

EPA's Summary Tables for 2010 Company Progress Reports

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

Company	Fourth Year Reductions	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	2009	PFOA and Higher Homologues	>1,000 – 10,000	>0.0001 – 0.001	0	>10 - 50	Not Applicable
		Precursors	Not Applicable				
Asahi	2009	PFOA, PFOA salts and Higher Homologues	0	Not Applicable	0	0	Not Applicable
		Precursors	Not Applicable				
Ciba	2009	PFOA	0 kg (total for emissions and product content)				
		Higher Homologues	0 kg (total for emissions and product content)				
		Precursors	0 kg (total for emissions and product content)				
Clariant	2009	PFOA and PFOA salts	Not Applicable				
		Direct Precursors					
Daikin	2009	PFOA	<100	Not reported	<5	<15	<5 kg
		Precursor and Higher Homologues	<50	Not reported	Not Applicable	Not Applicable	CBI
DuPont	2009	PFOA and PFOA Salts	558	CBI	8	9	12 kg globally
		Higher Homologues	None Reported	None reported			None reported
		Precursors	CBI	CBI	None reported	None reported	<6 kg globally
Dyneon/3M	2009	PFOA, PFOA salts and Higher Homologues	0	0	0	0	No Telomer Production
		Precursors	0				
Solvay Solexis, Inc	2009	PFOA, PFOA salts and Higher Homologues	>1,000- 10,000	0.00128	<10ppm	170-200	Not Applicable
		Precursors	Not Applicable				

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

Company	Fourth Year Reductions	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	2009	PFOA and Higher Homologues	>1,000 – 10,000	For FP Production: (>0.1-1) kg/100kg	Not Applicable	>50 – 100	Not Applicable
		Precursors	Not Applicable				
Asahi	2009	PFOA, PFOA salts and Higher Homologues	1,363	For FP Production: <1kg/100kg	5-2,900	18	Negligible as compared to precursors
		Precursors	1,253	For Telomer Production: <1kg/100kg	Not Applicable	Not Applicable	Average 50% (range: 0-100%)
Ciba	2009	PFOA	10.8 kg (total for emissions and product content)				
		Higher Homologues	22.7 kg (total for emissions and product content)				
		Precursors	1189.0 kg (total for emissions and product content)				
Clariant	2009	PFOA and PFOA salts	0.5	< 0.00000015	Not Applicable	Not Applicable	<1.25 kg
		Direct Precursors	<2	< 0.00000005	Not Applicable	Not Applicable	26 kg
Daikin	2009	PFOA	<1,350	Not reported	<100	<50	<5 kg
		Precursor and Higher Homologues	<300	Not reported	Not Applicable	Not Applicable	CBI
DuPont	2009	PFOA and PFOA salts	572	CBI	59	0	12 kg globally
		Higher homologues	None reported	None reported			None reported
		Precursors	None reported	CBI	None reported	None reported	<6 kg globally
Dyneon/3M	2009	PFOA, PFOA salts and Higher Homologues	0	For FP Production: <1kg/100kg	0	3	No Telomer Production
		Precursors	0				
Solvay Solexis, Inc	2009	PFOA, PFOA salts and Higher Homologues	Not Applicable				
		Precursors	Not Applicable				

Reported Percent Reductions in Emissions and Product Content

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 2008)

Company	Fourth Year Reductions	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	2009	PFOA and Higher Homologues	75%	100%	80%	Not Applicable
		Precursors	Not Applicable			
Asahi	2009	PFOA, PFOA salts and Higher Homologues	100%	100%	100%	Not Applicable
		Precursors	Not Applicable			
Ciba	2009	PFOA	100% (total for emissions and product content)			
		Higher Homologues	100% (total for emissions and product content)			
		Precursors	100% (total for emissions and product content)			
Clariant	2009	PFOA and PFOA Salts	Not Applicable			
		Direct Precursors				
Daikin	2009	PFOA	>95%	>95%	>85%	>80%
		Precursor and Higher Homologues	>95%	Not Applicable	Not Applicable	>90%
DuPont	2009	PFOA and PFOA Salts	99%	99%	97%	98% globally
		Higher Homologues	None reported			
		Precursors	CBI	None reported	None reported	97% globally
Dyneon/3M	2009	PFOA, PFOA salts and Higher Homologues	100%	100%	Not Applicable	No Telomer Production
		Precursors	No Precursor Production			
Solvay Solexis, Inc	2009	PFOA, PFOA salts Ad Higher Homologues	39%	99%	0%	Not Applicable
		Precursors	Not Applicable			

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 2008)

Company	Fourth Year Reductions	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	2009	PFOA and Higher Homologues	CBI	Not Applicable	CBI	Not Applicable
		Precursors	Not Applicable			
Asahi	2009	PFOA, PFOA salts and Higher Homologues	86%	78%	PFOA content in this product is negligible as compared to that in dispersions	Negligible as compared to precursors
		Precursors	68%	Not Applicable	Not Applicable	60%
Ciba	2009	PFOA	97.6% (total for emissions and product content)			
		Higher Homologues	95.0% (total for emissions and product content)			
		Precursors	Increase of 2.7 times (total for emissions and product content)			
Clariant	2009	PFOA and PFOA Salts	>95%	Not Applicable	Not Applicable	>80%
		Direct Precursors	>80%	Not Applicable	Not Applicable	75%
Daikin	2009	PFOA	>85%	>95%	>85%	>80%
		Precursor and Higher Homologues	>80%	Not Applicable	Not Applicable	>80%
DuPont	2009	PFOA and PFOA Salts	97%	94%	100%	98% globally
		Higher Homologues	None reported			
		Precursors	None reported	None reported	None reported	97% globally
Dyneon/3M	2009	PFOA, PFOA salts and Higher Homologues	100%	100%	88%	No Telomer Production
		Precursors	No Precursor Production			
Solvay Solexis, Inc	2009	PFOA, PFOA salts and Higher Homologues	Not Applicable			
		Precursors	Not Applicable			