

EPA's Summary Tables for 2013 Company Progress Reports

Table 1. Reported Emissions and Product Content of PFOA, Precursors, and Higher Homologues from U.S. Operations

Company	Reduction Year	Chemical Category	Emissions		Product Content		
			Releases to all media from FP and Telomer Manufacturing (kg)	kg of release / kg of product produced	Dispersions (ppm wet-weight basis)	Other Fluoropolymers (ppm dry-weight basis)	Telomers (ppm dry-weight basis, unless stated otherwise)
Arkema	2012	PFOA, PFOA salts and Higher Homologues	> 500 – 2,000	>0.0001-0.0005	0	>5-20	Not Applicable
		Precursors	Not Applicable				
Asahi	2012	PFOA, PFOA salts and Higher Homologues	0	Not Applicable	0	0	Not Applicable
		Precursors	Not Applicable				
Ciba/BASF	2012	PFOA	Not Applicable				
		Higher Homologues					
		Precursors					
Clariant	2012	PFOA and PFOA salts	Not Applicable				
		Direct Precursors					
Daikin	2012	PFOA	<0.1	None reported	0	0	0.13 kg
		Precursor and Higher Homologues	<0.1	None reported	Not Applicable	Not Applicable	CBI
DuPont	2012	PFOA and PFOA Salts	137	None reported	6	3	7 kg ¹
		Higher Homologues	Not Reported	None reported			None reported
		Precursors	CBI	None reported	None reported	None reported	<3 kg ²
Dyneon/3M	2012	PFOA, PFOA salts and Higher Homologues	0	0	0	0	No Telomer Production
		Precursors	0				
Solvay Solexis	2012	PFOA, PFOA salts and Higher Homologues	0	0	<10	<5	Not Applicable
		Precursors	Not Applicable				

¹ Global number – regional data are CBI

² Global number – regional data are CBI

Table 2. Reported Emissions and Product Content of PFOA, Precursors, and Higher Homologues from Non-U.S. Operations

Company	Reduction Year	Chemical Category	Emissions		Product Content		
			Releases to all media from FP and Telomer Manufacturing (kg)	kg of release / kg of product produced	Dispersions (ppm wet-weight basis)	Other Fluoropolymers (ppm dry-weight basis)	Telomers (ppm dry-weight basis, unless stated otherwise)
Arkema	2012	PFOA, PFOA salts and Higher Homologues	> 500 – 2,000	>0.0003-0.0008	Not Applicable	> 25-75	Not Applicable
		Precursors	Not Applicable				
Asahi	2012	PFOA, PFOA salts and Higher Homologues	23.5	For FP Production: < 1 kg / 100 kg	0	18	Negligible compared to precursors
		Precursors	0	Not Applicable	Not Applicable	Not Applicable	Average 50% (range: 0-100%)
Ciba/BASF	2012	PFOA	Not Applicable				
		Higher Homologues					
		Precursors					
Clariant	2012	PFOA and PFOA salts	1.5	None reported	None reported	None reported	2 kg
		Direct Precursors	<1.5	None reported	None reported	None reported	25 kg
Daikin	2012	PFOA	Not reported				
		Precursor and Higher Homologues					
DuPont	2012	PFOA and PFOA salts	353	None reported	5	0	3
		Higher Homologues	None reported	None reported			None reported
		Precursors	CBI	None reported	None reported	None reported	4
Dyneon/3M	2012	PFOA, PFOA salts and Higher Homologues	0	0	0	0	No Telomer Production
		Precursors	0				
Solvay Solexis	2012	PFOA, PFOA salts and Higher Homologues	Not Applicable				
		Precursors	Not Applicable				

³ Global number reported in table 1

⁴ Global number reported in table 1

Table 3. Reported Percent Reductions in Emissions and Product Content of PFOA, Precursors, and Higher Homologues from U.S. Operations (cumulative percent reductions from baseline year through end of 2012)

Company	Reduction Year	Chemical Category	% Reduction in Emissions	% Reduction in Product Content		
			% Reductions in total quantity of chemical(s) released from baseline year	Fluoropolymer Dispersions	Other Fluoropolymers	Telomer based products
Arkema	2012	PFOA, PFOA salts and Higher Homologues	92%	100%	96%	Not Applicable
		Precursors	Not Applicable			
Asahi	2012	PFOA, PFOA salts and Higher Homologues	100%	100%	100%	Not Applicable
		Precursors	Not Applicable			
Ciba/BASF	2012	PFOA	Not Applicable			
		Higher Homologues				
		Precursors				
Clariant	2012	PFOA and PFOA Salts	Not Applicable			
		Direct Precursors				
Daikin	2012	PFOA	>99%	100%	100%	97%
		Precursor and Higher Homologues	>99%	Not Applicable	Not Applicable	99%
DuPont	2012	PFOA and PFOA Salts	99%	99%	99%	99% ⁵
		Higher Homologues	None reported			
		Precursors	CBI	None reported	None reported	98% ⁶
Dyneon/3M	2012	PFOA, PFOA salts and Higher Homologues	100%	100%	Not Applicable	Not Telomer Production
		Precursors	No Precursor Production.			
Solvay Solexis	2012	PFOA, PFOA salts and Higher Homologues	99%	99%	99%	Not Applicable
		Precursors	Not Applicable			

⁵ Global number – regional data are CBI

⁶ Global number – regional data are CBI

Table 4. Reported Percent Reductions in Emissions and Product Content of PFOA, Precursors, and Higher Homologues from Non-U.S. Operations (cumulative percent reductions from baseline year through end of 2012)

Company	Reduction Year	Chemical Category	% Reduction in Emissions	% Reduction in Product Content		
			% Reductions in total quantity of chemical(s) released from baseline year	Fluoropolymer Dispersions	Other Fluoropolymers	Telomer based products
Arkema	2012	PFOA, PFOA salts and Higher Homologues	CBI	Not Applicable	CBI	Not Applicable
		Precursors	Not Applicable			
Asahi	2012	PFOA, PFOA salts and Higher Homologues	99.8%	100%	99.8%	Negligible as compared to precursors.
		Precursors	100%	Not Applicable	Not Applicable	96%
Ciba/BASF	2012	PFOA	Not Applicable			
		Higher Homologues				
		Precursors				
Clariant	2012	PFOA and PFOA Salts	70%	Not Applicable	Not Applicable	80%
		Direct Precursors	>85%	Not Applicable	Not Applicable	80%
Daikin	2012	PFOA	Not reported			
		Precursor and Higher Homologues				
DuPont	2012	PFOA and PFOA Salts	98%	99%	100%	7
		Higher Homologues	None reported			
		Precursors	CBI	None reported	None reported	8
Dyneon/3M	2012	PFOA, PFOA salts and Higher Homologues	100%	100%	100%	No Telomer Production
		Precursors	No Precursor Production			
Solvay Solexis	2012	PFOA, PFOA salts and Higher Homologues	Not Applicable			
		Precursors	Not Applicable			

⁷ Global numbers reported in Table 3

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