Review of the calculation procedure

Part II reviews by PVC-chain section the inventory tables for environmental interventions for each process in the studied PVC system. It also gives the mass flows of PVC and the related additives by segment. We here briefly review how the results showed in part I were calculated from the inventory data given in this part. The following steps have been taken. As an annex, the spreadsheets with the calculations of the mass flows and scores are included. The spreadsheets are directly taken from the calculation programme and rather primitive in lay-out. Due to the rather difficult composition of some end-use products (more than one PVC-intermediate) outside the main structure of the spreadsheets some additional calculations had to be made. Those parts might need some effort to understand the structure of the calculation.

1. Inventory and allocation

For all the individual processes/boxes indicated in the flow chart given in part I the inputs of raw materials, outputs of waste and products, and emissions are described in separate paragraphs in this part.

The chlorine, EDC/VCM and PVC production are processes where more than 1 product is made (like sodium hydroxide and chlorine in the chloralkali electrolysis). Of course from such processes a single emission figure for a substance is obtained, which needs to be 'divided' (allocated) between the individual products: in this study we only need the emissions for which we can 'blame' the PVC-chain, and not e.g. the emissions for which we have to 'blame' e.g. the sodiumhydroxide chain. Therefore chapter 1 to 3 of part II describe thoroughly which emissions were, by which procedure, allocated to the studied PVC-chain system. When allocation takes place, the emissions allocated to the PVC system are thus in general lower than the total emissions of a plant, since part of the emissions is allocated to the system related to the other product.

After allocation we end with a set of flows (PVC, phthalates, lead, organotin) *between* the boxes in the flow chart in part I, and with the emissions *from* each box in the flowchart in part I. The following spreadsheets review these data, also given in part II:

- composition of PVC-intermediates: gives the amount of additives per 100 parts pure PVC, as a basis for further calculations;
- the PVC-mass balance for the *production of PVC* and the manufacturing of *PVC intermediates* in Sweden, including import/export. Separate spreadsheets give the related phthalate- and other additive flows;
- the PVC-mass balance for the manufacturing of *final products* of PVC in Sweden, including import/export. Separate spreadsheets give the related phthalate- and other additive flows;
- the *PVC stock* and the *PVC waste flow* in Sweden. Separate spreadsheets give the related phthalate- and other additive flows.
- the *emissions allocated to PVC by segment*.

2. Characterization.

In a second step, all emissions inventoried for one of the boxes are multiplied with *equivalency factors* to calculate the *scores on environmental themes* related to the emissions from this box. For each theme one spreadsheet is given with the outcome of the calculation. The calculations can be checked by multiplying the *equivalency factor* given in this spreadsheet with the *emission of the substance* given in the spreadsheet 'Emissions allocated to PVC'.

The total scores by PVC-chain section for all substances together are summed up in the spreadsheet 'Not normalised theme scores'

3. Normalisation

In the last step, nine scores on different themes calculated for each segment are divided for each theme by the *total Swedish theme scores*, which were calculated by Tukker & Kleijn (1996b). This results in the contribution by segment to the Swedish total. These values are the basis for the figures giving a breakdown of the scores by segment in parts I and III. Of course, when the contributions of all segments are summed up by theme, one gets the *total contribution of the Swedish PVC-chain* to the Swedish total, as shown in the spreadsheet Normalised theme scores.

In an additional spreadsheets *weighted scores* are calculated: in that spreadsheet the normalized scores have been multiplied by the DtT factor given for the theme at stake (see part III).

Inventory: Mass flows and emissions

Amounts (kg) at input and output of activities in various processes	Electricity	Heat	Water	CO ₂	CH ₄	N ₂ O	SO ₂	NO _x	PM ₁₀	PM _{2.5}	Other	Other
Electricity	100	100	100	100	100	100	100	100	100	100	100	100
Heat	100	100	100	100	100	100	100	100	100	100	100	100
Water	100	100	100	100	100	100	100	100	100	100	100	100
CO ₂	100	100	100	100	100	100	100	100	100	100	100	100
CH ₄	100	100	100	100	100	100	100	100	100	100	100	100
N ₂ O	100	100	100	100	100	100	100	100	100	100	100	100
SO ₂	100	100	100	100	100	100	100	100	100	100	100	100
NO _x	100	100	100	100	100	100	100	100	100	100	100	100
PM ₁₀	100	100	100	100	100	100	100	100	100	100	100	100
PM _{2.5}	100	100	100	100	100	100	100	100	100	100	100	100
Other	100	100	100	100	100	100	100	100	100	100	100	100
Other	100	100	100	100	100	100	100	100	100	100	100	100
Electricity	100	100	100	100	100	100	100	100	100	100	100	100
Heat	100	100	100	100	100	100	100	100	100	100	100	100
Water	100	100	100	100	100	100	100	100	100	100	100	100
CO ₂	100	100	100	100	100	100	100	100	100	100	100	100
CH ₄	100	100	100	100	100	100	100	100	100	100	100	100
N ₂ O	100	100	100	100	100	100	100	100	100	100	100	100
SO ₂	100	100	100	100	100	100	100	100	100	100	100	100
NO _x	100	100	100	100	100	100	100	100	100	100	100	100
PM ₁₀	100	100	100	100	100	100	100	100	100	100	100	100
PM _{2.5}	100	100	100	100	100	100	100	100	100	100	100	100
Other	100	100	100	100	100	100	100	100	100	100	100	100
Other	100	100	100	100	100	100	100	100	100	100	100	100

Amounts of additives in different PVC products (in phr)															
	relative amounts	DEHP	BBP	DIDP	Pb	organotin	SnS	CaCO ₃	Ba/Zn	Ca/Zn	SbO ₃	Pigments	MBS	Process air	Lubricant
pipes		0,0	0,0	0,0	0,75	0,00	0,00	3,0					3,0	0,3	
flooring		30,0	8,3	0,0	0,00	0,035	0,45		2,1	0,1					
- calandered	12800	30,0	0,0	0,0	0,00		0,00		1,5	0,1					
- coated	15800	30,0	15,0	0,0	0,00		1,00		2,5	0,1					
cables		16,7	0,0	33,3	2,80	0,00	0,00	50,0		1,5					
profiles		0,0	0,0	0,0	0,50	0,00	0,00	8,7		3,0			7,66		0,2
films&foils		10,0	0,0	0,0	0,00	1,22	0,00								
-rigid	8640	0,0	0,0	0,0	0,00	2,03	0,00		0,0				6,0		
-semi-flexible	5760	25,0	0,0	0,0	0,00	0,00	0,00		1,5				0,0		
Paint & plastisol		40,0	0,0	0,0	0,00	1,11	0,00			1,6	7,5	25,0			
-car undercoating		100,0	0,0	0,0											
soft pipes & hoses		50,0	0,0	0,0	2,63	0,00	0,00	50,0		1,5					
-medical (46%)	46	50,0	0,0	0,0	2,63			50,0		1,5					
-other (54%)	54	50,0	0,0	0,0	2,63			50,0		1,5					
coated fabrics		55,0	0,0	10,0	0,00	0,00	0,00		2,0			2,0			
Electrical equipment		4,4	0,0	8,8	1,1	0,0	0,0	19,6	0,0	2,6	0,0	0,0	5,6	0,0	0,1
Note: phr electrical equipment calculated on the basis of 830 ton cables and 2300 ton profiles															

Market Balance for PVC 3.3.2
Production, Import and Export of raw PVC (italic = ton PVC, normal = ton Cl)

	Production		Import		Export		Domestic use	
p-PVC	26322	45654	11154	19346	24446	42400	13030	22600
s-PVC	58535	101526	21894	37974	34997	60700	45432	78800
Compound				5400		5300		100
Total	84857	147180	33048	62720	59442	108400	58462	101500

Raw PVC market in Sweden (3.3.3) (1994)
Manufacturing of intermediate products from raw PVC (italic=ton PVC, normal=ton Cl)

Manufacturing market	Compound		p-PVC		s-PVC		Total production		Import		Export		Domestic use	
Pipes					16605	28800	16605	28800	2133	3700	4094	7100	14644	25400
Flooring			9109	15800	7380	12800	16489	28600	3632	6300	11473	19900	8648	15000
Cables					7437	12900	7437	12900	1153	2000	1730	3000	6861	11900
Profiles					5996	10400	5996	10400	519	900	288	500	6227	10800
Foils and films					8302	14400	8302	14400	9455	16400	8072	14000	9686	16800
Paint/Plastisol			2594	4500			2594	4500	288	500	577	1000	2306	4000
Soft tubes/hoses					750	1300	750	1300	288	500	0	0	1038	1800
coated fabrics			1326	2300			1326	2300	1845	3200	0	0	3171	5500
Stock differences/other		100			-1038	-1800	-1038	-1700						
Total		100	13030	22600	45432	78800	58462	101500	19314	33500	26233	45500	52581	91200

Phthalates in raw PVC market in Sweden (3.3.3) (1994)

