



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

Summary report on exports and imports in 2008 of chemicals listed in Annex I to Regulation (EC) 689/2008

In accordance with Article 9 of Regulation (EC) 689/2008, exporters and importers were required to provide their DNAs with information about trade in Annex I chemicals in 2008 by 31 March 2009. On the basis of this information, each Member State was requested to provide the Commission with aggregated information in accordance with Annex III of the Regulation so that the Commission can summarise this at Community level and make the 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. Exports of chemicals

The following Member States reported trade activities and submitted data about exports in 2008 of Annex I chemicals: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Italy, the Netherlands, Poland, Romania, Slovenia, Spain, Sweden and the UK. Some Member States reported that no chemicals were exported: Cyprus, Estonia, Hungary, Ireland, Lithuania, Portugal and Slovakia. The remaining Member States did not respond.

Around 150 exporters have provided data. On the basis of the information submitted by reporting Member States, the situation as regards EU exports in 2008 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) 689/2008 in 2008

Chemicals	Quantity (tonnes)	Importing countries
1,2-Dichloroethane	265044	26
1,2-Dibromoethane	1544	22
Benzene	52228	40
Cadmium and its compounds	197198	41
Carbon tetrachloride	6121	14
Chloroform	66455	75
Creosote and related substances	47169	15
Diuron	2037	54
Endosulfan	1135	16
Ethylene oxide	12738	18
Fenthion	546	27
Mercury compounds	318	51
Nonylphenols	736	20
Nonylphenol ethoxylates	16613	62
Permethrin	138	56
Pesticides (1): Atrazine, Dinoseb, Ferbam, Hexazinone, Lindane, Simazine and Zineb	850019	50
Pesticides (2): Arsenic compounds, Diazinon, Ethion, Fenitrothion, Malathion, Methidathion and Methyl parathion	9836	54
Pesticides (3): Amitraz, Chlorfenapyr, Cholecalciferol, Cyhalothrine, Omethoate and Thiram (dustable power formulation)	90	24
Pesticides (4): Acephate, Amethryn, Cadusafos, Chlorfenvinphos, Dichlorvos, Methamidophos, Triazophos and Tridemorph	2364	33
Pesticides (5): 2-aminobutane, Carbaryl, Carbofuran, Carbosulfan, Aldicarb, Thiodicarb and Thiocyclam	174	21
Pesticides (6): Azinphos-methyl, cis-1,3-dichloropropene, Haloxyfop-R, Pentachlorophenol, Phosalone, Trichlorfon, Vinclozolin	2192	30
Industrial chemicals : 1,1,1- trichloroethane, Benzidine, Hexachlorethane, Perfluorooctane sulfonates, Tetraethyl Lead and Triorganostannic compounds	4472	39

(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)), was as presented in table 2.

Table 2: Exports of chemicals listed in Annex I to Regulation (EC) 689/2008 to various geographical regions in 2008 (in tonnes)

Chemicals	AF	AP	CEE	LAC	WEOG
1,2-Dichloroethane	245	164866	41	0.003	99891
1,2-Dibromoethane	458	430	7.16	56	593
Benzene	527	1805	4.3	0.61	49891
Cadmium and its compounds	100	130899	1.1	78	66119
Carbon tetrachloride	0.016	6119	1.24	0.89	0.48
Chloroform	109	63489	219	2451	206
Creosote and related substances	1874	1619	2800	18	40857
Diuron	57	1607	5.2	306	61
Endosulfan	141	427	0.7	444	123
Ethylene oxide	128	48	6	9.9	12546
Fenthion	54	340	17	47	88
Mercury compounds	29	254	0.4	1.2	33
Nonylphenols	0.96	80	342	17	296
Nonylphenol ethoxylates	1825	9007	117	4652	1012
Permethrin	10	34	7	58	28

Table 2: Exports of chemicals listed in Annex I to Regulation (EC) 689/2008 to various geographical regions in 2008 (in tonnes) (continued)

Chemicals	AF	AP	CEE	LAC	WEOG
Pesticides (1): Atrazine, Dinoseb, Ferbam, Hexazinone, Lindane, Simazine and Zineb	952	844925	237	1847	2058
Pesticides (2): Arsenic compounds, Diazinon, Ethion, Fenitrothion, Malathion, Methidathion and Methyl parathion	439	480	292	4230	4394
Pesticides (3): Amitraz, Chlorfenapyr, Cholecalciferol, Cyhalothrine, Omethoate and Thiram (dustable power formulation)	37	44	0.04	4.8	4.02
Pesticides (4): Acephate, Amethryn, Cadusafos, Chlorfenvinphos, Dichlorvos, Methamidophos, Triazophos and Tridemorph	455	150	5.04	1616	138
Pesticides (5): 2-aminobutane, Carbaryl, Carbofuran, Carbosulfan, Aldicarb, Thiodicarb and Thiocyclam	122	7.1	-	7.6	37
Pesticides (6): Azinphos-methyl, cis-1,3-dichloropropene, Haloxyfop-R, Pentachlorophenol, Phosalone, Trichlorfon, Vinclozolin	9.9	172	55	263	1693
Industrial chemicals : 1,1,1- trichloroethane, Benzidine, Hexachlorethane, Perfluorooctane sulfonates, Tetraethyl Lead and Triorganostannic compounds	1229	1702	12	98	1430

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

2. Imports of chemicals

As regards imports in 2008, 18 Member States have reacted. Data on imports were obtained from the Czech Republic, France, Germany, Latvia, Lithuania, the Netherlands, Portugal, Romania and Spain. The majority of the imports came from exporters in the USA, Switzerland and China.

Bulgaria, Cyprus, Estonia, Finland, Greece, Ireland, Poland, Slovakia and Slovenia stated that no information on imports of dangerous chemicals is available. Obviously this is the same for the remaining Member States. Therefore the data received provide only a partial view, but might give an indication.

For reasons of information, table 3 lists the chemicals for which more than 10 kg had been reported. Chemicals have been grouped together to preserve commercial confidentiality.

Table 3: Imports of chemicals listed in Annex I to Regulation (EC) 689/2008 in 2008

Chemicals	Quantities (tonnes)
Pesticides (1): Atrazine, Dinsoseb, 1,2-Dibromoethane, Ethylene oxide and Endosulfan	158
Pesticides (2): Arsenic compounds, Diuron, Ethion, Fenitrothion, Fenthion and Malathion	332
Pesticides (3): Amitraz, Chlordimeform, Chlorfenapyr, Iminoctadine, Mercury compounds and Omethoate	53
Pesticides (4): Acephate, Ametryn, Chlorfenvinphos, Dichlorvos, Methamidophos and Triazophos	159
Pesticides (5): Aldicarb, Carbaryl, Carbosulfan, Thiocyclam and Thiodicarb	126
Pesticides (6): 2-Aminobutane, Pentachlorophenol, Thallium sulphate, Trichlorfon and Tridemorph	18
Industrial Chemicals (1): 1,2-Dichloroethane, Benzene, Benzidine and its salts, Carbon tetrachloride, Hexachlorethane and Triorgannostannic compounds	7729
Industrial Chemicals (2): Asbestos, Cadmium and its compounds, Chloroform, Creosote and related substances and Nonylphenol ethoxylates	2286

Furthermore Diazinon, Nonylphenol, Permethrin and Thiram have been reported but it was not possible to calculate volumes imported based on the submitted data.