



EUROPEAN COMMISSION
DIRECTORATE-GENERAL
ENVIRONMENT
Directorate D – Water, Marine Environment & Chemicals
ENV.D3 – Chemicals, Biocides & Nanomaterials

Summary report on exports and imports in 2011 of chemicals listed in Annex I to Regulation (EC) No 689/2008

In accordance with Article 9 of Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals, exporters and importers were required to provide their designated national authorities (DNAs) with information about trade in Annex I chemicals in 2011 by 31 March 2012. On the basis of that information, each Member State was requested to provide the Commission with aggregated information in accordance with Annex III to the Regulation so that the Commission can summarize that information at Union level and make non-confidential information publicly available on the Internet.

The purpose of this document is to present an overall summary of the information the Commission has received.

1. Export of chemicals

The following Member States reported trade activities and submitted data about exports in 2011 of Annex I chemicals: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, the Netherlands and the United Kingdom. The following Member States reported that no chemicals were exported: Cyprus and Lithuania. The remaining two Member States, Luxembourg and Malta, did not provide any information.

170 exporters have provided data. On the basis of the information submitted by reporting Member States, the situation as regards EU exports in 2011 can be summarised as presented in table 1. It should be noted that in some cases (e.g. ethylene oxide) the chemicals concerned are double use chemicals for which industrial use is not subject to a ban or severe restriction within the EU, or in many importing countries. It is reasonable to assume most exports were for such purposes.

Table 1: Exports of chemicals listed in Annex I to Regulation (EC) No 689/2008 in 2011

Chemicals	Quantity (tonnes)	Importing countries
1,2-Dichloroethane	791439	35
1,3-Dichloropropene	7788	18
Amitraz	97	9
Ametryn	627	9
Arsenic compounds	18	26
Benzene	91142	45
Cadmium and its compounds	13944	34
Chloroform	74690	94
Chlorate	89278	22
Creosote and related substances	57271	22
Diazinon	44	9
Dichlorvos	30	5
Ethylene oxide	10975	27
Fenthion	495	19
Malathion	39429	33
Mercury compounds	43	57
Methomyl	234	22
Monuron	0.3	8
Nonylphenols	2213	43
Nonylphenol ethoxylates	80325	55
Permethrin	1911	92
Tolyfluanid	661	27
Zineb	3330	44
Pesticides (1): 1,2-Dibromoethane, Atrazine, Bifenthrin, Chlorfenapyr, Fenarimol, Nicotine, PFOS and Thiodicarb	5545	32
Pesticides (2): Azinphos-methyl, Carbosulfan, Cholecalciferol, Endosulfan, Maleic hydrazide and its salts, Phosalone, Propanil and Trifluralin	5803	29

Table 1: Exports of chemicals listed in Annex I to Regulation (EC) No 689/2008 in 2011 (continued)

Chemicals	Quantity (tonnes)	Importing countries
Pesticides (2): Azinphos-methyl, Carbosulfan, Cholecalciferol, Endosulfan, Maleic hydrazide and its salts, Phosalone, Propanil and Trifluralin	5803	29
Pesticides (3): 2-Aminobutane, Anthraquinone, Chlorfenvinphos, Dicofol, Ferbam, Methidathion, Omethoate, Simazine and Tridemorph	1420	24
Pesticides (4): Acephate, Carbaryl, Cyanazine, Dieldrin, DNOC and its salts, Hexazinone, Methyl-parathion, Thiocyclam and Trichlorfon	2029	20
Pesticides (5): Butralin, Carbofuran, Diphenylamine, Paraquat, Procymidone, Triazophos, Tributyltin compounds and Tricyclazole	7048	36
Industrial chemicals : 2-Naphthylamine, Benzidine derivatives, Carbon tetrachloride, Dinoseb and its salts and esters, Hexachloroethane and Tetraethyl lead	5079	29

(In order to preserve commercial confidentiality some chemicals have been grouped randomly)

The breakdown of the exported quantities (in tonnes) reported in table 1 by broad geographic region, using the 5 UN regions (Africa (AF), Asian and Pacific States (AP), Central and Eastern Europe States (CEE), Latin American and Caribbean States (LAC) and Western Europe and other States (WEOG)), is as presented in table 2.

