

AR226-0199

3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS

DOCKET NOS.

8EHQ-****-0373/0374

8EHQ-****-0394

8EHQ-****-6006

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8EHQ-****-14596

004635

3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-373/374 SORTED by SUBMITTAL DATE**

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
11/19/80 (11/24/80)	8EHQ-1180-0373 S	N-ethyl perfluorooctyl- sulfonamido ethanol N-ethyl perfluoroheptyl- sulfonamido ethanol	Preliminary information from an ongoing teratology study	1. Protocol for Oral Teratology Study in Rats, 8/80 2. Preliminary memo report by 3M, 11/12/80
11/19/80 (11/24/80)	8EHQ-1180-0374S	FC-95 & FC-99 Potassium salt of perfluoro alkyl sulfonates	Preliminary information from an ongoing teratology study 3M Technical Report regarding presence of fluorochemicals in the blood of some of 3M's plant employees.	1. Protocols for Oral Teratology Study in Rats 2. Preliminary report, 3M memo, 11/12/80 3. 3M Technical report, "Analysis of Selected Decatur Employee Serum for sulfonic and Carboxylic Fluorochemicals," 10/04/79
2/20/81 (2/26/81)	8EHQ-0281-0374S	Perfluoroalkyl Mixtures (FC- 95)	Final written report of the teratology study referenced in submission of 11/19/80	1. Report No. 1609, "Oral Teratology Study of FC-95 in Rats," 2/18/81
2/20/81 (2/26/81)	8EHQ-0281-0373S	N-ethyl perfluorooctyl- sulfonamido ethanol N-ethyl perfluoroheptyl- sulfonamido ethanol	Final written report of the teratology study referenced in submission of 11/19/80	1. Report No. 1610, "Oral Teratology Study of [subject chemical] in Rats," 2/18/81
6/15/81 (6/24/81)	8EHQ-0681-0374S 8EHQ-0681-0373S	Perfluoroalkyl Mixtures (FC-95)	Response to EPA letter of 5/15/81 requesting additional information on perfluoroalkyl mixtures	1. Animal Toxicity Studies with Amonium Perfluorooctanoate, 8/80
3/22/82 (3/24/82)	8EHQ-0382- 0373/374S	FC-143 ammonium carboxylate FM-3422 FC-95	Submission of studies on subject material per EPA request	1. Analysis of FM-3422 in serum and liver in rats from I.R.D.C. Study, 11/10/78 2. FM-3422, Ninety day subacute rhesus monkey toxicity study, 1/16/79 3. Special lens oral teratology study of T- 2999CoC in Rats, 12/22/81 4. FC-95, Ninety day subacute rhesus monkey toxicity study, 12/18/78 5. Report removing FC-95 from "confidential" and placed in "non-confidential status, 3/18/82 6. Oral Teratology Study of T-2999CoC in Rabbits, 5/10/81 - 6/26/81 7. An Epidemiologic Mortality Study of Employees at the Chemolite Plant, 2/80
5/15/84	8EHQ-0584-0374	perfluoroalkyl alcohol	Information regarding teratology studies	1. Internal 3M memo re: Teratology Studies on Perfluoroalkyl alcohol and Perfluoroalkyl

