

Eco-Efficiency Indicators: TOTAL EMISSIONS OF ODS [t CFC-11 eq.]

		2004		2005		2006		2007		2008	
Replacement ODS purchased for own equipment = emitted	ODP	in t substance	in t CFC-11 eq.	in t substance	in t CFC-11 eq.	in t substance	in t CFC-11 eq.	in t substance	in t CFC-11 eq.	in t substance	in t CFC-11 eq.
CFC-12	1	0	0	0	0	0	0	0	0	0	0
R-502	0.33	0	0	0	0	0	0	0	0	0	0
Halon-1301	10							0	0	0	0
HCFC-22	0.055	6.46	0.36	9.12	0.5	11.84	0.65	8.2	0.45	6.65	0.37
Others	0.03	<0.1	0	<0.1	0	0.25	0	0.61	0.01	0.13	0.04
Total emitted		6.46	0.36	9.12	0.50	12.09	0.65	8.81	0.46	6.78	0.41
Net Value Added [million CHF]			2'587		2'412		2'154		2'158		1'881
Eco-Efficiency Indicator "Emissions of ODS/Net Value Added" [kg CFC-11 eq./million CHF]			0.14		0.21		0.30		0.21		0.22
Net Value Added [million CHF] at 2000 exchange rates			3'273		3'051		2'668		2'572		2'681
Eco-Efficiency Indicator "Emissions of ODS/Net Value Added" [kg CFC-11 eq./million CHF] at 2000 exchange rates			0.11		0.16		0.24		0.18		0.15

Ciba Inc. does not manufacture or use ozone-depleting chemicals as a raw material. The Company uses ozone-depleting substances (ODS) solely in refrigeration units and stationary fire extinguishing systems.

The emissions were calculated from the amounts of ODS purchased to replace losses from the equipment multiplied by the ozone-depleting potential ODP.



Eco-Efficiency Indicators: Dependency on ODS

ODS in Equipment and in storage

		2004		2005		2006		2007		2008	
		in t substance	in t CFC-11 eq.	in t substance	in t CFC-11 eq.	in t substance	in t CFC-11 eq.	in t substance	in t CFC-11 eq.	in t substanc e	in t CFC- 11 eq.
	CFC-12	0.18	0.18	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	R-502	0	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.02	0.01
	Halon-1301	2.53	25.30	2.77	27.66	1.86	18.62	1.86	18.62	1.66	16.60
	HCFC-22	31.15	1.71	52.98	2.91	32.66	1.80	34.90	1.92	35.62	1.96
	Others	2.17	0.07	1.70	0.05	1.64	0.05	1.10	0.03	2.47	0.43
	Total	36.03	27.26	57.47	30.64	36.18	20.47	37.88	20.58	39.77	19.00
Total Dependency in t-CFC11 eq.			27.26		30.64		20.47		20.58		19.00

There is no historical data on the Company's dependency on ozone depleting substances, as the SEEP reporting system did not ask sites to report their stocks. The data 2003 and 2004 was collected separately, 2005/06 data was specifically asked for; routine collection will be introduced in the next version of the SEEP programme.

The dependency on ODS is being reduced, as units containing ODS are being replaced as required by local legislation or when they reach the end of their useful life. There is no specific company programme to accelerate the replacement of these substances.

For the year 2006 ODS from former TE sites are not included. Consequently Net Value Added 2006 does not include TE.

