

EPEAT 4722 Public Disclosure of Supply Chain Toxics 2025

The information below shows supply chain toxics reflecting the whole enterprise or the individual manufacturing sites relevant to Display, Motor, Integrated circuit/semiconductor

Sampling Product: Apees C7070/C6570/C5570/C4570/C3570/C3070

The calculation and protocols used were the Japanese Pollutant Release and Transfer Register (PRTR). according to the information at <http://www.env.go.jp/en/chemi/prtr/about/index.html>

										(t/year)
Supplier 1										
PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		Air	Water	Land	Sewage	Waste	Product	Recycled	
141-43-5	2-aminoethanol	1.157	0.00	0.00	0.00	0.00	430	0.00	727	0.00
149-30-4	2-mercaptobenzothiazole	1.85	0.00	0.00	0.00	0.00	0.28	0.00	1.56	0.00
7440-02-0	nickel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151-21-3	sodium dodecyl sulfate	0.20	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
141-43-5	2-aminoethanol	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
141-43-5	2-aminoethanol	0.20	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
80-62-6	methyl methacrylate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108-88-3	toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100-41-4	ethylbenzene	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
128-37-0	2,6-di-tert-butyl-4-cresol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1330-20-7	xylene	0.20	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00

										(t/year)
Motor										
Supplier 2										
PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		Air	Water	Land	Sewage	Waste	Product	Recycled	
100-41-4	ethylbenzene	3.68	3.50	0.00	0.00	0.00	0.18	0.00	0.00	0.00
109-86-4	ethylene glycol monomethyl ether	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1330-20-7	xylene	10.60	10.17	0.00	0.00	0.00	0.43	0.00	0.00	0.00
75-09-2	dichloromethane; methylene dichloride	2.02	2.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
100-42-5	styrene	14.33	14.19	0.00	0.00	0.00	0.14	0.00	0.00	0.00
95-63-6	1,2,4-trimethylbenzene	2.30	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108-88-3	toluene	45.28	43.14	0.00	0.00	0.00	2.14	0.00	0.00	0.00
106-94-5	1-bromopropane	1.77	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1321-94-4	methylnaphthalene	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108-10-1	Methyl isobutyl ketone	1.19	1.13	0.00	0.00	0.00	0.06	0.00	0.00	0.00
111-42-2	2,2'-iminodiethanol	2.00	1.90	0.00	0.00	0.00	0.10	0.00	0.00	0.00

										(t/year)
Supplier 3										
PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		Air	Water	Land	Sewage	Waste	Product	Recycled	
141-43-5	2-aminoethanol	3.51	0.00	0.00	0.00	0.00	3.51	0.00	0.00	0.00
100-41-4	ethylbenzene	11.58	11.11	0.00	0.00	0.00	0.47	0.00	0.00	0.00
1330-20-7	xylene	16.26	12.58	0.00	0.00	0.00	3.68	0.00	0.00	0.00
127-19-5	N,N-dimethylacetamide	23.78	7.46	0.00	0.00	0.00	16.32	0.00	0.00	0.00
108-88-3	toluene	32.17	31.07	0.00	0.00	0.00	1.10	0.00	0.00	0.00
7803-57-8	Hydrazine Monohydrate	2.16	0.03	0.00	0.00	0.00	1.54	0.00	0.00	0.59
120-80-9	pyrocatechol	1.74	0.00	0.00	0.00	0.00	1.74	0.00	0.00	0.00
108-95-2	phenol	3.07	0.13	0.00	0.00	0.00	2.94	0.00	0.00	0.00
-	hydrogen fluoride and its water-soluble salts	49.62	0.23	0.15	0.00	0.97	2.31	0.00	0.00	45.96
1321-94-4	methylnaphthalene	4.65	0.12	0.00	0.00	0.00	2.47	0.00	0.00	2.06
101-68-8	Methylenebis(4,1-phenylene) diisocyanate	2.05	0.00	0.00	0.00	0.00	0.19	1.86	0.00	0.00
75-59-2	Tetramethylammonium Hydroxide	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.49
25551-13-7	Benzene, trimethyl-	9.52	3.39	0.00	0.00	0.00	5.98	0.15	0.00	0.00
1314-41-6	Lead (II,IV) Oxide	32.60	0.00	0.00	0.00	0.00	1.14	31.45	0.00	0.01
142-82-5	Heptane	3.63	2.05	0.00	0.00	0.00	1.58	0.00	0.00	0.00
108-10-1	Methyl isobutyl ketone	2.79	2.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
872-50-4	1-Methyl-2-pyrrolidone	4.48	0.24	0.00	0.00	0.00	4.23	0.00	0.00	0.01