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DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
(5/23/84)		perfluoroalkyl sulfonate FC-95		sulfonate, 05/15/84 2. Internal 3M memo re: Teratology Study on Perfluoroalkyl Alcohol, 05/15/84 3. Internal 3M memo re: Teratology Study on FC-95, 05/16/84 4. Letter from Jefferson Medical College re: draft report of T3351, 12/7/83 5. Internal 3M memo re: Teratology Study on FC-95, 05/16/84 6. Rat Teratology Study, No. T-3351, Final Report, 12/19/83
5/15/84 (5/23/84)	8EHQ-0584-0373	FM-3422/T-3352 perfluoroalkyl alcohol FC-95/T-3351 perfluoroalkyl sulfonate	Information regarding teratology studies	1. Internal 3M memo re: Teratology Studies on Perfluoroalkyl alcohol and Perfluoroalkyl sulfonate, 5/15/84 2. Internal 3M memo re: Teratology Study on Perfluoroalkyl Alcohol, 05/15/84 3. Letter from Jefferson Medical College re: final report of T-3352, 05/14/84 4. Rat Teratology Study, No. T-3352, Final Report, 3/21/84
11/29/88 (12/5/88)	8EHQ-1288-0373	Fluorochemical FM-3924 N-ethyl perfluorooctane-sulfonamido ethanol	Submittal of report entitled "Two Year Oral (Diet) Toxicity/Carcinogenicity Study of Fluorochemical FM-3924 in Rats"	1. Two Year Oral (Diet) Toxicity/Carcinogenicity Study of Fluorochemical FM-3924 in Rats
5/15/98 (5/21/98)	8EHQ-0598-0373 (Follow-up on: 8EHQ-1180-0373 8EHQ-1180-0374 8EHQ-0381-0394)	Perfluorooctane Sulfonate (PFOS)	Submission of information on PFOS relating to analysis of blood sera samples	
7/10/98	8EHQ-0898-373S	Perfluorooctane Sulfonate (PFOS)	Summarizing status of 3M meeting request	
9/14/98 (9/18/98)	8EHQ-0998-0373 (Follow-up on: 8EHQ-1180-0373 8EHQ-1180-0374 8EHQ-0381-0394)	N-ethyl perfluorooctyl sulfonamido ethanol (N-EtFOSE) Perfluorooctane Sulfonate (PFOS)	Preliminary results of two-generation rat reproduction studies	
2/05/99 (3/12/99)	8EHQ-0299-373	Perfluorooctane Sulfonate (PFOS)	Reports on chemistry and sera data	1. The Science of Organic Fluorochemistry, 02/05/99 2. Perfluorooctane Sulfonate: Current Summary of Human Sera Health & Toxicology Data,

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DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
2/25/99 (3/11/99)	8EHQ-0399-373	Perfluorooctanesulfonate (FC-95) 2-(N-ethyl perfluorooctanesulfonamido)- alcohol (FM-3422)	Summary of rat teratology results	01/29/99 1. FC Rat Teratology Results, 02/10/99
2/25/99 (3/11/99)	8EHQ-0399-374	Perfluorooctanesulfonate (FC-95) 2-(N-ethyl perfluorooctanesulfonamido)- alcohol (FM-3422)	Summary of rat teratology results	1. FC Rat Teratology Results, 02/10/99
3/15/99 (3/23/99)	8EHQ-0399-374	Potassium Perfluorooctane Sulfonate	Information on rat teratology	1. Rat Teratology Study; T-3351 (Potassium Perfluorooctane Sulfonate); Final Report 2. Letter of 11/12/82 from Dr. Johnson at Thomas Jefferson University 3. Letter of 12/07/83 from Dr. Johnson at Thomas Jefferson University
5/26/99 (6/4/99)	8EHQ-0699-373 (Follow-up on: 8EHQ-1180-373; 8EHQ-1180-374; 8EHQ-0381-0394; 8EHQ-0598-373)	Sulfonyl-based fluorochemicals	Summary of initial screening data regarding the distribution of PFOS in biota	
5/26/99 (6/7/99)	8EHQ-0699-373 (Follow-up on: 8EHQ-1180-373; 8EHQ-1180-374; 8EHQ-0381-0394; 8EHQ-0598-373)	Sulfonate-based fluorochemicals Carboxylic-based fluorochemicals	Summary of further studies regarding the presence of perfluorinated sulfonates and perfluorinated carboxylic acids in human sera	1. Chart: Sulfonate-based Fluorochemicals identified in Human Sera 2. Chart: Carboxylic acid-based Fluorochemicals identified in Human Sera
5/28/99 (06/04/99)	8EHQ-0699-373 (Follow-up on: 8EHQ-1180-0373 8EHQ-1180-0374 8EHQ-0381-0394)	sulfonyl-based fluorochemicals	Information regarding the manufacture, use, distribution and environmental release of FCs	Fluorochemical Use, Distribution and Release Overview (Prepared by 3M 5/26/99)
2/15/00 (02/22/00)	8EHQ-0200-0373 (Follow-up on: 8EHQ-0998-373; 8EHQ-0998-374; 8EHQ-0998-394)	N-Ethyl Perfluorooctyl Sulfonamido Ethanol (N-EtFOSE) Perfluorooctane Sulfonate (PFOS)	Final reports for the two-generation rat reproduction studies	1. Final Report, Protocol 418-009, Combined Oral (Gavage) Fertility, Developmental and Perinatal/Postnatal Reproduction Toxicity Study of N-EtFOSE in Rats, Study No. 6316.5, 6/30/99 2. Final Report, Protocol 418-014, Oral