Use of Phthalates in manufacturing of intermediate products from raw PVC

Manufacturing market	DEHP(ton)	BBP(ton)	DIDP(ton)	Total production	Import				Export				Domestic Use			
					DEHP	BBP	DIDP	TOTAL	DEHP	BBP	DIDP	TOTAL	DEHP	BBP	DIDP	TOTAL
Pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flooring	8580	2370	0	10950	1890	522	0	2412	5970	1649	0	7619	4500	1243	0	5743
Cables	2150	0	4300	6450	333	0	667	1000	500	0	1000	1500	1983	0	3967	5950
Profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Foils and films	1440	0	0	1440	1640	0	0	1640	1400	0	0	1400	1680	0	0	1680
Paint/Plastisol	1800	0	0	1800	200	0	0	200	400	0	0	400	1600	0	0	1600
Soft tubes/hoses	650	0	0	650	250	0	0	250	0	0	0	0	900	0	0	900
coated fabrics	1265	0	230	1495	1760	0	320	2080	0	0	0	0	3025	0	550	3575
Stock differences/other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	15885	2370	4530	22785	6073	522	987	7582	8270	1649	1000	10919	13688	1243	4517	19448

Additives in raw PVC market in Sweden (3.3.3) (1994)																
Use of additives in manufacturing of intermediate products from raw PVC																
					Import				Export				Domestic Use			
Manufacturing market	Pb(ton)	organotin(ton)	SnS(ton)	Total production	Pb	organotin	SnS	TOTAL	Pb	organotin	SnS	TOTAL	Pb	organotin	SnS	TOTAL
Pipes	216	0	0	216	28	0	0	28	53	0	0	53	191	0	0	191
Flooring	0	10	128	138	0	2	28	30	0	7	89	96	0	5	67	72
Cables	361	0	0	361	56	0	0	56	84	0	0	84	333	0	0	333
Profiles	51	0	0	51	4	0	0	4	2	0	0	2	53	0	0	53
Foils and films	0	175	0	175	0	199	0	199	0	170	0	170	0	204	0	204
Paint/Plastisol	0	50	0	50	0	6	0	6	0	11	0	11	0	44	0	44
Soft tubes/hoses	34	0	0	34	13	0	0	13	0	0	0	0	47	0	0	47
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stock differences/other	0	0	0	0					0	0	0	0	0	0	0	0
Total	663	235	128	1026	101	207	28	337	140	188	89	417	624	254	67	945

Manufacturing of final products with PVC components (ton PVC)													
	Pipes	Flooring	Cables	Profiles	Foils and films	Paint/Plastisol	Soft pipes/hoses	coated fabrics	others	TOTAL	Import	Export	End-use
BUILDING													
pipes	25400									25400			25400
flooring		15000								15000			15000
cables			10950							10950			10950
window frames				1500						1500	500	0	2000
pipes for elect. wire				2400						2400			2400
coated building plate					400					400	0	320	80
roof covering					0					0	1500	0	1500
plastisol building plate						3000				3000	750	1500	2250
other build. app.				2300						2300			2300
wall paper										0	300		300
SUBTOTAL	25400	15000	10950	6200	400	3000	0	0	0	60950	3050	1820	62180
OTHERS										Tarpaulins	210	0	210
automotive			120		2000			2000		Undercoating	254	0	254
electrical equipment			830	2300						4120	1565	3323	2827
manufacturing				2300						3130			3130
office equipment					1500					2300			2300
other flex. f&f					2820					1500	0	0	1500
packaging					4500					2820			2820
Grocery packaging					0					4500	1000	4000	1500
medical packaging					1000					0	1000	0	1000
other rigid f&f					4580					1000	0	700	300
other plastisol appl.						1000				4580			4580
medical tubes/hoses							600			1000			1000
other soft tubes/hoses							1200			600			600
camouflage fabrics								1500		1200			1200
other artif. leather								2000		1500			1500
SUBTOTAL	0	0	950	4600	16400	1000	1800	5500	0	2000	0		2000
TOTAL	25400	15000	11900	10800	16800	4000	1800	5500	0	30250	4030	8023	26257
										91200	7080	9843	88437

Manufacturing of final products with PVC components (ton PVC)																					
	Pipes						Flooring						Cables						Profiles		
	DEHP(phr)	DEHP (ton)	BBP(phr)	BBP(ton)	DIDP(phr)	DIDP(ton)	TOTAL	DEHP(phr)	DEHP (ton)	BBP(phr)	BBP(ton)	DIDP(phr)	DIDP(ton)	TOTAL	DEHP(phr)	DEHP (ton)	BBP(phr)	BBP(ton)	DIDP(phr)	DIDP(ton)	TOTAL
BUILDING																					
pipes		0		0		0		30	0	8	0		0		17	0		0	33	0	
flooring		0		0		0		30	4500	8	1243		0		17	0		0	33	0	
cables		0		0		0		30	0	8	0		0		17	1825		0	33	3650	
window frames		0		0		0		30	0	8	0		0		17	0		0	33	0	
pipes for elect. wire		0		0		0		30	0	8	0		0		17	0		0	33	0	
coated building plate		0		0		0		30	0	8	0		0		17	0		0	33	0	
roof covering		0		0		0		30	0	8	0		0		17	0		0	33	0	
plastisol building plate		0		0		0		30	0	8	0		0		17	0		0	33	0	
other build. app.		0		0		0		30	0	8	0		0		17	0		0	33	0	
wall paper		0		0		0		30	0	8	0		0		17	0		0	33	0	
SUBTOTAL		0		0		0			4500		1243		0	0		1825		0		3650	0
OTHERS																					
automotive		0		0		0		30	0	8	0		0		17	20		0	33	40	
electrical equipment		0		0		0		30	0	8	0		0		17	138		0	33	277	
manufacturing		0		0		0		30	0	8	0		0		17	0		0	33	0	
office equipment		0		0		0		30	0	8	0		0		17	0		0	33	0	
other flex. f&f		0		0		0		30	0	8	0		0		17	0		0	33	0	
packaging		0		0		0		30	0	8	0		0		17	0		0	33	0	
Grocery packaging		0		0		0		30	0	8	0		0		17	0		0	33	0	
medical packaging		0		0		0		30	0	8	0		0		17	0		0	33	0	
other rigid f&f		0		0		0		30	0	8	0		0		17	0		0	33	0	
other plastisol appl.		0		0		0		30	0	8	0		0		17	0		0	33	0	
medical tubes/hoses		0		0		0		30	0	8	0		0		17	0		0	33	0	
other soft tubes/hoses		0		0		0		30	0	8	0		0		17	0		0	33	0	
camouflage fabrics		0		0		0		30	0	8	0		0		17	0		0	33	0	
other artif. leather		0		0		0		30	0	8	0		0		17	0		0	33	0	
SUBTOTAL		0		0		0	0		0		0		0	0		158		0		317	0
TOTAL		0		0		0	0		4500		1243		0	0		1983		0		3967	0

Folles and films													Paint/Plastisol			
DEHP (ton)	BBP(phr)	BBP(ton)	DIDP(phr)	DIDP(ton)	TOTAL	DEHP(phr)	DEHP (ton)	BBP(phr)	BBP(ton)	DIDP(phr)	DIDP(ton)	TOTAL	DEHP(phr)	DEHP (ton)	BBP(phr)	BBP(ton)
0		0		0			0			0		0		40	0	0
0		0		0			0			0		0		40	0	0
0		0		0			0			0		0		40	0	0
0		0		0			0			0		0		40	0	0
0		0		0			0			0		0		40	0	0
0		0		0			0			0		0		40	0	0
0		0		0			25	100		0		0		40	0	0
0		0		0			25	0		0		0		40	0	0
0		0		0			0			0		0		40	1200	0
0		0		0			0			0		0		40	0	0
0		0		0			0			0		0		40	0	0
0		0		0	0		100			0		0	0	1200		0
0		0		0			25	500		0		0		40	0	0
0		0		0			25	0		0		0		40	0	0
0		0		0			25	0		0		0		40	0	0
0		0		0			25	375		0		0		40	0	0
0		0		0			25	705		0		0		40	0	0
0		0		0			0	0		0		0		40	0	0
0		0		0			25	0		0		0		40	0	0
0		0		0			0	0		0		0		40	0	0
0		0		0			0	0		0		0		40	0	0
0		0		0			0	0		0		0		40	400	0
0		0		0			0	0		0		0		40	0	0
0		0		0			0	0		0		0		40	0	0
0		0		0			0	0		0		0		40	0	0
0		0		0			0	0		0		0		40	0	0
0		0		0	0		1580			0		0	0	400		0
0		0		0	0		1680			0		0	0	1600		0