										(t/year)
IC/Semiconductor										
Supplier 3										
PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		Air	Water	Land	Sewage	Waste	Product	Recycled	
141-43-5	2-aminoethanol	3.51	0.00	0.00	0.00	0.00	3.51	0.00	0.00	0.00
100-41-4	ethylbenzene	11.58	11.11	0.00	0.00	0.00	0.47	0.00	0.00	0.00
1330-20-7	xylene	16.26	12.58	0.00	0.00	0.00	3.68	0.00	0.00	0.00
127-19-5	N,N-dimethylacetamide	23.78	7.46	0.00	0.00	0.00	16.32	0.00	0.00	0.00
108-88-3	toluene	32.17	31.07	0.00	0.00	0.00	1.10	0.00	0.00	0.00
7803-57-8	Hydrazine Monohydrate	2.16	0.03	0.00	0.00	0.00	1.54	0.00	0.00	0.59
120-80-9	pyrocatechol	1.74	0.00	0.00	0.00	0.00	1.74	0.00	0.00	0.00
108-95-2	phenol	3.07	0.13	0.00	0.00	0.00	2.94	0.00	0.00	0.00
-	hydrogen fluoride and its water-soluble salts	49.62	0.23	0.15	0.00	0.97	2.31	0.00	0.00	45.96
1321-94-4	methylnaphthalene	4.65	0.12	0.00	0.00	0.00	2.47	0.00	0.00	2.06
101-68-8	Methylenebis(4,1-phenylene) diisocyanate	2.05	0.00	0.00	0.00	0.00	0.19	1.86	0.00	0.00
75-59-2	Tetramethylammonium Hydroxide	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.49
25551-13-7	Benzene, trimethyl-	9.52	3.39	0.00	0.00	0.00	5.98	0.15	0.00	0.00
1314-41-6	Lead (II,IV) Oxide	32.60	0.00	0.00	0.00	0.00	1.14	31.45	0.00	0.01
142-82-5	Heptane	3.63	2.05	0.00	0.00	0.00	1.58	0.00	0.00	0.00
108-10-1	Methyl isobutyl ketone	2.79	2.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
872-50-4	1-Methyl-2-pyrrolidone	4.48	0.24	0.00	0.00	0.00	4.23	0.00	0.00	0.01

										(t/year)
Supplier 4										
PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		Air	Water	Land	Sewage	Waste	Product	Recycled	
-	arsenic and its inorganic compounds	0.84	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
-	hydrogen fluoride and its water-soluble salts	11.05	0.18	0.00	0.00	0.38	0.00	0.00	0.00	0.00
112-34-5	Diethylene Glycol Monobutyl Ether	1.01	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
75-59-2	Tetramethylammonium Hydroxide	3.79	0.00	0.00	0.00	3.79	0.00	0.00	0.00	0.00
872-50-4	1-Methyl-2-pyrrolidone	9.00	0.00	0.00	0.00	8.89	0.11	0.00	0.00	0.00
111-77-3	2-(2-Methoxyethoxy)ethanol	3.40	0.00	0.00	0.00	3.40	0.00	0.00	0.00	0.00

										(t/year)
Supplier 5										
PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		Air	Water	Land	Sewage	Waste	Product	Recycled	
-	hydrogen fluoride and its water-soluble salts	594.00	2.00	24.00	0.00	1.00	40.00	0.00	360.00	167.00
75-59-2	Tetramethylammonium hydroxide	117.00	0.00	0.00	0.00	3.00	0.00	0.00	114.00	0.00
68-12-2	N,N-dimethylformamide	54.00	0.00	0.00	0.00	0.00	15.00	0.00	40.00	0.00
141-43-5	2-aminoethanol	34.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	29.00
872-50-4	1-Methyl-2-pyrrolidone	26.00	1.00	0.00	0.00	0.00	14.00	0.00	1.00	10.00
1330-20-7	xylene	20.00	2.00	0.00	0.00	0.00	6.00	5.00	3.00	4.00

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Sampling Product: **Apeos C7070/C6570/C5570/C4570/C3570/C3070**

The calculation and protocols used were the Japanese Pollutant Release and Transfer Register (PRTR), according to the information at <http://www.env.go.jp/en/chemi/prtr/about/index.html>

Display											(t/year)
Supplier 1											
PRTR Chemical											
CAS No.	Name	Handled	Releases		Transfer			Consumption		Removal	
			Air	Water	Land	Sewage	Waste	Product	Recycled		
141-43-5	2-aminoethanol	1,348.00	0.00	0.00	0.00	0.00	979.00	0.00	369.00	0.00	
149-30-4	2-mercaptobenzothiazole	1.65	0.00	0.00	0.00	0.00	0.48	0.00	1.17	0.00	
7440-02-0	nickel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
151-21-3	sodium dodecyl sulfate	0.50	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	
141-43-5	2-aminoethanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
141-43-5	2-aminoethanol	0.20	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	
80-62-6	methyl methacrylate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Motor											(t/year)
Supplier 2											
PRTR Chemical											
CAS No.	Name	Handled	Releases		Transfer			Consumption		Removal	
			Air	Water	Land	Sewage	Waste	Product	Recycled		
100-41-4	ethylbenzene	3.89	3.50	0.00	0.00	0.00	0.39	0.00	0.00	0.00	
109-86-4	ethylene glycol monomethyl ether	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1330-20-7	xylene	10.56	9.55	0.00	0.00	0.00	1.01	0.00	0.00	0.00	
75-09-2	dichloromethane; methylene dichloride	1.82	1.80	0.00	0.00	0.00	0.02	0.00	0.00	0.00	
100-42-5	styrene	13.33	13.19	0.00	0.00	0.00	0.14	0.00	0.00	0.00	
95-63-6	1,2,4-trimethylbenzene	2.60	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
108-88-3	toluene	52.33	49.40	0.00	0.00	0.00	2.93	0.00	0.00	0.00	
106-94-5	1-bromopropane	1.64	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1321-94-4	methylnaphthalene	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
108-10-1	Methyl isobutyl ketone	1.09	1.03	0.00	0.00	0.00	0.07	0.00	0.00	0.00	
111-42-2	2,2'-Iminodiethanol	1.90	0.00	0.00	0.00	0.00	1.90	0.00	0.00	0.00	