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
				(Gavage) Cross-Fostering Study of PFOS in Rats, Study No. T-6295.13, 7/23/99 3. Final Report, Protocol 418-008, Combined Oral (Gavage) Fertility, Developmental and Perinatal/Postnatal Reproduction Toxicity Study of PFOS in Rats, Study No. 6295.9, 6/10/99 1. "Sulfonated Perfluorochemicals in the Environment: Sources, Dispersion, Fate and Effects," 3M, 03/01/00
3/17/00 (3/20/00)	8EHQ-0300-0373 (Follow-up on: 8EHQ-1180-0373; 8EHQ-1180-0374)	Sulfonate-based Fluorochemicals	Information on environmental fate and effects	
3/17/00 (3/20/00)	8EHQ-0300-00373 (Follow-up on: 8EHQ-1180-0373; 8EHQ-1180-0374)	Perfluoroalkyls	Response to EPA letter of 02/25/00	

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3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-394 SORTED by SUBMITTAL DATE**

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
3/20/81 (3/27/81)	8EHQ-0381-0394S	Perfluoroalkane carboxylic acids Corresponding ammonium carboxylates	Preliminary information from 3M report entitled "Oral Rangefinder Study of T-2998CoC in Pregnant Rats"	1. Additional letter stating report has CBI material, 3/20/81 2. Oral Rangefinder Study of T-2998CoC in Pregnant Rats, 2/24/81 3. Status Report re subject chemical, 4/27/81
05/06/81	(Follow-up on 8EHQ-0381- 0394C]	Perfluoroalkane carboxylic acids Corresponding ammonium carboxylates	Response to 04/07/81 EPA letter requesting substantiation of confidentiality claims	
6/16/81 (6/25/81)	8EHQ-0681-0394S	FC-143 (Perfluoroalkane ammonium carboxylate mixture)	Response to letter of 5/15/81 from EPA, which included request for additional information on 3M's TCSA § 8(e) submission for perfluoroalkane ammonium carboxylate mixture.	1. Protocol for Oral Teratology Study of T2998CoC (FC-143) in Rats, 4/81
3/22/82 (3/24/82)	8EHQ-0382-0394	FC-143 (Ammonium Perfluorooctanoate)	Sanitized (non-CBI) copies of studies provided at meeting with Terry O'Bryan on 3/12/82 at EPA	1. An Assay of Cell Transformation and Cytotoxicity in C3H 10T 1/2 Clonal Cell Line for the test chemical T-2942 CoC, 3/4/81 2. Oral Teratology Study of T-3141CoC in Rabbits, 2/23/82 3. Oral Teratology Study of T-2998CoC in Rats, 4/81 4. Ninety Day Subacute Rat Toxicity Study, FC- 143, 11/6/78 5. Ninety Day Subacute Rhesus Monkey Toxicity Study, FC-143, 11/10/78
10/16/87	(Follow-up on 8EHQ-0381- 0394S)	FC-143 (Ammonium Perfluorooctanoate)	Information on toxicity/carcinogenicity	1. "Two Year Oral (Diet) Toxicity/Carcinogenicity Study of Fluorochemical FC-143 in Rats"
10/23/87	(Follow-up on 8EHQ-0381- 0394S)	FC-143 (Ammonium Perfluorooctanoate)	Confirms telephone conversations regarding prior submission with pages erroneously stamped as confidential	
10/11/93 (10/20/93)	8EHQ-1093-0394S	Mixture of Ammonium Perfluorooctanoate Ammonium Perfluoroheptanoate Ammonium Perfluorohexanoate	Toxicity/Carcinogenicity Study	1. Table 1 - Tumor Incidence Values, 10/93 2. Table 2 - Summary of Hyperplasia/Neoplasia Lesion Incidence in the Liver, Pancreas and Testis, 10/93