		others	TOTAL				Import				Export				End-use			
DIDP(ton)	TOTAL		DEHP	BBP	DIDP	TOTAL	DEHP	BBP	DIDP	TOTAL	DEHP	BBP	DIDP	TOTAL	DEHP	BBP	DIDP	TOTAL
0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0			4500	1243	0	5743	0	0	0	0	0	0	0	0	4500	1243	0	5743
0			1825	0	3650	5475	0	0	0	0	0	0	0	0	1825	0	3650	5475
0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0			100	0	0	100	0	0	0	0	80	0	0	80	20	0	0	20
0			0	0	0	0	375	0	0	375	0	0	0	0	375	0	0	375
0			1200	0	0	1200	300	0	0	300	600	0	0	600	900	0	0	900
0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0			0	0	0	0	165	0	30	195	0	0	0	0	165	0	30	195
0		0	7625	1243	3650	12518	840	0	30	870	680	0	0	680	7785	1243	3680	12708
						Tarpaulins	116		21									
						Undercoat	254											
200			1620	0	240	1860	615	0	91	1098	1306	0	194	1500	1299	0	159	1458
0			138	0	277	415	0	0	0	0	0	0	0	0	138	0	277	415
0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0			375	0	0	375	0	0	0	0	0	0	0	0	375	0	0	375
0			705	0	0	705	0	0	0	0	0	0	0	0	705	0	0	705
0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0			0	0	0	0	250	0	0	250	0	0	0	0	250	0	0	250
0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0			400	0	0	400	0	0	0	0	0	0	0	0	400	0	0	400
0			300	0	0	300	0	0	0	0	0	0	0	0	300	0	0	300
0			600	0	0	600	0	0	0	0	0	0	0	0	600	0	0	600
150			825	0	150	975	0	0	0	0	0	0	0	0	825	0	150	975
200			1100	0	200	1300	0	0	0	0	0	0	0	0	1100	0	200	1300
550	0	0	6063	0	867	6930	1235	0	112	1348	1306	0	194	1500	5992	0	785	6778
550	0	0	13688	1243	4517	19448	2075	0	142	2218	1986	0	194	2180	13777	1243	4465	19486

Additives in manufacturing of final products with PVC components (ton)																
	TOTAL				Import				Export				End-use			
	Pb	organotin	SnS	TOTAL	Pb	organotin	SnS	TOTAL	Pb	organotin	SnS	TOTAL	Pb	organotin	SnS	TOTAL
BUILDING																
pipes	191	0	0	191	0	0	0	0	0	0	0	0	191	0	0	191
flooring	0	5	67	72	0	0	0	0	0	0	0	0	0	5	67	72
cables	307	0	0	307	0	0	0	0	0	0	0	0	307	0	0	307
window frames	7	0	0	7	2	0	0	2	0	0	0	0	10	0	0	10
pipes for elect. wire	12	0	0	12	0	0	0	0	0	0	0	0	12	0	0	12
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	33	0	33	0	8	0	8	0	17	0	17	0	25	0	25
other build. app.	11	0	0	11	0	0	0	0	0	0	0	0	11	0	0	11
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	528	39	67	634	2	8	0	11	0	17	0	17	530	30	67	628
OTHERS																
automotive	3	0	0	3	1	0	0	1	3	0	0	3	2	0	0	2
electrical equipment	35	0	0	35	0	0	0	0	0	0	0	0	35	0	0	35
manufacturing	11	0	0	11	0	0	0	0	0	0	0	0	11	0	0	11
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	91	0	91	0	20	0	20	0	81	0	81	0	30	0	30
Grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	20	0	20	0	0	0	0	0	14	0	14	0	6	0	6
other rigid f&f	0	93	0	93	0	0	0	0	0	0	0	0	0	93	0	93
other plastisol appl.	0	11	0	11	0	0	0	0	0	0	0	0	0	11	0	11
medical tubes/hoses	16	0	0	16	0	0	0	0	0	0	0	0	16	0	0	16
other soft tubes/hoses	32	0	0	32	0	0	0	0	0	0	0	0	32	0	0	32
camouflage fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other artif. leather	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	97	215	0	312	1	20	0	22	3	95	0	98	95	140	0	236
TOTAL	624	254	67	945	4	29	0	32	3	112	0	115	625	171	67	863

End-use of products, accumulation in the economy and waste production products (ton PVC)									
	End-use 94	stock 94	to waste	stock 95	building	domestic	Waste production		
							medical	car wrecks	other
BUILDING									
pipes	25400	895000	1000	919400	1000				
flooring	15000	394400	11700	397700	11200	500			
cables	10950	250000	6000	254950	6000				
window frames	2000	48000	67	49933	67				
pipes for elect. wire	2400	57600	67	59933	67				
coated building plate	80	1600	80	1600	80				
roof covering	1500	30000	1500	30000	1500				
plastisol building plate	2250	45000	2250	45000	2250				
other build. app.	2300	55200	67	57433	67				
wall paper	300	3000	300	3000	300				
SUBTOTAL	62180	1779800	23030	1818950					
OTHERS									
automotive	2827	64996	2243	65580				2243	
electrical equipment	3130	20345	1127	22348		1127			
manufacturing	2300	23000	2300	23000					2300
office equipment	1500	15000	1500	15000					1500
other flex. f&f	2820	28200	2820	28200					2820
packaging	1500	0	1500	0		1500			
Grocery packaging	1000	0	1000	0		1000			
medical packaging	300	0	300	0			300		
other rigid f&f	4580	45800	4580	45800					4580
other plastisol	1000	10000	1000	10000					1000
medical tubes/hoses	600	0	600	0			600		
other soft tubes/hoses	1200	12000	1200	12000					1200
camouflage fabrics	1500	15000	1500	15000					1500
other artif. leather	2000	20000	2000	20000		1000			1000
SUBTOTAL	26257	254341	23670	256928					
TOTAL	88437	2034141	46700	2075878	22530	5127	900	2243	15900
check	0			0					0
Split automotive					incineration	2564	900		3180
Cables	69	1557	55	1571	landfill	22530	2564	2243	12720
Foils	1147	25943	910	26179					
Coated fabrics	1147	25943	910	26179					
Undercoating	254	5754	202	5807					
Tarpaulins	210	5800	167	5843					
Total	2827	64996	2243	65580					

End-use of phthalates in products and accumulation in the economy and waste production (ton phthalate)

End-use 94																	stock 94																	to waste																	stock 95																	Waste production						check																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
DEHP				BBP				DIDP				TOTAL				DEHP				BBP				DIDP				TOTAL				DEHP				BBP				DIDP				TOTAL				building	domestic	medical	car wrecks	other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
BUILDING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

Additives in end-use of PVC products, accumulation in the economy and waste production (ton)										
	End-use 94				stock 94				to waste	
	Pb	organotin	SnS	TOTAL	Pb	organotin	SnS	TOTAL	Pb	organotin
BUILDING										
pipes	191	0	0	191	6713	0	0	6713	8	0
flooring	0	5	67	72	0	138	1765	1903	0	4
cables	307	0	0	307	7000	0	0	7000	168	0
window frames	10	0	0	10	238	0	0	238	0	0
pipes for elect. wire	12	0	0	12	285	0	0	285	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	25	0	25	0	500	0	500	0	25
other build. app.	11	0	0	11	273	0	0	273	0	0
wall paper	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	530	30	67	628	14508	638	1765	16912	176	29
OTHERS										
automotive	2	0	0	2	44	0	0	44	2	0
electrical equipment	35	0	0	35	225	0	0	225	12	0
manufacturing	11	0	0	11	114	0	0	114	11	0
office equipment	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0
packaging	0	30	0	30	0	0	0	0	0	30
Grocery packaging	0	0	0	0	0	0	0	0	0	0
medical packaging	0	6	0	6	0	0	0	0	0	6
other rigid f&f	0	93	0	93	0	928	0	928	0	93
other plastisol	0	11	0	11	0	111	0	111	0	11
medical tubes/hoses	16	0	0	16	0	0	0	0	16	0
other soft tubes/hoses	32	0	0	32	315	0	0	315	32	0
camouflage fabrics	0	0	0	0	0	0	0	0	0	0
other artif. leather	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	95	140	0	236	698	1039	0	1737	73	140

stock 95						Pb in Waste						check
SnS	TOTAL	Pb	organotin	SnS	TOTAL	building	domestic	medical	car wrecks	other		
0	8	6896	0	0	6896	0	8				0	
52	56	0	139	1780	1919	0	0				0	
0	168	7139	0	0	7139	0	168				0	
0	0	247	0	0	247	0	0				0	
0	0	297	0	0	297	0	0				0	
0	0	0	0	0	0	0	0				0	
0	0	0	0	0	0	0	0				0	
0	25	0	500	0	500	0	0				0	
0	0	284	0	0	284	0	0				0	
0	0	0	0	0	0	0	0				0	
52	258	14862	639	1780	17281	176	0	0	0	0	0	
0	2	45	0	0	45	0				2	0	
0	12	247	0	0	247	0	12				0	
0	11	114	0	0	114	0				11	0	
0	0	0	0	0	0	0				0	0	
0	0	0	0	0	0	0				0	0	
0	30	0	0	0	0	0	0				0	
0	0	0	0	0	0	0	0				0	
0	6	0	0	0	0	0		0			0	
0	93	0	928	0	928	0				0	0	
0	11	0	111	0	111	0				0	0	
0	16	0	0	0	0	0		16			0	
0	32	315	0	0	315	0				32	0	
0	0	0	0	0	0	0				0	0	
0	0	0	0	0	0	0	0			0	0	
0	213	721	1039	0	1760	0	12	16	2	43		

organotin in Waste						check	SnS in Waste						check
building	domestic	medical	car wrecks	other			building	domestic	medical	car wrecks	other		
0						0	0						0
4	0					0	50	2					0
0						0	0						0
0						0	0						0
0						0	0						0
0						0	0						0
0						0	0						0
25						0	0						0
0						0	0						0
0						0	0						0
29	0	0	0	0	0	0	50	2	0	0	0	0	0
						0							0
				0		0				0			0
	0					0		0					0
					0	0					0		0
					0	0						0	0
	30					0		0					0
	0					0		0					0
		6				0			0				0
					93	0					0		0
					11	0					0		0
		0				0			0				0
					0	0					0		0
					0	0					0		0
	0				0	0		0			0		0
0	30	6	0		104	0	0	0	0	0	0	0	0

