

COMMISSION OF THE EUROPEAN COMMUNITIES

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COMMUNICATION FROM THE COMMISSION TO THE COUNCIL

Chlorofluorocarbons in the environment : updating the situation

1. On 31 May 1983 the Commission sent to the Council a Communication on this subject⁽¹⁾. On 16 June 1983 the Council took note of this communication which concluded that :

"A re-examination of all aspects of the situation with a view towards taking the appropriate measures at Community level could be done, under normal circumstances, by the end of 1985".

2. Since then the European Community signed the Vienna Convention for the protection of the ozone layer on 22 March 1985 as a Contracting Party along with seven other Member States. In addition it subscribed to the Resolution attached to the Final Act of the signature, that launched the work for the preparation of a Protocol on CFCs.
3. Quite apart, however, from the work on CFCs that is currently under way under the aegis of the Vienna Convention, a full re-examination taking into account all aspects cannot be conducted at this time.

In fact, the major report containing the latest scientific information on the state of the ozone layer sponsored by WMO, NASA, UNEP, the Commission and other international organisations will be ready only at the end of 1985;

Furthermore, the Coordinating Committee on the Ozone Layer (CCOL) of UNEP will conduct its next scientific assessment of the state of the ozone layer in January 1986;

In the past the Commission has always based itself on the assessment provided by such internationally recognized authorities in order to conduct a full re-examination of the situation.

4. Annex I contains the updating of the total Community annual figures of production and sales of CFC 11, 12, 113 and 114 which the European chlorofluorocarbon producers provided to the Commission. These figures

(1) COM(83)284 Final, 31.5.1983

show that the situation continues to be the same as in previous years, notably with a reduction of 35 % in the use of CFC 11 and 12 in aerosols as compared with 1976.

5. Under the action programme in the sectors of refrigeration, foam plastics and solvents the Commission has distributed with the help of the corresponding European Industry Associations the Codes of Practice in Foam Plastics^(*), Refrigeration^(*) and Solvents^(*). These codes are currently being applied by the appropriate industries. These codes will be reviewed in the light of experience and in consultation with the industries concerned, not later than 1988.
6. Since the signature on of the Vienna Convention on the protection of the ozone layer the Commission has been participating in the international discussions concerning the preparation of the CFC Protocol. These discussions will lead to two sessions of a workshop on the control of CFCs to be held during 1986 (May and September). The aim of this workshop will be to gather all the necessary information so that all the possible options for controlling CFCs can be considered. It is expected that this exercise will then result in the preparation by UNEP of the Protocol on CFCs.
7. In the light of the developments noted above the Commission counts on being able to present a full re-examination of all aspects of the situation concerning CFCs in the second semester of 1986 in good time for it to be taken into account by member States and by the concluding stages of the negotiations of the CFC Protocol of the Vienna Convention. In this way there is every prospect of ensuring coherence between Community decisions and the planned international protocol. This is plainly greatly to be desired.
8. The Commission accordingly proposes that the Council should take note of this Communication and should invite the Commission to present the full re-examination foreseen by the last Communication in the second semester of 1986.

(*) European Community Reports Nos. EUR 9508, EUR 9509, EUR 9510

CFC 11 & 12 PRODUCTION AND SALES BY EEC PRODUCERS : 1976 - 1984

Tonnes CFCs 11 & 12

	1976	1977	1978	1979	1980	1981
PRODUCTION (including imports)	326,433	319,107	307,033	304,238	295,718	300,144
Change from 1976 - tes		- 7,326	- 19,400	- 22,195	- 30,715	- 26,289
- %		- 2.2	- 5.9	- 6.8	- 9.4	- 8.1
SALES IN EEC MARKETS (excluding sales to co-producers)						
AEROSOLS	176,914	162,568	150,424	136,552	126,442	116,139
Change from 1976 - tes		- 14,346	- 26,490	- 40,362	- 50,472	- 60,775
- %		- 8.1	- 15.0	- 22.8	- 28.5	- 34.4
REFRIGERATION	20,773	20,293	20,416	20,300	21,174	21,451
Change from 1976 - tes		- 480	- 357	- 473	+ 401	+ 678
- %		- 2.3	- 1.7	- 2.3	+ 1.9	+ 3.3
FOAM PLASTICS	42,154	45,254	54,524	55,788	61,859	64,067
Change from 1976 - tes		+ 3,100	+ 12,370	+ 13,634	+ 19,705	+ 21,913
- %		+ 7.4	+ 29.3	+ 32.3	+ 46.7	+ 52.0
SOLVENTS/OTHER USES	4,178	4,871	6,073	6,921	7,353	8,108
Change from 1976 - tes		+ 693	+ 1,895	+ 2,743	+ 3,175	+ 3,930
- %		+ 16.6	+ 45.4	+ 65.7	+ 76.0	+ 94.1
TOTAL SALES IN EEC	244,019	232,986	231,437	219,561	216,828	209,765
Change from 1976 - tes		- 11,033	- 12,582	- 24,458	- 27,191	- 34,254
- %		- 4.5	- 5.2	- 10.0	- 11.1	- 14.0
TOTAL EXPORTS OUTSIDE EEC	83,578	81,187	82,236	81,636	79,361	88,243
Change from 1976 - tes		- 2,391	- 1,342	- 1,942	- 4,217	+ 4,665
- %		- 2.9	- 1.6	- 2.3	- 5.0	+ 5.6
TOTAL EEC AND EXPORT SALES	327,597	314,173	313,673	301,197	296,189	298,008
Change from 1976 - tes		- 13,424	- 13,924	- 26,400	- 31,408	- 29,589
- %		- 4.1	- 4.3	- 8.1	- 9.6	- 9.0
PRODUCTION LESS SALES	- 1,164	- 4,934	- 6,640	+ 3,041	- 471	+ 2,136

CFC 11 & 12 PRODUCTION AND SALES BY EEC PRODUCERS : 1976 - 1984 Cont.