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DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
		Ammonium Perfluoropentanoate (or Ammonium Perfluoroalkyl carboxylates)		
5/15/98 (5/21/98)	8EHQ-0598-0373 (Follow-up on: 8EHQ-1180-0373 8EHQ-1180-0374 8EHQ-0381-0394)	Perfluorooctane Sulfonate (PFOS)	Submission of information relating to analysis of blood sera samples "showing PFOS at very low (i.e., parts per billion ("ppb")) levels"	
9/14/98 (9/18/98)	8EHQ-0998-0373 (Follow-up on: 8EHQ-1180-0373 8EHQ-1180-0374 8EHQ-0381-0394)	N-ethyl perfluorooctyl sulfonamido ethanol (N-EtFOSE) Perfluorooctane Sulfonate (PFOS)	Preliminary results of two-generation rat reproduction studies on the subject chemicals; provides summary of preliminary findings.	
5/26/99 (6/4/99)	8EHQ-0699-373 (Follow-up on: 8EHQ-1180-373; 8EHQ-1180-374; 8EHQ-0381-0394; 8EHQ-0598-373)	Sulfonyl-based fluorochemicals	Summary of initial screening data regarding the distribution of PFOS in biota	
5/26/99 (6/7/99)	8EHQ-0699-373 (Follow-up on: 8EHQ-1180-373; 8EHQ-1180-374; 8EHQ-0381-0394; 8EHQ-0598-373)	Sulfonate-based fluorochemicals Carboxylic-based fluorochemicals	Summary of further studies regarding human sera	1. Chart: Sulfonate-based Fluorochemicals identified in Human Sera 2. Chart: Carboxylic acid-based Fluorochemicals identified in Human Sera
5/28/99 (06/04/99)	8EHQ-0699-373 (Follow-up on: 8EHQ-1180-0373 8EHQ-1180-0374 8EHQ-0381-0394)	Sulfonyl-based fluorochemicals	Information regarding the manufacture, use, distribution and environmental release of FCs	"Fluorochemical Use, Distribution and Release Overview" (and attachments), Prepared by 3M 5/26/99
2/15/00 (02/22/00)	8EHQ-0200-0373 (Follow-up on: 8EHQ-0998-373; 8EHQ-0998-374; 8EHQ-0998-394)	N-Ethyl Perfluorooctyl Sulfonamido Ethanol (N-EtFOSE) Perfluorooctane Sulfonate (PFOS)	Final reports for the two-generation rat reproduction studies	1. Final Report, Protocol 418-009, Combined Oral (Gavage) Fertility, Developmental and Perinatal/Postnatal Reproduction Toxicity Study of N-EtFOSE in Rats, Study No. 6316.5, 6/30/99 2. Final Report, Protocol 418-014, Oral (Gavage) Cross-Fostering Study of PFOS in Rats, Study

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DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
				No. T-6295.13, 7/23/99 3. Final Report, Protocol 418-008, Combined Oral (Gavage) Fertility, Developmental and Perinatal/Postnatal Reproduction Toxicity Study of PFOS in Rats, Study No. 6295.9, 6/10/99