Emissions (kg substance)		AIR												
		chlorinated												
	Electriity (MJ)	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	Cl-	PCB	HCB	per	tri
Production Materials														
Cl2	7,11E+08													
VCM			272,22536	36682,32	20588,27	4083,38034	2,72E-04		24,05953					
s-PVC	0,00E+00				13106,36			12689,72	7,171					
p-PVC	0,00E+00				56893,64			5706,285	7,029					
Production intermediate products														
pipes	1,15E+08													
flooring	2,00E+08													
cables	5,16E+07													
profiles	4,20E+07													
foils/films	8,64E+07													
paint/plastisol	2,25E+07													
soft tubes/hoses	5,20E+06													
coated fabrics	1,84E+07													
Application														
- Building														
pipes														
flooring														
cables														
window frames														
pipes electrical wire														
coated building plate														
roof covering														
plastisol building plate														
wall paper														
other building appl														
- Others														
automotive														
electrical equipment														
office equipement														
other flex. f&f														
packaging														
grocery packaging														
medical packaging														
other rigid f&f														
other plastisol														
medical tubes/hoses														
other soft tubes/hoses														
coated fabrics														
Waste Treatment														
incineration	2,49E+05		4363				7,241E-06			13,287	0,036207	1,303455	79,65557	15,93111
landfill														
Total per substance	1,25E+09	0	4635,1913	36682,32	90588,27	4083,38034	0,0002795	18396	38,25953	13,287	0,036207	1,303455	79,65557	15,93111

AIR																	
nonchlorinated																	
Hg	ethene	NOx	SO2	CO2	CH4	solids	VOC	BBP	DEHP	DIDP	Pb	Ba	Zn	CO	CxHy	PAK	benzene
3,737835281																	
	27617,63	44917,18		4,58E+07		2858,366											
							0 69000										
							28600 12900	1125	4074 360		720						
							5800 0 1300 2300		5050 0 90 1200								
							2600 2000	500	1900 1800		180						
									40 750 1800 170		30						
									2400 100 400 700		370 200						
									1000								
											600 350						
		3620,708		10813104							22,7579		34,14768	1882,768			159,3111
		2987,743	240,0409	12969676	2338814		59,75486							1195,097			
3,737835281	27617,63	51525,63	240,0409	69557474	2338814	2858,366	124559,8	1625	23734	2650	22,7579		0 34,14768	3077,865		0	0 159,3111

					water													
					non-chlorinated													
Cl-	PCB	HCB	per	tri		Hg	sodium formate	N	P	COD	BOD	BBP	DEHP	DIDP	Pb	Ba	Zn	
						0,064534		170,2731		380,2766								
								6772,967	43,33828	38043,53	12631,26							
								18020,55	115,3084	96188,42	33607,47							
								8103,445	51,85163	43253,81	15112,53							
												120	430					
													107,5	215				
													70					
													90					
													32					
													60	10				
												1500	6000					
														0				
													1000					
													18700					
													45000					
													22300	1450				
													880					
													1250					
														750				
													1370	250				
1990927										70,96587					0,682737		0,876457	
										202787,3	75707,26				13,11365		65,17358	
1990927	0	0	0	0	0	0,064534	0	33067,24	210,4983	380724,3	137058,5	1620	97289,5	2675	13,79639	0	66,05004	

[illegible]

Contribution to Global Warming																				
	AIR										nonchlorinated									
	chlorinated																			
	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	Cl-	PCB	HCb	per	tri	Hg	ethene	NOx	CO2	CH4	solids	
equivalency factors								5000										1	11	
Production Materials																				
Cl2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VCM	0	0	0	0	0	0	0	120297,7	0	0	0	0	0	0	0	0	0	45774694	0	0
s-PVC	0	0	0	0	0	0	0	35855	0	0	0	0	0	0	0	0	0	0	0	0
p-PVC	0	0	0	0	0	0	0	35145	0	0	0	0	0	0	0	0	0	0	0	0
#VERWI																				
Production intermediate products																				
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foils/films	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
paint/plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Application																				
- Building																				
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
window frames	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes electrical wire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other building appl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Others																				
automotive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other rigid f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Treatment																				
incineration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10813104	0	0	0
landfill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12969676	25726951	0	0
TOTAL	0	0	0	0	0	0	0	191297,7	0	0	0	0	0	0	0	0	69557474	25726951	0	0
TOTAL %	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,20	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	72,85	26,95	0,00	0,00

Contribution to Ozone depletion																			
	AIR chlorinated										nonchlorinated								
	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	CI-	PCB	HCB	per	tri	Hg	ethene	NOx	CO2	CH4	solids
equivalency factors								1											
Production Materials																			
Cl2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDC/VCM	0	0	0	0	0	0	0	24,05953	0	0	0	0	0	0	0	0	0	0	0
s-PVC	0	0	0	0	0	0	0	7,171	0	0	0	0	0	0	0	0	0	0	0
p-PVC	0	0	0	0	0	0	0	7,029	0	0	0	0	0	0	0	0	0	0	0
Production intermediate products																			
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foils/films	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
paint/plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Application																			
- Building																			
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
window frames	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes electrical wire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other building appl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Others																			
automotive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other rigid f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cloathing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Treatment																			
incineration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
landfill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	38,25953	0	0	0	0	0	0	0	0	0	0	0
TOTAL %	0,00	0,00	0,00	0,00	0,00	0,00	0,00	100,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

[illegible]

Contribution to Humane Toxicity																			
choose USES or ECPI below	AIR																		
	chlorinated														nonchlorinated				
USES	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	Cl-	PCB	HCB	per	tri	Hg	ethene	NOx	SO2	CO2	
equivalency factors USES BCF			8,46E+01	6,78E+00		2,57E+10				2,40E+05	2,77E+02	3,50E+01	7,50E-02	2,90E+04		4,70E+01	1,60E-01		
equivalency factors ECPI BCF			8,46E+01	6,78E+00		2,57E+10				2,40E+05	2,77E+02	3,50E+01	7,50E-02	2,90E+04		4,70E+01	1,60E-01		
Production Materials																			
Cl2	0	0	0	0	0	0	0	0	0	0	0	0	0	108397,2231	0	0	0	0	0
EDC/VCM	0	0	3103324	139588,45	0	6996192	0	0	0	0	0	0	0	0	0	2111108	0	0	0
s-PVC	0	0	0	88861,118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p-PVC	0	0	0	385738,88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production intermediate products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foils/films	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
paint/plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Application	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
window frames	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes electrical wire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other building appl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
automotive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other rigid f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
clothing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
incineration	0	0	0	0	0	186104,4	0	0	0	8689,698	361,05695	2787,94478	1,19483348	0	0	170173,3	0	0	0
landfill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140423,9	38,40654	0	0
TOTAL	0	0	3103324	614188,45	0	7182296	0	0	0	8689,698	361,05695	2787,94478	1,19483348	108397,2231	0	2421705	38,40654	0	0
TOTAL %	0,00	0,00	0,11	0,02	0,00	0,26	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,09	0,00	0,00	0,00

[illegible]

[illegible]

Contribution to Humane Toxicity																			
choose USES or ECPI below	AIR										nonchlorinated								
	chlorinated																		
ECPI	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	Cl-	PCB	HCb	per	tri	Hg	ethene	NOx	SO2	CO2	
equivalency factors USES BCF			8,46E+01	6,78E+00		2,57E+10				2,40E+05	2,77E+02	3,50E+01	7,50E-02	2,90E+04		4,70E+01	1,60E-01		
equivalency factors ECPI BCF			8,46E+01	6,78E+00		2,57E+10				2,40E+05	2,77E+02	3,50E+01	7,50E-02	2,90E+04		4,70E+01	1,60E-01		
Production Materials																			
Cl2	0	0	0	0	0	0	0	0	0	0	0	0	0	108397,2231	0	0	0	0	0
EDC/VCM	0	0	3103324	139588,45	0	6996192	0	0	0	0	0	0	0	0	0	2111108	0	0	0
s-PVC	0	0	0	88861,118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p-PVC	0	0	0	385738,88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production Intermediate products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foils/films	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
paint/plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Application	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
window frames	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes electrical wire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other building appl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
automotive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other rigid f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
clothing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
incineration	0	0	0	0	0	186104,4	0	0	0	8689,698	361,05695	2787,94478	1,19483348	0	0	170173,3	0	0	0
landfill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140423,9	38,40654	0	0
TOTAL	0	0	3103324	614188,45	0	7182296	0	0	0	8689,698	361,05695	2787,94478	1,19483348	108397,2231	0	2421705	38,40654	0	0
TOTAL %	0,00	0,00	17,21	3,41	0,00	39,83	0,00	0,00	0,00	0,05	0,00	0,02	0,00	0,60	0,00	13,43	0,00	0,00	0,00