Tonnes CFCs 11 & 12

	1982	1983	1984
PRODUCTION (including imports)	288,979	310,193	322,209
Change from 1976 - tes	- 37,454	- 16,240	- 4,224
- %	- 11.5	- 5.0	- 1.3
SALES IN EEC MARKETS (excluding sales to co-producers)			
AEROSOLS	111,712	113,895	114,657
Change from 1976 - tes	- 65,202	- 63,019	- 62,257
- %	- 36.9	- 35.6	- 35.2
REFRIGERATION	21,245	21,605	23,064
Change from 1976 - tes	+ 472	+ 832	+ 2,291
- %	+ 2.3	+ 4.0	+ 11.0
FOAM PLASTICS	65,627	70,053	69,445
Change from 1976 - tes	+ 23,473	+ 27,899	+ 27,291
- %	+ 55.7	+ 66.2	+ 64.7
SOLVENTS/OTHER USES	8,178	10,867	10,563
Change from 1976 - tes	+ 4,000	+ 6,689	+ 6,385
- %	+ 95.7	+160.1	+152.8
TOTAL SALES IN EEC	206,762	216,420	217,729
Change from 1976 - tes	- 37,257	- 27,599	- 26,290
- %	- 15.3	- 11.3	- 10.8
TOTAL EXPORTS OUTSIDE EEC	81,999	91,229	103,420
Change from 1976 - tes	- 1,579	+ 7,651	+ 19,842
- %	- 1.9	+ 9.2	+ 23.7
TOTAL EEC AND EXPORT SALES	288,761	307,649	321,149
Change from 1976 - tes	- 38,836	- 19,948	- 6,448
- %	- 11.9	- 6.1	- 2.0
PRODUCTION LESS SALES	+ 218	+ 2,544	+ 1,060

NOTE : The 1981, 1982, 1983 and 1984 data includes Greece whereas the the earlier years does not!

CFC 113/114 PRODUCTION AND SALES BY EEC PRODUCERS FOR THE YEARS
1976, 1977 AND 1984

Tonnes CFCs 113 & 114

	1976	1977	1984
PRODUCTION (including imports)	23,524	23,879	53,568
Change from 1976 - tes		+ 355	+ 30,044
- %		+ 1.5	+127.7
SALES IN EEC MARKETS (excluding sales to co-producers)			
AEROSOLS	5,198	5,261	5,294
Change from 1976 - tes		+ 63	+ 96
- %		+ 1.2	+ 1.8
REFRIGERATION	135	223	281
Change from 1976 - tes		+ 88	+ 146
- %		+ 65.2	+108.2
FOAM PLASTICS	373	992	1,710
Change from 1976 - tes		+ 619	+ 1,337
- %		+166.0	+358.4
SOLVENTS/OTHER USES	11,861	12,831	31,344
Change from 1976 - tes		+ 970	+ 19,483
- %		+ 8.2	+164.3
TOTAL SALES IN EEC	17,567	19,307	38,629
Change from 1976 - tes		+ 1,740	+ 21,062
- %		+ 9.9	+119.9
TOTAL EXPORTS OUTSIDE EEC	5,183	5,656	12,873
Change from 1976 - tes		+ 473	+ 7,690
- %		+ 9.1	+148.4
TOTAL EEC AND EXPORT SALES	22,750	24,963	51,502
Change from 1976 - tes		+ 2,213	+ 28,752
- %		+ 9.7	+126.4
PRODUCTION LESS SALES	+ 774	- 1,084	+ 2,066

NOTE: The 1984 data includes Greece whereas the 1976 and 1977 data does not.

EEC PRODUCTION AND USE STATISTICS IN TONNES

	1976	1977	1984
PRODUCTION inc all imports	23,524	23,879	53,568
SALES IN HOME MARKET			
Aerosols	3,738	4,053	4,088
Refrigeration	51	105	112
Foam	300	611	754
Solvent/other uses	5,783	6,519	15,922
SALES TO EEC MARKETS			
Aerosols	1,460	1,208	1,206
Refrigeration	84	118	169
Foam	73	381	956
Solvent/other uses	6,078	6,312	15,422
TOTAL EEC SALES	17,567	19,307	38,629
TOTAL EXPORTS OUTSIDE EEC	5,183	5,656	12,873
TOTAL EEC AND EXPORT SALES	22,750	24,963	51,502
PRODUCTION LESS SALES	+ 774	-1,084	+2,066

NOTE:

1976 and 1977 data from earlier PMM exercise and does not include Greece whereas the 1984 data does.