



Danish Ministry of the Environment
Environmental Protection Agency

Import of goods containing phtha- lates

Update of statistical data

August 2012

Title:

Import of goods containing phthalates -
update of statistical data

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Publisher:

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Year:

2012

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Preface

The current project has been prepared as an update and expansion of the statistical data for import and manufacturing of goods presented in Environmental Project No. 1362/2011 [Hansen et al 2011].

While Environmental Project No. 1362/2011 was only presenting statistical data for 2008, the current project is expanding the data to cover the period of 2007 -2011.

The project has been supervised by Lars Fock, The Danish Environmental Protection Agency.

The report has been prepared by Erik Hansen and Marlies Warming, COWI.

Summary and conclusion

Data has been extracted from Eurostats databases on external trade and manufacturing within EU27 for a number of goods assumed to be manufactured in whole or partly by PVC and to be plasticized using phthalates. The goods in question cover the following items:

Flooring of vinyl and heavy style wall covering
PVC insulation on wires and cables
Bags, brief-/suitcases and similar items
Tablecloth, curtains, shower curtains and similar items (not industrial uses)
Water beds and air mattresses
Footwear
Bathing equipment (swim-coats/wings/belts and pools)
Balls of PVC for playing and physical exercises

The data extracted covers the quantity of goods imported to EU27 or manufactured within EU27 for each of the years 2007-2011. Furthermore, for each statistical position number the main exporting countries outside EU27 has been identified. The extracted information is presented in the tables 2.1, 3.1, 4.1, 5.1, 6.1, 7.1, 8.1 and 9.1 contained in the following chapters.

1. Introduction

The data presented in the following chapters has been extracted from Eurostats databases on external trade (reference is made to [Eurostat 2012a]) and manufacturing within EU27 (reference is made to [Eurostat 2012b]).

It is noted that the data presented for 2008 in this report may deviate from data presented in Environmental Project No. 1362 [Hansen et al 2011], as the statistical information available in Eurostat whenever relevant will be updated and improved. Most deviations are small. To the extent deviations are larger; this has been stated in a note to the table in question.

Also based on Eurostats database on external trade for each position number the countries responsible for the largest export of goods to EU27 has been identified. Only countries responsible for 5% or more of the total quantity for each position number have been named.

2. Flooring of vinyl and heavy style wall covering

Statistical data on import and manufacturing of flooring of vinyl and heavy style wall covering is presented in table 2.1 below.

TABLE 1
IMPORT TO AND MANUFACTURING OF FLOORING OF VINYL AND HEAVY STYLE WALL COVERING IN EU27* 1

Position	2007 tonnes	2008 Tonnes	2009 tonnes	2010 tonnes	2011 tonnes	Comments	Significant exporters (2011)
Import to EU27							
39181010	50,634	52,024	57,079	80,096	104,589	PVC with backing (textile etc)	China (63%), South Korea (15%) Taiwan (9%)
39181090	48,690	59,688	60,000	73,241	87,838	PVC only (no backing)	China (74%) South Korea (9%)
Import - total	99,324	111,712	117,079	153,337	192,427		
Manufac- turing in EU27							
22231155*2	704,739	671,327*3	633,760	614,328	658,909	PVC with backing (textile etc)	
22231159*2	459,107	457,129	388,789	390,695	470,390	PVC only (no backing)	
Manufac- turing- total	1,163,848	1,128,456	1,022,549	1,005,023	1,129,299		

Notes:

* 1 For import the position number stated is referring to Eurostats database on external trade (CN8) [Eurostat 2012a], while for manufacturing in EU 27 the position number is referring to Eurostats PRODCOM - database [Eurostat 2012b]. Identification of significant exporters to EU27 is also based on Eurostats database on external trade (CN8).

* 2 Estimate based on value of manufacturing and value/tonnage of import.

* 3 Figure was calculated as 982,730 tonnes in Environmental Project No. 1362 [Hansen et al 2011] based on the data available in Eurostats databases on 22 feb. 2010.

3. PVC insulation on wires and cables

Statistical data on import and manufacturing of insulated wire and cable is presented in table 3.1 below.