[illegible]

													soil									
BBP	DEHP	DIDP	Pb	Ba	Zn	CO	CxHy	PAK	benzene	toluene	ethylbenzene	styrene	BBP	DEHP	DIDP	SUBTOTAL	electricity	ethene	TOTAL			
4.26E+00	2.84E+02	2.22E+02	2.54E+02		5.80E-02			1.70E+03	2.20E+01	5.30E-02			1.91E-01	1.69E+00	5.59E+00							
1.59E-01	1.57E-01	6.18E-02	2.54E+02		5.80E-02			1.70E+03	2.20E+01	5.30E-02			1.91E-01	1.46E-01	1.51E-01							
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113337.694	2458.923		115796.6			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13103800.89	0	8664001	21767802			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88861.11781	0		88861.12			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	385738.8822	0		385738.9			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	398.592		398.592			
19.08	67.51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	648734.59	692.692		649427.3			
0	16.8775	13.287	0	0	0	0	0	0	0	0	0	0	0	0	0	72642.1645	178.536		72820.7			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145.32		145.32			
0	10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	325735.99	298.944		326034.9			
0	14.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.13	77.85		91.98			
0	5.024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5810.024	17.992		5828.016			
0	9.42	0.618	0	0	0	0	0	0	0	0	0	0	0	0	0	91130.038	63.664		91193.7			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0			
238.5	942	0	0	0	0	0	0	0	0	0	0	0	0	0	0	295230.5	0		295230.5			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128448	0		128448			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0			
0	157	0	0	0	0	0	0	0	0	0	0	0	0	146	0	2883	0		2883			
0	2935.9	0	0	0	0	0	0	0	0	0	0	0	0	2730.2	0	54041.1	0		54041.1			
0	7065	0	0	0	0	0	0	0	0	0	0	0	0	6570	0	129735	0		129735			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13023	0		13023			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
0	3501.1	89.61	0	0	0	0	0	0	0	0	0	0	0	3255.8	218.95	187247.46	0		187247.5			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20170	0		20170			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25800	0		25800			
0	138.16	0	0	0	0	0	0	0	0	0	0	0	0	128.48	0	45416.64	0		45416.64			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0			
0	196.25	0	0	0	0	0	0	0	0	0	0	0	0	182.5	0	64878.75	0		64878.75			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0			
0	0	46.35	0	0	0	0	0	0	0	0	0	0	0	109.5	0	41315.85	0		41315.85			
0	215.09	15.45	0	0	0	0	0	0	0	0	0	0	0	500.78	94.375	147385.695	0		147385.7			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
0	0	0	173.41518	0	0.050835	0	0	1.482173	0	0	0	0	0	0	0	1895440.779	0.860686		1895442			
0	0	0	3330.8679	0	3.780068	0	0	0	0	0	0	0	0	0	0	143796.9804	0		143797			
257.58	15274.452	165.315	3504.283	0	3.830902	0	0	1.482173	0	0	0	0	0	13623.26	313.325	18030618.28			26698952			
0.00	0.08	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	100						

Contribution to Aquatic Ecotoxicity																		
choose USES or ECPI below	AIR chlorinated									nonchlorinated								
USES	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	Cl-	PCB	HCB	per	tri	Hg	ethene	NOx	CO2	CH4
equivalency factors USES BCF			6,73E-02	3,88E-05		7,23E+06				4,90E+04	3,20E-03	3,30E-03	7,00E-05	1,60E+04				
equivalency factors ECPI BCF			6,73E-02	3,88E-05		7,23E+06				4,90E+04	3,20E-03	3,30E-03	7,00E-05	1,60E+04				
Production Materials																		
Cl2	0	0	0	0	0	0	0	0	0	0	0	0	0	59805,36449	0	0	0	0
EDC/VCM	0	0	2468,7199	0,7988248	0	1968,18933	0	0	0	0	0	0	0	0	0	0	0	0
s-PVC	0	0	0	0,5085268	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p-PVC	0	0	0	2,2074732	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production intermediate products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foils/films	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
paint/plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Application	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
window frames	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes electrical wire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other building appl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
automotive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other rigid f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cloathing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
incineration	0	0	0	0	0	52,3554305	0	0	0	1774,14668	0,0041711	0,262863	0,001115	0	0	0	0	0
landfill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	2468,7199	3,5148248	0	2020,54476	0	0	0	1774,14668	0,0041711	0,262863	0,001115	59805,36449	0	0	0	0
TOTAL %	0,00	0,00	1,34	0,00	0,00	1,10	0,00	0,00	0,00	0,97	0,00	0,00	0,00	32,57	0,00	0,00	0,00	0,00

																Water chlorinated				
solids	VOC	BBP	DEHP	DIDP	Pb	Ba	Zn	CO	CxHy	PAK	benzene	toluene	ethylbenzene	styrene	EDC	VCM	PVC (solids)	DCB	HCB	HCB,5CB,PCPy
		7,71E-01	3,91E-03	1,69E-02	1,21		2,6			3,20E+02	1,30E-03	9,70E-05			7,29E-01	4,59E-01		1,6	1,27E+02	1,27E+02
		7,38E-01	6,53E-03	1,69E-02	1,21		2,6			3,20E+02	1,30E-03	9,70E-05			7,29E-01	4,59E-01		1,6	1,27E+02	1,27E+02
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,2534443	11,87039	0	0,087112	17,28631	15557,67911
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	867,375	15,92934		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1,4076	12,168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	19,7455	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0,3519	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	4,692	3,38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	385,5	7,429		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	7,038	3,042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0,1564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2,9325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	7,038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0,6647	0,507	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	9,384	6,253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0,391	3,38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1,564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2,737	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	3,91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	10,14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	7,429	5,915	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	27,53706	0	88,78397	0	0	0	0,207104	0,0091314	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1252,875	92,79994	44,785	27,53706	0	88,78397	0	0	0	0,207104	0,0091314	0	0	13,2534443	11,87039	0	0,087112	17,28631	15557,67911
0,00	0,00	0,68	0,05	0,02	0,01	0,00	0,05	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,01	0,01	0,00	0,00	0,01

Contribution to Terrestrial Toxicity																			
choose USES or ECPI below	AIR										nonchlorinated								
	chlorinated																		
USES	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	Cl-	PCB	HCB	per	tri	Hg	ethene	NOx	CO2	CH4	solids
equivalency factors USES BCF			1,14E+01	6,46E-04		2,62E+08				1,90E+08	6,15E+00	1,10E+02	2,50E-02	1,30E+07					
equivalency factors ECPI BCF			1,14E+01	6,46E-04		2,62E+08				1,90E+08	6,15E+00	1,10E+02	2,50E-02	1,30E+07					
Production Materials																			
Cl2	0	0	0	0	0	0	0	0	0	0	0	0	0	48591858,65	0	0	0	0	0
EDC/VCM	0	0	418178,4	13,300021	0	71323,043	0	0	0	0	0	0	0	0	0	0	0	0	0
s-PVC	0	0	0	8,4667083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p-PVC	0	0	0	36,753292	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production Intermediate products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foils/films	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
paint/plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Application	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
window frames	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes electrical wire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other building appl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
automotive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other rigid f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cloathing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
incineration	0	0	0	0	0	1897,2507	0	0	0	6879344	8,01624641	8762,112	0,398278	0	0	0	0	0	0
landfill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	418178,4	58,520021	0	73220,294	0	0	0	6879344	8,01624641	8762,112	0,398278	48591858,65	0	0	0	0	0
TOTAL %	0,00	0,00	0,03	0,00	0,00	0,01	0,00	0,00	0,00	0,51	0,00	0,00	0,00	3,61	0,00	0,00	0,00	0,00	0,00