Table 2: Exports of chemicals listed in Annex I to Regulation (EC) No 689/2008 to various geographical regions in 2011 (in tonnes)

Chemicals	AF	AP	CEE	LAC	WEOG
1,2-Dichloroethane	1595	283813	51	1	505980
1,3-Dichloropropene	3152	4174	0	124	338
Amitraz	12	8	0	76	1
Ametryn	101	8	0	518	0
Arsenic compounds	0	17	0	0	0
Benzene	525	4	30818	0	59794
Cadmium and its compounds	0	1354	16	0	24
Chloroform	4247	21740	5090	5183	38431
Chlorate	9012	33158	21483	10465	15160
Creosote and related substances	1998	16	4477	4	50777
Diazinon	0	1	37	3	2
Dichlorvos	29	0	0	0	1

Table 2: Exports of chemicals listed in Annex I to Regulation (EC) No 689/2008 to various geographical regions in 2011 (in tonnes) (continued)

Chemicals	AF	AP	CEE	LAC	WEOG
Ethylene oxide	110	345	3	49	10468
Fenthion	119	279	48	39	10
Malathion	601	30864	65	4261	3639
Mercury compounds	1	33	0	2	7
Methomyl	129	49	10	0	45
Monuron	0	0	0	0	0
Nonylphenols	92	189	876	725	329
Nonylphenol ethoxylates	2465	12137	9237	3648	52838
Permethrin	5	1849	6	20	31
Tolyfluanid	0	605	45	2	9
Zineb	5	2768	94	392	72
Pesticides (1): 1,2-Dibromoethane, Atrazine, Bifenthrin, Chlorfenapyr, Fenarimol, Nicotine, PFOS and Thiodicarb	787	774	1692	252	2041
Pesticides (2): Azinphos-methyl, Carbosulfan, Cholecalciferol, Endosulfan, Maleic hydrazide and its salts, Phosalone, Propanil and Trifluralin	110	409	41	127	5116
Pesticides (3): 2-Aminobutane, Anthraquinone, Chlorfenvinphos, Dicofol, Ferbam, Methidathion, Omethoate, Simazine and Tridemorph	23	119	0	687	591
Pesticides (4): Acephate, Carbaryl, Cyanazine, Dieldrin, DNOC and its salts, Hexazinone, Methyl-parathion, Thiocyclam, and Trichlorfon	41	91	0	1506	391
Pesticides (5): Butralin, Carbofuran, Diphenylamine, Paraquat, Procymidone, Triazophos, Tributyltin compounds and Tricyclazole	306	2292	30	2249	2172
Industrial chemicals : 2-Naphthylamine, Benzidine derivatives, Carbon tetrachloride, Dinoseb and its salts and esters, Hexachloroethane and Tetraethyl lead	1810	1932	1	151	1185

(In order to preserve commercial confidentiality some chemicals have been grouped randomly).

2. Imports of chemicals

As regards imports in 2011, 21 Member States have submitted information. Data on imports were obtained from Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Lithuania, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom. The majority of the imports came from exporters in the USA, Switzerland and China.

Cyprus, Denmark, Finland, Greece, Ireland, Lithuania, the Netherlands, Slovakia and Sweden stated that no information on imports of dangerous chemicals was submitted to them. Obviously this is the same for the remaining Member States Austria, Hungary, Italy, Latvia, Luxembourg and Malta that did not provide any information on imports. Therefore the data received provide only a partial view, but might give an indication.

Table 3 lists the chemicals for which more than 10 kg have been reported. Chemicals have been grouped together to preserve commercial confidentiality.

Table 3: Imports of chemicals listed in Annex I to Regulation (EC) No 689/2008 in 2011

Chemicals	Quantities (tonnes)
Pesticides (1): 1,2-Dibromoethane, Acephate, Amitraz, Arsenic compounds, Cynazine, Omethoate and Thiocyclam	265
Pesticides (2): 1,2-Dichloroethane, Ametryn, Dicofol, Malathion, Methomyl, Quintozene, Triazophos and Trichlorfon	235
Pesticides (3): 1,3-Dichloropropene, Acifluoren, Anthraquinone, Carbaryl, Mercury compounds, Simazine and Tributylin compounds	2252
Pesticides (4): 2-Naphthyloxyacetic acid, Bifenthrin, Diazinon, Endosulfan, Fenthion, Permethrin and Thallium sulphate	407
Pesticides (5): Atrazine, Chlorfenapyr, Diphenylamine, Fenitrothion, Procymidone and Thiodicarb	281
Pesticides (6): Azinphos-methyl, Chlorate, Dichlorvos, Ethylene oxide, Fenvalerate, Maleic hydrazide and its salts, Propanil and Trifluralin	3550
Industrial Chemicals (1): Benzidine and its salts and benzidine derivatives, Carbon tetrachloride, Creosote and creosote related substances, Nonylphenols and Polybrominated biphenyls (PBBs)	2393
Industrial Chemicals (2): Benzene, Cadmium and its compounds, Chloroform, Hexachloroethane and Nonylphenol ethoxylates	25111

(In order to preserve commercial confidentiality some chemicals have been grouped randomly).