TABLE 2
IMPORT TO AND MANUFACTURING OF INSULATED WIRE AND CABLE IN EU27 * 1

Position	2007 tonnes	2008 tonnes	2009 tonnes	2010 tonnes	2011 tonnes	Comments	Significant exporters (2011)
Import to EU27							
85442000	91,020	91,915	70,418	83,453	78,616	Co-axial cables, insulated	China (64%) Morocco (12%) Turkey (8%)
85444210	33,175	31,157	24,902	27,127	25,859	Electric conductors, telecom., ≤1000 V, insulated	China (83%)
85444290	172,468	170,088	142,670	174,381	170,856	Electric conductors, ≤1000 V, insulated, with connectors	China (66%) Tunisia (8%) Morocco (5%) Ukraine (5%)
85444920	69,381	64,413	49,284	60,472	58,792	Conductors, Electric, ≤ 80 V, insulated, telecom.	China (49%) Turkey (11%) Tunisia (7%) Taiwan (7%) South Korea (7%)
85444991						No plastic	
85444993	37,202	34,095	29,512	29,446	37,533	Conductors, Electric, ≤ 80 V, insulated,	Turkey (31%) Morocco (17%) Tunisia (14%) China (14%)
85444995	97,078	108,464	79,923	95,700	99,590	Conductors, Electric, 80 V ≥, ≤= 1000 V, insulated,	Turkey (43%) Switzerland (19%) China (13%) Egypt (8%)
Import - total	500,325	500,133	396,708	470,579	471,246		
Manufacturing in EU27							
27321200	209,804	210,334* ²	175,190	190,483	168,118	Co-axial cables, insulated	
27321340	2,014,937	1,295,606* ²	1,500,000	1,000,000	1,019,510	Electric conductors, ≤1000 V, insulated, with connectors	
27321380	1,550,000	2,181,578* ²	1,840,000	2,100,000	2,240,000	Electric conductors, ≤1000 V, insulated, not with connectors	
Manufacturing-total	3,774,741	3,687,518	3,515,190	3,290,483	3,427,628		

Notes:

* 1 For import the position number stated is referring to Eurostats database on external trade (CN8) [Eurostat 2012a], while for manufacturing in EU 27 the position number is referring to Eurostats PRODCOM - database [Eurostat 2012b]. Identification of significant exporters to EU27 is also based on Eurostats database on external trade (CN8).

* 2 Figures was reported as 192,298/1,110,644/1,630,409 tonnes in Environmental Project No. 1362 [Hansen et al 2011] based on the data available in Eurostats databases on 22 feb. 2010.

4. Bags, brief-/suitcases and similar items

Statistical data on import and manufacturing of bags etc. is presented in table 4.1A and 4.1B below.

TABLE 4.1A
IMPORT OF BAGS ETC. TO EU27 * 1

Position	2007 tonnes	2008 tonnes	2009 tonnes	2010 Tonnes	2011 tonnes	Comments	Significant exporters (2011)
39232910	20,419	18,825	15,980	14,247	15,189	Sacks/bags of PVC	China (45%) Croatia (23%)
42021110	6,028	5,270	3,647	3,775	3,936	Briefcases, school satchels etc - outer surface of leather or patent leather	China (78%) India (9%)
42021211	7,614	6,918	5,019	5,479	4,816	Briefcases, school satchels etc - outer surface of plastic sheeting	China (90%)
42021250	32,002	32,479	28,312	35,921	43,470	Trunks, suitcases, brief- cases, school satchels - outré surface of moulded plastic	China (89%)
42021291	43,960	38,726	31,061	35,206	34,190	Briefcases, school satchels etc - outer surface of plastic or textile fibres	China (94%)
42021990	18,680	22,215	12,862	14,074	16,477	Briefcases, school satchels etc - other cases?	China (92%)
42022210	96,266	111,733	109,873	111,279	107,213	Handbags - outer surface of plastic sheeting	China (97%)
42022290	95,002	81,438	65,701	68,100	59,979	Handbags- outer surface of textile materials	China (88%)
42022900	8,740	7,924	7,282	7,178	7,090	Handbags- outer surface of or mainly of vulcanised fibres, paperboard or paper	China (89%)
42029211	16,271	16,315	12,581	14,912	15,217	Bags (travelling, toilet, sports), rucksacks - outer surface of plastic	China (91%) Vietnam (5%)
42029215	1,642	1,846	1,730	2,283	2,851	Musical instrument cases - outer surface of plastic	China (79%) India (12%)
42029219	50,074	55,054	52,237	63,129	66,994	Bags (travelling, toilet, sports), rucksacks - outer surface of textile	China (71%) Vietnam (24%)
42029291	153,715	146,860	121,540	126,073	126,396	Bags (travelling, toilet, sports), rucksacks - outer surface of textile	China (87%) Vietnam (9%)
42029298	108,540	118,556	101,205	108,316	105,547	Bags (food, shopping, cameras etc.) - outer surface of textile	China (82%) Vietnam (7%) India (6%)
42029900	28,007	30,327	22,150	26,873	29,290	Bags etc. -outer surface of vulcanised fibres or pa- perboard	China (73%) Switzerld (6%) Vietnam (7%)
Import - total	686,961	694,484	591,178	636,844	638,656		