														Water chlorinated					
VOC	BBP	DEHP	DIDP	Pb	Ba	Zn	CO	CxHy	PAK	benzene	toluene	ethylbenzene	styrene	EDC	VCM	PVC (solids)	DCB	HCB	HCB,5CB,PCPy
	2,85E+02	2,07E+03	4,59E+02	1,07E+04		6,60E+05			6,40E+07	6,30E-02	3,50E-02			1,14E+01	6,42E-04		1,20E+02	5,00E+00	5,00E+00
	2,61E+02	4,09E+03	4,56E+02	1,07E+04		6,60E+05			6,40E+07	6,30E-02	3,50E-02			1,14E+01	6,42E-04		1,20E+02	5,00E+00	5,00E+00
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	207,255508	0,016603	0	6,533409	0,6805634	612,5070516
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	320625	8433180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	745200	330480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	10453500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	186300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	2484000	91800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	142500	3933000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	3726000	82620	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	82800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1552500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	3726000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	351900	13770	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	4968000	169830	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	207000	91800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	828000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1449000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	2070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	275400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	3933000	160650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	243509,5	0	22537469	0	0	0	10,0366012	3,2948438	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	463125	49129380	1216350	243509,5	0	22537469	0	0	0	10,0366012	3,2948438	0	0	207,255508	0,016603	0	6,533409	0,6805634	612,5070516
0,00	0,03	3,65	0,09	0,02	0,00	1,67	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

												non-chlorinated									
HCB,5CB, OCS,DCB, PCPy	chlorophenols	chlorobenzenes	dioxins	NaClO	HCl	AOX	Cl-	PCB	HCB	per	tri		Hg	sodium formate	N	P	COD	BOD	BBP		
5,00E+00	2,20E+06	5,00E+00	2,89E+07					6,80E+07	5,00E+00	1,10E+02	2,50E-02		8,20E+06						3,75E-02		
5,00E+00	2,20E+06	5,00E+00	2,89E+07					6,80E+07	5,00E+00	1,10E+02	2,50E-02		8,20E+06						6,69E-02		
0.017878676	82037,58374	0,006810924	34,4462499	0	0	0	0	0	0	0	0	0	529174,767	0	0	0	0	0	0		
0,027222536	0	0	3048,58371	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0																		

Contribution to Smogformation																			
	AIR										nonchlorinated								
	chlorinated																		
	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	Cl-	PCB	HCB	per	tri	Hg	ethene	NOx	CO2	CH4	solids
equivalency factors			0,021	0,021	0,021							0,005	0,066		1			0,007	
Production Materials																			
Cl2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDC/VCM	0	0	770,3286	432,3536	85,7509872	0	0	0	0	0	0	0	0	0	27617,63	0	0	0	0
s-PVC	0	0	0	275,2336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p-PVC	0	0	0	1194,766	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production intermediate products																			
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foils/films	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
paint/plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Application																			
- Building																			
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
window frames	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes electrical wire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other building appl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Others																			
automotive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other rigid f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cloathing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Treatment																			
incineration	0	0	0	0	0	0	0	0	0	0	0	0,398278	1,051453	0	0	0	0	0	0
landfill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16371,7	0
TOTAL	0	0	770,3286	1902,354	85,7509872	0	0	0	0	0	0	0,398278	1,051453	0	27617,63	0	0	16371,7	0
TOTAL %	0,00	0,00	0,80	1,97	0,09	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	28,64	0,00	0,00	16,98	0,00

[illegible]

Contribution to Acidification	AIR																		
	chlorinated														nonchlorinated				
	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	Cl-	PCB	HCB	per	tri	Hg	ethene	NOx	SO2	CO2	CH4
equivalency factors		0,88														0,7	1		
Production Materials																			
Cl2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDC/VCM	0	239,55831	0	0	0	0	0	0	0	0	0	0	0	0	0	31442,03	0	0	0
s-PVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p-PVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production intermediate products																			
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foils/films	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
paint/plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Application																			
- Building																			
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
window frames	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes electrical wire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other building appl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Others																			
automotive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other rigid f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cloathing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Treatment																			
incineration	0	3839,41	0	0	0	0	0	0	0	0	0	0	0	0	0	2534,495	0	0	0
landfill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2091,42	240,0409	0	0
TOTAL	0	4078,9683	0	0	0	0	0	0	0	0	0	0	0	0	0	36067,94	240,0409	0	0
TOTAL %	0,00	10,10	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	89,31	0,59	0,00	0,00

Contribution to Nutrification																			
	AIR																		
	chlorinated	nonchlorinated																	
	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	Cl-	PCB	HCB	per	tri	Hg	ethene	NOx	CO2	CH4	solids
equivalency factors																0,13			
Production Materials																			
Cl2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDC/VCM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5839,234	0	0	0
s-PVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p-PVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production intermediate products																			
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foils/films	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
paint/plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Application																			
- Building																			
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
window frames	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes electrical wire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other building appl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Others																			
automotive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other rigid f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cloathing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Treatment																			
incineration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	470,692	0	0	0
landfill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	388,4066	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6698,332	0	0	0
TOTAL %	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	22,62	0,00	0,00	0,00

12/10/2006 10:00:00 AM

Contribution to Smell																				
	AIR chlorinated										nonchlorinated									
	Cl2	HCl	EDC	VCM	ethylchloride	dioxins	PVC-dust	CFCs	Cl-	PCB	HCB	per	tri	Hg	ethene	NOx	CO2	CH4	solids	
equivalency factors												8,3	3,9							
Production Materials																				
Cl2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDC/VCM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
s-PVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p-PVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production intermediate products																				
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
profiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foils/films	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
paint/plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated fabrics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Application																				
- Building																				
pipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flooring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
window frames	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pipes electrical wire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
coated building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof covering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
plastisol building plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wall paper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other building appl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Others																				
automotive	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
office equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other flex. f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grocery packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical packaging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other rigid f&f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other plastisol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
medical tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other soft tubes/hoses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
clothing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Treatment																				
incineration	0	0	0	0	0	0	0	0	0	0	0	661,1412	62,13134	0	0	0	0	0	0	0
landfill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	661,1412	62,13134	0	0	0	0	0	0	0
TOTAL %	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	61,14	5,75	0,00	0,00	0,00	0,00	0,00	0,00	0,00

[illegible]

Score smell. 3

							Contribution to different environmental problems				
+eth+elec	acid.	+eth+elec	nutrif.	+eth+elec	smell	+eth+elec	Production Materials	<i>Production Materials</i>	glob. warm.	ozon.depl.	humtox
0,6964578	0	9309,7935	79,88079	852,80551	0	0		Cl2	0,00	0,00	0,63
75712,438	31681,59	523742,74	9653,453	35748,76	0	5,636E+10		VCM	48,07	62,89	72,68
0	0	0	10037,62	0	0	0		s-PVC	0,04	18,74	0,49
0	0	0	4513,697	0	0	0		p-PVC	0,04	18,37	2,14
0		0		0		0	Production intermediate products	<i>Production intermediate products</i>	0,00	0,00	0,00
0,112896	0	1509,12	0	240,24	0	0		pipes	0,00	0,00	0,00
0,196196	0	2622,62	0	61,92	0	0		flooring	0,00	0,00	3,60
0,050568	0	675,96	0	50,4	0	0		cables	0,00	0,00	0,40
0,04116	0	550,2	0	103,68	0	0		profiles	0,00	0,00	0,00
0,084672	0	1131,84	0	27	0	0		foils/films	0,00	0,00	1,81
0,02205	0	294,75	0	6,24	0	0		paint/plastisol	0,00	0,00	0,00
0,005096	0	68,12	0	22,08	0	0		soft tubes/hoses	0,00	0,00	0,03
0,018032	0	241,04	0	0	0	0		coated fabrics	0,00	0,00	0,51
							Application	<i>Application</i>	0,00	0,00	0,00
							- Building	<i>- Building</i>	0,00	0,00	0,00
0	0	0	0	0	0	0		pipes	0,00	0,00	0,00
0	0	0	0	0	0	0		flooring	0,00	0,00	1,64
0	0	0	0	0	0	0		cables	0,00	0,00	0,71
0	0	0	0	0	0	0		window frames	0,00	0,00	0,00
0	0	0	0	0	0	0		pipes electrical wire	0,00	0,00	0,00
0	0	0	0	0	0	0		coated building plate	0,00	0,00	0,02
0	0	0	0	0	0	0		roof covering	0,00	0,00	0,30
0	0	0	0	0	0	0		plastisol building plate	0,00	0,00	0,72
0	0	0	0	0	0	0		wall paper	0,00	0,00	0,07
0	0	0	0	0	0	0		other building appl	0,00	0,00	0,00
0		0		0		0	-Others	<i>-Others</i>	0,00	0,00	0,00
0	0	0	0	0	0	0		automotive	0,00	0,00	1,04
0	0	0	0	0	0	0		electrical equipment	0,00	0,00	0,11
0	0	0	0	0	0	0		office equipment	0,00	0,00	0,14
0	0	0	0	0	0	0		other flex. f&f	0,00	0,00	0,25
0	0	0	0	0	0	0		packaging	0,00	0,00	0,00
0	0	0	0	0	0	0		grocery packaging	0,00	0,00	0,00
0	0	0	0	0	0	0		medical packaging	0,00	0,00	0,00
0	0	0	0	0	0	0		other rigid f&f	0,00	0,00	0,00
0	0	0	0	0	0	0		other plastisol	0,00	0,00	0,36
0	0	0	0	0	0	0		medical tubes/hoses	0,00	0,00	0,00
0	0	0	0	0,2985039	0	0		other soft tubes/hoses	0,00	0,00	0,23
0	0	0	0	0	0	0		coated fabrics	0,00	0,00	0,82
0		0		0		0	Waste Treatment	<i>Waste Treatment</i>	0,00	0,00	0,00
0,0002438	6373,905	3,2586679	472,2532	0	1081,323	0		incineration	11,33	0,00	10,51
0	2331,461	0	4849,728	0	0	0		landfill	40,53	0,00	0,80
	40386,95		29606,63		1081,323			TOTAL	100,00	100,00	100,00