004642

3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-6006 SORTED by SUBMITTAL DATE**

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
7/27/92 (7/29/92)	8EHQ-0792-6006	Pyrolysis vapor of 25% CaCO3 and 75% of the following: 63% N-(2-hydroxyethyl)-N-methyl-perfluorooctane sulfonamide, 3% CAS #68555-76-0, 4% CAS #68555-75-9, 1% CAS 68555-74-8, and, 4% CAS #34454-97-2	Inhalation toxicity data in rats	1. An Acute Inhalation Toxicity Study of T-2108 CoC in the Rat, 2/5/82
7/27/92 (1/12/94)	8EHQ-0792-6006A		Summary of "Study Design and Results: Acute Inhalation Toxicity Study in Rats (Final Report)"	

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3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-6012 SORTED by SUBMITTAL DATE**

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
7/27/92 (7/29/92)	8EHQ-0792-6012	99% 1-octane sulfonamide 1,1,2,2,3,3,4,4,5,5,6,6,7, 7,8,8,8-heptadecafluoro N-methyl 1% water	Oral toxicity, dermal irritation, eye irritation data	1. Acute Oral Toxicity - Method, Summary, Pathology; Primary Dermal Irritation - Method, Summary; Primary Eye Irritation - Method, Summary; Sample T-3727, 5/7/85

004644

3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-6015 SORTED by SUBMITTAL DATE**

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
7/27/92 (7/29/92)	8EHQ-0792-6015	R&D sample with 0.23% fluoropolymer, 0.025% sulfonamides, C4-8-alkane, perfluoro, N-ethyl-n-(hydroxyethyl), reaction products with 1,1'-methylenebis[4-isocyanatobenzene], and solvent mixture	Acute inhalation toxicity data	1. An Acute Inhalation Toxicity Study of T-3809 in the Rat, 7/11/86
7/27/92 (1/12/94)	8EHQ-0792-6015A	R&D sample with 0.23% fluoropolymer, 0.025% sulfonamides, C4-8-alkane, perfluoro, N-ethyl-n-(hydroxyethyl), reaction products with 1,1'-methylenebis[4-isocyanatobenzene], and solvent mixture	Summary of "Study Design and Results: Acute Inhalation Toxicity Study with Rats (Final Report)"	

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3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-6016 SORTED by SUBMITTAL DATE**

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
7/27/92 (7/29/92)	8EHQ-0792-6016	68% Poly(oxy-1,2-ethanediyl), a-[2-ethyl (heptadecafluorooctyl)sulfonyl amino] ethyl] -w-hydroxy- 3% poly(oxy-1,2-ethanediyl), a-[2-ethyl (pentadecafluoroheptyl) sulfonyl] amino] ethyl] -w-hydroxy- 5% poly(oxy-1,2-ethanediyl), a-[2-ethyl(tridecafluorohexyl) sulfonyl] amino] ethyl] -w-hydroxy- 1% poly(oxy-1,2-ethanediyl), a-[2-ethyl (undecafluoropentyl) sulfonyl] amino] ethyl] -w-hydroxy- 4% poly(oxy-1,2-ethanediyl), a-[2-ethyl (nonafluorobutyl) sulfonyl] amino] ethyl] -w-hydroxy- 12% poloyoxyethylene glycol <0.3% dioxane	Submittal of acute studies	1. Acute Dermal Toxicity Study with T-3448 in Albino Rabbits, 01/27/84 2. Acute Dermal Toxicity Study in Rabbits, Sample T-4370, 12/06/89 3. Primary Skin Irritation Test with T-3448 in Albino Rabbits, 12/22/83 4. Acute Dermal toxicity Study with T-3448 in Albino Guinea Pigs, 03/15/84 5. Acute Dermal Toxicity (LD ₅₀) in Rabbits (sample T-3639), 09/19/84 6. Acute Dermal Toxicity Study in Rabbits (sample T-3649), 10/17/84 7. Memo on FC-170C Toxicity re oral report of guinea pig and rabbit dermal LD ₅₀ from customer study, 08/17/83
7/27/92 (1/12/94)	8EHQ-0792-6016A	↓ Surfactant or coating component <0.3% dioxane	Summary of study designs and results for acute toxicity reports	