Notes:

* 1 The position number stated is referring to Eurostats database on external trade (CN8) [Eurostat 2012a]. Identification of significant exporters to EU27 is also based on Eurostats database on external trade (CN8).

TABLE 4.1B
MANUFACTURING OF BAGS ETC. IN EU27 * 1

Position	2007 tonnes	2008 tonnes	2009 tonnes	2010 Tonnes	2011 tonnes	Comments
Manufacturing in EU27						
22221200	135,693	550,695 ^{*3}	440,926	505,817	491,189	Plastic sacks and bags (not PE)
15121210						Trunks, Briefcases, school satchels etc - of leather, composition or patent leather
15121220						Handbags - all materials
15121250						Cases and containers
Manufacturing-total	1,029,333 ^{*2}	951,552 ^{*2}	732,605 ^{*2}	795,521 ^{*2}	1,014,601 ^{*2}	

Notes:

* 1 For manufacturing in EU 27 the position number is referring to Eurostats PRODCOM - database [Eurostat 2012b].

* 2 Estimate based on value of manufacturing and value/tonnage of import. The calculation is based on all position numbers stated in table 4.1A and B.

* 3 Figure was reported as 497,772 tonnes in Environmental Project No. 1362 [Hansen et al 2011] based on the data available in Eurostats databases on 22 feb. 2010.

5. Tablecloth, curtains, shower curtains and similar items (not industrial uses)

Statistical data on import and manufacturing of tablecloth, curtains, shower curtains etc. is presented in table 5.1 below.

TABLE 5.1

IMPORT TO AND MANUFACTURING OF TABLECLOTH, CURTAINS, SHOWER CURTAINS ETC. IN EU27 * 1

Position	2007 tonnes	2008 tonnes	2009 tonnes	2010 tonnes	2011 Tonnes	Comments	Significant exporters
Import to EU27							
39204310	24,699	23,939	18,375	21,563	21,194	Plates, sheets, film, foil and strip, of PVC, containing ≥ 6 % of plasticiser, thickness ≤ 1 mm	Switzerld (26%) China (20%) Japan (11%) Turkey (10%) Taiwan (10%)
39211200	32,462	32,203	29,893	34,390	34,006	Plates, sheets, film, foil and strip, of cellular PVC,	Switzerld (30%) China (21%) India (17%) Israel (9%)
59031010	5,084	5,941	4,595	5,545	6,867	Textile fabrics impregnated with PVC	Turkey (50%) China (27%) Switzerld (14%)
59031090	17,598	22,250	20,653	23,923	24,791	Textile fabrics covered, coated or laminated with PVC	China (63%) Turkey (12%) Switzerld (7%) Taiwan (7%)
Import - total	79,844	84,334	73,516	85,421	86,859		
Manufacturing in EU27							
13961400 *2	1,265,187	1,174,579*4	952,536	1,088,294	1,074,629	Textile fabrics, impregnated, coated, or covered n.e.c.	
22213035	415,361	392,053	349,874	388,782	375,695	Plates, sheets, film, foil and strip, of PVC, containing ≥ 6 % of plasticiser, thickness ≤ 1 mm	
22214130	179,314	145,420*3	114,455	124,116	146,529	Cellular plates, sheets, film, foil and strip of PVC	
Manufacturing-total	1,859,862	1,712,052	1,416,865	1,601,192	1,596,853		

Notes:

* 1 For import the position number stated is referring to Eurostats database on external trade (CN8) [Eurostat 2012a], while for manufacturing in EU 27 the position number is referring to Eurostats PRODCOM - database [Eurostat 2012b]. Identification of significant exporters to EU27 is also based on Eurostats database on external trade (CN8).