aqua.eco.	terr.eco.	smog	acid.	nutrif.	smell
37,24	3,66	0,00	0,00	0,27	0,00
19,41	0,04	29,98	78,45	32,61	0,00
0,00	0,00	0,29	0,00	33,90	0,00
0,00	0,00	29,72	0,00	15,25	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
2,32	0,65	11,81	0,00	0,00	0,00
0,09	0,08	5,32	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,02	0,78	2,39	0,00	0,00	0,00
0,01	0,00	0,00	0,00	0,00	0,00
0,00	0,01	0,54	0,00	0,00	0,00
0,02	0,19	0,95	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
23,33	0,30	1,07	0,00	0,00	0,00
0,01	0,28	0,83	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,14	0,97	0,00	0,00	0,00	0,00
2,54	18,18	0,00	0,00	0,00	0,00
6,11	43,74	0,00	0,00	0,00	0,00
0,00	0,03	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
3,50	22,06	0,00	0,00	0,00	0,00
0,00	0,02	0,00	0,00	0,00	0,00
0,00	0,06	0,00	0,00	0,00	0,00
0,12	0,96	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,17	1,36	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
0,25	0,74	0,00	0,00	0,00	0,00
0,27	3,68	0,00	0,00	0,00	0,00
0,00	0,00	0,00	0,00	0,00	0,00
1,12	2,20	0,10	15,78	1,60	100,00
3,34	0,00	17,00	5,77	16,38	0,00
100,00	100,00	100,00	100,00	100,00	100,00

Normalised scores in % of swedish totals									
	swedish totalscores	7,52E+10	7,52E+10	1,25E+06	1,25E+06	4,10E+12	4,10E+12	8,10E+08	8,10E+08
Production Materials	Production Materials	glob. warm.	+eth+elec	ozon.depl.	+eth+elec	humtox	+eth+elec	aqua.eco.	+eth+elec
	Cl2	0	0,003695113	0	0	2,76433E-06	5,99737E-08	0,00844289	0
	VCM	0,061030574	0,073383272	0,001924763	0	0,000319605	0,000211317	0,004401321	0,087690364
	s-PVC	4,76795E-05	0	0,00057368	0	2,16734E-06	0	6,27811E-08	0
	p-PVC	4,67354E-05	0	0,00056232	0	9,40827E-06	0	2,72528E-07	0
Production intermediate products	Production intermediate products	0	0	0	0	0	0	0	0
	pipes	0	0,000598979	0	0	0	9,72176E-09	0	0
	flooring	0	0,001040934	0	0	1,58228E-05	1,68949E-08	0,000526713	0
	cables	0	0,000268293	0	0	1,77176E-06	4,35454E-09	2,0588E-05	0
	profiles	0	0,000218378	0	0	0	3,54439E-09	0	0
	foils/films	0	0,000449234	0	0	7,94478E-06	7,29132E-09	4,58957E-06	0
	paint/plastisol	0	0,000116988	0	0	3,44634E-10	1,89878E-09	2,76667E-06	0
	soft tubes/hoses	0	2,70372E-05	0	0	1,41708E-07	4,38829E-10	1,02715E-06	0
	coated fabrics	0	9,56702E-05	0	0	2,22268E-06	1,55278E-09	3,56691E-06	0
Application	Application	0	0	0	0	0	0	0	0
- Building	- Building	0	0	0	0	0	0	0	0
	pipes	0	0	0	0	0	0	0	0
	flooring	0	0	0	0	7,20074E-06	0	0,00528851	0
	cables	0	0	0	0	3,13288E-06	0	1,24444E-06	0
	window frames	0	0	0	0	0	0	0	0
	pipes electrical wire	0	0	0	0	0	0	0	0
	coated building plate	0	0	0	0	7,03171E-08	0	3,076E-05	0
	roof covering	0	0	0	0	1,31808E-06	0	0,000575214	0
	plastisol building plate	0	0	0	0	3,16427E-06	0	0,001384202	0
	wall paper	0	0	0	0	3,17634E-07	0	1,44654E-07	0
	other building appl	0	0	0	0	0	0	0	0
-Others	-Others	0	0	0	0	0	0	0	0
	automotive	0	0	0	0	4,56701E-06	0	0,000792708	0
	electrical equipment	0	0	0	0	4,91951E-07	0	4,65556E-07	0
	office equipment	0	0	0	0	6,29268E-07	0	1,93086E-07	0
	other flex. f&f	0	0	0	0	1,10772E-06	0	2,73898E-05	0
	packaging	0	0	0	0	0	0	0	0
	grocery packaging	0	0	0	0	0	0	0	0
	medical packaging	0	0	0	0	0	0	0	0
	other rigid f&f	0	0	0	0	0	0	0	0
	other plastisol	0	0	0	0	1,58241E-06	0	3,89086E-05	0
	medical tubes/hoses	0	0	0	0	0	0	0	0
	other soft tubes/hoses	0	0	0	0	1,0077E-06	0	5,56963E-05	0
	coated fabrics	0	0	0	0	3,59477E-06	0	6,19104E-05	0
Waste Treatment	Waste Treatment	0	0	0	0	0	0	0	0
	incineration	0,014379128	1,29338E-06	0	0	4,62303E-05	2,09923E-11	0,000253702	0
	landfill	0,051458281	0	0	0	3,50724E-06	0	0,000757373	0
	TOTAL	0,126962397	0,07989519	0,003060763	0	0,000439771	0,000211423	0,02267222	0,087690364

2,49E+13	2,49E+13	5,91E+07	5,91E+07	4,86E+08	4,86E+08	5,23E+08	5,23E+08	3,81E+15	3,81E+15	3,50E+10	3,50E+10
terr.eco.	+eth+elec	smog	+eth+elec	acid.	+eth+elec	nutrif.	+eth+elec	smell	+eth+elec	landfill	+eth+elec.
0,000197603	0	0	1,17844E-06	0	0,001915595	1,52736E-05	0,00016306	0	0	9,243E-08	
1,98149E-06	0,005579768	0,048910434	0,128109033	0,0065188	0,107765997	0,001845784	0,006835327	0	0,001479135	0,0002845	
3,40028E-11	0	0,000465708	0	0	0	0,001919239	0	0	0	0,0001833	
1,47604E-10	0	0,048488607	0	0	0	0,00086304	0	0	0	8,242E-05	
0	0	0	0	0	0	0	0	0	0		
0	0	0	1,91025E-07	0	0,000310519	0	4,5935E-05	0	0		
3,51605E-05	0	0,019260237	3,31973E-07	0	0,000539634	0	1,18394E-05	0	0		
4,32117E-06	0	0,00868731	8,55635E-08	0	0,000139086	0	9,63671E-06	0	0		
0	0	0	6,96447E-08	0	0,00011321	0	1,98241E-05	0	0		
4,19827E-05	0	0,003905922	1,43269E-07	0	0,000232889	0	5,16252E-06	0	0		
9,79518E-10	0	0	3,73096E-08	0	6,06481E-05	0	1,19312E-06	0	0		
7,48541E-07	0	0,000875465	8,62267E-09	0	1,40165E-05	0	4,2218E-06	0	0		
1,03452E-05	0	0,0015489	3,0511E-08	0	4,95967E-05	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
1,6433E-05	0	0,001750931	0	0	0	0	0	0	0		
1,52957E-05	0	0,00134687	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
5,25522E-05	0	0	0	0	0	0	0	0	0		
0,000982744	0	0	0	0	0	0	0	0	0		
0,002364851	0	0	0	0	0	0	0	0	0		
1,46855E-06	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
0,001192704	0	0	0	0	0	0	0	0	0		
0,0000012	0	0	0	0	0	0	0	0	0		
3,3253E-06	0	0	0	0	0	0	0	0	0		
5,17726E-05	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
7,35879E-05	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
4,02627E-05	0	0	0	0	0	0	5,70753E-08	0	0		
0,000198795	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0		
0,000119161	0	0,000162311	4,12484E-10	0,0013115	6,70508E-07	9,0297E-05	0	2,838E-11	0	2,46E-02	
6,55417E-15	0	0,027741926	0	0,0004797	0	0,00092729	0	0	0	1,56E-01	
0,005406296	0,005579768	0,163144621	0,12811111	0,0083101	0,111141861	0,005660924	0,007096257	2,838E-11	0,001479135	0,1811999	