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3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-6018 SORTED by SUBMITTAL DATE**

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
7/27/92 (7/29/92)	8EHQ-0792-6018	1-octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-comp. with 2,2'-iminobis [ethanol] (1:1)	Acute oral toxicity data	1. Acute Oral Toxicity - Rats, Sample T-2185, 9/25/78 2. Acute Oral Toxicity - Rats, Sample T-2275, 7/12/78

004647

3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-6019 SORTED by SUBMITTAL DATE**

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
7/27/92 (7/29/92)	8EHQ-0792-6019	Average C8F17S03-K, potassium perfluoroalkyl sulfonate	Acute inhalation toxicity data	1. An Acute Inhalation Toxicity Study of T-2306 CoC in the Rat, 12/31/79

004648

3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-6023 SORTED by SUBMITTAL DATE**

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
7/27/92 (7/29/92)	8EHQ-0792-6023	Ammonium perfluorooctanoate	Acute oral toxicity data	1. Acute Oral Toxicity Study in Rats, Sample T-3974 Lot 39C, 2/5/87

004649

3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-8624 SORTED by SUBMITTAL DATE**

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DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
11/30/92 (12/7/92)	8EHQ-1192-8624	Lithium perfluorooctane sulfonate	Acute oral and inhalation toxicity data in rats	1. Lithium Perfluorooctane Sulfonate: Acute Peroral Toxicity Study in the Rat #91N0016, 6/23/92 2. Project No. 91-8379, An Acute Inhalation Study of Lithium Perfluorooctane Sulfonate in the Rat, Final Report, 5/26/92
12/29/92 (1/5/93)	8EHQ-1292-8624S	Supplemental information on Lithium perfluorooctane sulfonate	Toxicity and teratology studies in rats and rabbits	1. Report Summary of 2-Week Peroral (gavage) Minimum Toxicity Screen (MTS) in Albino Rats 2. Summary letter on range-finding and definitive teratology study - rats 3. Summary letter on range-finding and definitive teratology study - rabbits 4. Summary of range-finder for 90-day feeding study

3M's TSCA 8(e) FLUOROCHEMICAL SUBMISSIONS
Docket 8EHQ-**-14596 SORTED by SUBMITTAL DATE**

004651

DATE SUBMITTED (Date Logged As Received By EPA)	EPA REFERENCE NUMBER	CHEMICAL SUBSTANCE/ PRODUCT	SUMMARY OF SUBMISSION	ENCLOSURES
11/19/99 (11/23/99)	8EHQ-1199-14596	Ammonium Perfluorooctanoate	Summary of 6-month primate feeding study	
01/28/00 (02/08/00)	8EHQ-0200-14596	Perfluorooctanoate	Response to EPA request for description and results of 3M medical surveillance program	1. Gilliland FD, Mandel JS. Mortality among employees of a perfluorooctanoic acid production plant. J Occup Med 1993;35:950-954. 2. Gilliland FD, Mandel JS. Serum perfluorooctanoic acid and hepatic enzymes, lipoproteins, and cholesterol: a study of occupationally exposed men. Am J Ind Med 1996;29:560-568. 3. Olsen GW, Gilliland FD, Burlew MM, Burris JM, Mandel JS, Mandel JH. An epidemiologic investigation of reproductive hormones in men with occupational exposure to perfluorooctanoic acid. J Occup Env Med 1998;40:614-622. 4. Olsen GW, Burris JM, Burlew MM, Mandel JH. 3M Final Report: An epidemiologic investigation of plasma cholecystokinin, hepatic function and serum perfluorooctanoic acid levels in production workers. St. Paul;3M Company.