* 2 Estimate based on value of manufacturing and value/tonnage of import.

* 3 Figure was reported as 170,864 in Environmental Project No. 1362 based on the data available in Eurostats databases on 22 feb. 2010.

* 4 Figures was reported as 938,255 tonnes in Environmental Project No. 1362 [Hansen et al 2011] based on the data available in Eurostats databases on 22 feb. 2010. 170,864

6. Water beds and air mattresses

Statistical data on import and manufacturing of water beds and air mattresses is presented in table 6.1 below.

TABLE 6.1
IMPORT TO AND MANUFACTURING OF WATER BEDS AND AIR MATTRESSES IN EU27 * 1

Position	2007 tonnes	2008 tonnes	2009 tonnes	2010 tonnes	2011 tonnes	Comments	Significant exporters (2011)
Import to EU27							
63064000	9,315	10,516	8,827	11,761	8,413	Pneumatic mattresses of textile material	China (98%)
Import - total	9,315	10,516	8,827	11,761	8,413		
Manufac- turing in EU27							
13922270	5,456	8,246*2	13,203	17,393	12,972	Pneumatic mattresses and other camping goods (excl. tents, sleeping bags etc.)	
Manufac- turing- total	5,456	8,246	13,203	17,393	12,972		

Notes:

* 1 For import the position number stated is referring to Eurostats database on external trade (CN8) [Eurostat 2012a], while for manufacturing in EU 27 the position number is referring to Eurostats PRODCOM - database [Eurostat 2012b]. Identification of significant exporters to EU27 is also based on Eurostats database on external trade (CN8).

* 2 Figure was reported as 1,167 tonnes in Environmental Project No. 1362 [Hansen et al 2011] based on the data available in Eurostats databases on 22 feb. 2010.

7. Footwear

Statistical data on import to and manufacturing of sandals, slippers in EU27 is presented in table 7.1 below. It is noted that separate statistics on thermo boots are not available as thermo boots statistically are registered together with rubber boots, and to the best of knowledge are of minor importance compared to rubber boots. For these reasons, no statistics on thermo boots are presented, neither on EU manufacturing nor on import to EU.

TABLE 7.1

IMPORT TO AND MANUFACTURING OF SANDALS, SLIPPERS IN EU27 * 1. STATISTICS ON THERMO BOOTS ARE NOT AVAILABLE FOR EU*3.

Position	2007 tonnes	2008 tonnes	2009 tonnes	2010 tonnes	2011 tonnes	Comments	Significant exporters (2011)
Import to EU27							
64019900	2,643	3,761	3,319	4,163	4,296	Waterproof footwear, ankle free, soles and uppers of rubber or plastic	China (64%) Bosnia (24%)
64022000	29,693	25,321	23,484	31,456	30,508	Footwear with straps or thongs, soles and uppers of rubber or plastic	China (85%) Brazil (8%)
64029931	18,519	17,098	19,144	20,875	21,980	Footwear with a vamp made of straps or the like, uppers of plastic, max. sole and heel height > 3 cm	China (86%) Vietnam (7%)
64029939	73,251	69,139	59,309	77,335	80,502	Footwear with a vamp made of straps or the like, uppers of plastic, max. sole and heel height ≤ 3 cm	China (86%) Vietnam (6%)
Import - total	124,106	115,318	105,255	133,827	137,285		
Manufac- turing in EU27							
15201100	-	-	-	-	-	Waterproof footwear, ankle free, soles and uppers of rubber or plastic	
15201210	-	-	-	-	-	Sandals with soles and uppers of rubber or plastic (incl. thong type sandals, flip flops)	
15201231	-	-	-	-	-	Town footwear with rubber or plastic uppers	
Manufac- turing- total *2	99,439	70,971*3	67,431	81,026	87,209		

Notes:

* 1 For import the position number stated is referring to Eurostats database on external trade (CN8) [Eurostat 2012a], while for manufacturing in EU 27 the position number is referring to Eurostats PRODCOM - database [Eurostat 2012b]. Identification of significant exporters to EU27 is also based on Eurostats database on external trade (CN8).