	DTT factors	1,2	1,2	35,3	35,3	0,57	0,57	0,57	0,57	0,57	0,57
Production Materials	Production Materials	glob. warm.	+eth+elec	ozon.depl.	+eth+elec	humtox	+eth+elec	aqua.eco.	+eth+elec	terr.eco.	+eth+elec
	Cl2	0	8,902E-05	0	0	3E-08	6,863E-10	9,66E-05	0	2,26127E-06	0
	VCM	0,0014703	0,0017679	0,001364	0	4E-06	2,418E-06	5,04E-05	0,0010035	2,26751E-08	6,385E-05
	s-PVC	1,149E-06	0	0,000407	0	2E-08	0	7,18E-10	0	3,89111E-13	0
	p-PVC	1,126E-06	0	0,000399	0	1E-07	0	3,12E-09	0	1,6891E-12	0
Production intermediate products	Production intermediate products	0	0	0	0	0	0	0	0	0	0
	pipes	0	1,443E-05	0	0	0	1,113E-10	0	0	0	0
	flooring	0	2,508E-05	0	0	2E-07	1,933E-10	6,03E-06	0	4,02359E-07	0
	cables	0	6,464E-06	0	0	2E-08	4,983E-11	2,36E-07	0	4,94493E-08	0
	profiles	0	5,261E-06	0	0	0	4,056E-11	0	0	0	0
	foils/films	0	1,082E-05	0	0	9E-08	8,344E-11	5,25E-08	0	4,80428E-07	0
	paint/plastisol	0	2,818E-06	0	0	4E-12	2,173E-11	3,17E-08	0	1,12091E-11	0
	soft tubes/hoses	0	6,514E-07	0	0	2E-09	5,022E-12	1,18E-08	0	8,56592E-09	0
	coated fabrics	0	2,305E-06	0	0	3E-08	1,777E-11	4,08E-08	0	1,18386E-07	0
Application	Application	0	0	0	0	0	0	0	0	0	0
- Building	- Building	0	0	0	0	0	0	0	0	0	0
	pipes	0	0	0	0	0	0	0	0	0	0
	flooring	0	0	0	0	8E-08	0	6,05E-05	0	1,88051E-07	0
	cables	0	0	0	0	4E-08	0	1,42E-08	0	1,75036E-07	0
	window frames	0	0	0	0	0	0	0	0	0	0
	pipes electrical wire	0	0	0	0	0	0	0	0	0	0
	coated building plate	0	0	0	0	8E-10	0	3,52E-07	0	6,01381E-07	0
	roof covering	0	0	0	0	2E-08	0	6,58E-06	0	1,1246E-05	0
	plastisol building plate	0	0	0	0	4E-08	0	1,58E-05	0	2,70621E-05	0
	wall paper	0	0	0	0	4E-09	0	1,66E-09	0	1,68054E-08	0
	other building appl	0	0	0	0	0	0	0	0	0	0
-Others	-Others	0	0	0	0	0	0	0	0	0	0
	automotive	0	0	0	0	5E-08	0	9,07E-06	0	1,36487E-05	0
	electrical equipment	0	0	0	0	6E-09	0	5,33E-09	0	1,37322E-08	0
	office equipment	0	0	0	0	7E-09	0	2,21E-09	0	3,8053E-08	0
	other flex. f&f	0	0	0	0	1E-08	0	3,13E-07	0	5,92459E-07	0
	packaging	0	0	0	0	0	0	0	0	0	0
	grocery packaging	0	0	0	0	0	0	0	0	0	0
	medical packaging	0	0	0	0	0	0	0	0	0	0
	other rigid f&f	0	0	0	0	0	0	0	0	0	0
	other plastisol	0	0	0	0	2E-08	0	4,45E-07	0	8,42102E-07	0
	medical tubes/hoses	0	0	0	0	0	0	0	0	0	0
	other soft tubes/hoses	0	0	0	0	1E-08	0	6,37E-07	0	4,60745E-07	0
	coated fabrics	0	0	0	0	4E-08	0	7,08E-07	0	2,2749E-06	0
Waste Treatment	Waste Treatment	0	0	0	0	0	0	0	0	0	0
	incineration	0,0003464	3,116E-08	0	0	5E-07	2,402E-13	2,9E-06	0	1,36362E-06	0
	landfill	0,0012397	0	0	0	4E-08	0	8,67E-06	0	7,50026E-17	0
		0,0030587	0,0019248	0,002169	0	5E-06	2,419E-06	0,000259	0,0010035	6,18669E-05	6,385E-05

2,3	2,3	2,6	2,6	2,3	2,3	1,8	1,8	2,6	2,6	DTT factors	49,81	
smog	+eth+elec	acid.	+eth+elec	nutrif.	+eth+elec	smell	+eth+elec	landfill	+eth+elec.	Production Materials	TOTAL	+eth+elect
0	5,442E-08	0	9,999E-05	7,05E-07	7,529E-06	0	0	4,825E-09	0	Cl2	9,96E-05	0,000196596
0,002258462	0,0059155	0,0003403	0,0056252	8,52E-05	0,0003156	0	5,345E-05	1,485E-05	0	VCM	0,005587	0,014747449
2,15043E-05	0	0	0	8,86E-05	0	0	0	9,568E-06	0	s-PVC	0,000527	0
0,002238984	0	0	0	3,99E-05	0	0	0	4,302E-06	0	p-PVC	0,002683	0
0	0	0	0	0	0	0	0	0	0	Production intermediate products	0	0
0	8,821E-09	0	1,621E-05	0	2,121E-06	0	0	0	0	pipes	0	3,27689E-05
0,00088935	1,533E-08	0	2,817E-05	0	5,467E-07	0	0	0	0	flooring	0,000896	5,38079E-05
0,000401141	3,951E-09	0	7,26E-06	0	4,45E-07	0	0	0	0	cables	0,000401	1,41726E-05
0	3,216E-09	0	5,909E-06	0	9,154E-07	0	0	0	0	profiles	0	1,20891E-05
0,000180358	6,616E-09	0	1,216E-05	0	2,384E-07	0	0	0	0	foils/films	0,000181	2,32242E-05
0	1,723E-09	0	3,166E-06	0	5,509E-08	0	0	0	0	paint/plastisol	3,17E-08	6,04099E-06
4,0425E-05	3,982E-10	0	7,316E-07	0	1,949E-07	0	0	0	0	soft tubes/hoses	4,04E-05	1,57835E-06
7,15212E-05	1,409E-09	0	2,589E-06	0	0	0	0	0	0	coated fabrics	7,17E-05	4,89514E-06
0	0	0	0	0	0	0	0	0	0	Application	0	0
0	0	0	0	0	0	0	0	0	0	- Building	0	0
0	0	0	0	0	0	0	0	0	0	pipes	0	0
8,085E-05	0	0	0	0	0	0	0	0	0	flooring	0,000142	0
6,21923E-05	0	0	0	0	0	0	0	0	0	cables	6,24E-05	0
0	0	0	0	0	0	0	0	0	0	window frames	0	0
0	0	0	0	0	0	0	0	0	0	pipes electrical wire	0	0
0	0	0	0	0	0	0	0	0	0	coated building plate	9,54E-07	0
0	0	0	0	0	0	0	0	0	0	roof covering	1,78E-05	0
0	0	0	0	0	0	0	0	0	0	plastisol building plate	4,29E-05	0
0	0	0	0	0	0	0	0	0	0	wall paper	2,21E-08	0
0	0	0	0	0	0	0	0	0	0	other building appl	0	0
0	0	0	0	0	0	0	0	0	0	-Others	0	0
0	0	0	0	0	0	0	0	0	0	automotive	2,28E-05	0
0	0	0	0	0	0	0	0	0	0	electrical equipment	2,47E-08	0
0	0	0	0	0	0	0	0	0	0	office equipment	4,75E-08	0
0	0	0	0	0	0	0	0	0	0	other flex. f&f	9,19E-07	0
0	0	0	0	0	0	0	0	0	0	packaging	0	0
0	0	0	0	0	0	0	0	0	0	grocery packaging	0	0
0	0	0	0	0	0	0	0	0	0	medical packaging	0	0
0	0	0	0	0	0	0	0	0	0	other rigid f&f	0	0
0	0	0	0	0	0	0	0	0	0	other plastisol	1,31E-06	0
0	0	0	0	0	0	0	0	0	0	medical tubes/hoses	0	0
0	0	0	0	0	2,635E-09	0	0	0	0	other soft tubes/hoses	1,11E-06	2,63548E-09
0	0	0	0	0	0	0	0	0	0	coated fabrics	3,02E-06	0
0	0	0	0	0	0	0	0	0	0	Waste Treatment	0	0
7,4948E-06	1,905E-11	6,846E-05	3,5E-08	4,17E-06	0	1,03E-12	0	0,001283	0	incineration	0,001714	6,61783E-08
0,001280996	0	2,504E-05	0	4,28E-05	0	0	0	0,0081467	0	landfill	0,010744	0
0,007533279	0,0059156	0,0004338	0,0058014	0,000261	0,0003277	1,03E-12	5,345E-05	0,0094583	0		0,023241	0,015092691