- * 2 Estimate based on value of manufacturing and value/tonnage of import.
- *3 Figures was reported as 92,146 tonnes in Environmental Project No. 1362 [Hansen et al 2011] based on the data available in Eurostats databases on 22 feb. 2010.

8. Bathing equipment (swim-coats/wings/belts and pools)

Statistical data on import to and manufacturing of bathing equipment etc. is presented in table 8.1 below.

TABLE 8.1
IMPORT TO AND MANUFACTURING OF BATHING EQUIPMENT ETC. IN EU27 * 1

Position	2007 tonnes	2008 tonnes	2009 tonnes	2010 tonnes	2011 tonnes	Comments	Significant exporters
Import to EU27							
95069990	218,153	203,460	153,134	183,356	202,512	Articles/equipment for sport and open-air games, swimming and paddling pools	China (87%)
Import - total	218,153	203,460	153,134	183,356	202,512		
Manufacturing in EU27							
32301590 *2	453,848	411,171	333,090	362,348	387,803	Articles/equipment for sport and open-air games.	
Manufacturing-total	453,848	411,171	333,090	362,348	387,803		

Notes:

* 1 For import the position number stated is referring to Eurostats database on external trade (CN8) [Eurostat 2012a], while for manufacturing in EU 27 the position number is referring to Eurostats PRODCOM - database [Eurostat 2012b]. Identification of significant exporters to EU27 is also based on Eurostats database on external trade (CN8).

* 2 Estimate based on value of manufacturing and value/tonnage of import.

9. Balls of PVC for playing and physical exercises

Statistical data on import and manufacturing of balls of PVC for playing and physical exercises is presented in table 9.1 below.

TABLE 9.1
IMPORT TO AND MANUFACTURING OF BALLS IN EU27 * 1

Position	2007 tonnes	2008 tonnes	2009 tonnes	2010 tonnes	2011 tonnes	Comments	Significant exporters 2010/2011*4
Import to EU27							
95066290	30,845	37,221	26,104	33,468	Not available	Inflatable balls (not leather)	China (63%) Pakistan (23%) India (6%)
95066990	10,741	10,204	9,814	11,700	10,797	Balls (not inflatable, golf, tennis, table- tennis, cricket etc.)	China (77%) Taiwan (5%) Pakistan (5%) India (5%)
Import - total	41,585	47,425	35,917	45,169	10,797		
Manufac- turing in EU27							
32301580 *2	15,268	11,418*3	10,515	13,697	12,127	Balls (not golf, table- tennis, medicine balls or punch balls)	
Manufac- turing- total	15,268	11,418	10,515	13,697	12,127		

Notes:

* 1 For import the position number stated is referring to Eurostats database on external trade (CN8) [Eurostat 2012a], while for manufacturing in EU 27 the position number is referring to Eurostats PRODCOM - database [Eurostat 2012b]. Identification of significant exporters to EU27 is also based on Eurostats database on external trade (CN8).

* 2 Estimate based on value of manufacturing and value/tonnage of import.

*3 Figure was calculated as 13,245 tonnes in Environmental Project No. 1362 [Hansen et al 2011] based on the data available in Eurostats databases on 22 feb. 2010.

*4 Information on importers for position number 95066290 is based on 2010-data, while for position number 9506990 2011-data has been employed.

References

Hansen, E; Højbye, L. ; Maag; J. 2011. Background data for Annex XV dossier - DEHP, BBP, DBP and DIBP. Environmental Project No. 1362/2011. The Danish Environmental Protection Agency.

Eurostat 2012a. EU27 Trade Since 1988 By CN8.

http://epp.eurostat.ec.europa.eu/portal/page/portal/statistics/search_database

Eurostat 2012b. Prodcom database - Prodcom Annual Sold (NACE Rev. 2) (DS_066341).

<http://epp.eurostat.ec.europa.eu/portal/page/portal/prodcom/data/database>

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