Supplier 3											(t/year)
PRTR Chemical											
CAS No.	Name	Handled	Releases		Transfer			Consumption		Removal	
			Air	Water	Land	Sewage	Waste	Product	Recycled		
141-43-5	2-aminoethanol	28.21	0.00	0.00	0.00	0.00	28.21	0.00	0.00	0.00	
100-41-4	ethylbenzene	4.51	4.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1330-20-7	xylene	8.39	5.59	0.00	0.00	0.00	2.80	0.00	0.00	0.00	
127-19-5	N,N-dimethylacetamide	2.56	0.10	0.00	0.00	0.00	2.46	0.00	0.00	0.00	
68-12-2	N,N-Dimethylformamide	21.77	6.47	0.00	0.00	0.00	15.30	0.00	0.00	0.00	
108-88-3	toluene	10.67	10.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7803-57-8	Hydrazine Monohydrate	2.16	0.03	0.00	0.00	0.00	1.53	0.60	0.00	0.00	
120-80-9	pyrocatechol	1.48	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00	
108-95-2	phenol	3.58	0.18	0.00	0.00	0.00	3.40	0.00	0.00	0.00	
-	hydrogen fluoride and its water-soluble salts	59.43	0.24	0.58	0.00	1.22	6.56	0.00	0.00	50.83	
1321-94-4	methylnaphthalene	4.97	0.15	0.00	0.00	0.00	2.99	1.83	0.00	0.00	
25551-13-7	Benzene, trimethyl-	8.08	2.70	0.00	0.00	0.00	5.38	0.00	0.00	0.00	
1314-41-6	Lead (II,IV) Oxide	41.18	0.00	0.00	0.00	0.00	0.68	40.50	0.00	0.00	
142-82-5	Heptane	2.65	1.38	0.00	0.00	0.00	1.27	0.00	0.00	0.00	
108-10-1	Methyl isobutyl ketone	3.06	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
872-50-4	1-Methyl-2-pyrrolidone	1.60	0.07	0.00	0.00	0.00	1.53	0.00	0.00	0.00	

IC/Semiconductor											(t/year)
Supplier 3											
PRTR Chemical											
CAS No.	Name	Handled	Releases		Transfer			Consumption		Removal	
			Air	Water	Land	Sewage	Waste	Product	Recycled		
141-43-5	2-aminoethanol	28.21	0.00	0.00	0.00	0.00	28.21	0.00	0.00	0.00	
100-41-4	ethylbenzene	4.51	4.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1330-20-7	xylene	8.39	5.59	0.00	0.00	0.00	2.80	0.00	0.00	0.00	
127-19-5	N,N-dimethylacetamide	2.56	0.10	0.00	0.00	0.00	2.46	0.00	0.00	0.00	
68-12-2	N,N-Dimethylformamide	21.77	6.47	0.00	0.00	0.00	15.30	0.00	0.00	0.00	
108-88-3	toluene	10.67	10.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7803-57-8	Hydrazine Monohydrate	2.16	0.03	0.00	0.00	0.00	1.53	0.60	0.00	0.00	
120-80-9	pyrocatechol	1.48	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00	
108-95-2	phenol	3.58	0.18	0.00	0.00	0.00	3.40	0.00	0.00	0.00	
-	hydrogen fluoride and its water-soluble salts	59.43	0.24	0.58	0.00	1.22	6.56	0.00	0.00	50.83	
1321-94-4	methylnaphthalene	4.97	0.15	0.00	0.00	0.00	2.99	1.83	0.00	0.00	
25551-13-7	Benzene, trimethyl-	8.08	2.70	0.00	0.00	0.00	5.38	0.00	0.00	0.00	
1314-41-6	Lead (II,IV) Oxide	41.18	0.00	0.00	0.00	0.00	0.68	40.50	0.00	0.00	
142-82-5	Heptane	2.65	1.38	0.00	0.00	0.00	1.27	0.00	0.00	0.00	
108-10-1	Methyl isobutyl ketone	3.06	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
872-50-4	1-Methyl-2-pyrrolidone	1.60	0.07	0.00	0.00	0.00	1.53	0.00	0.00	0.00	

Supplier 4											(t/year)
PRTR Chemical											
CAS No.	Name	Handled	Releases		Transfer			Consumption		Removal	
			Air	Water	Land	Sewage	Waste	Product	Recycled		
-	arsenic and its inorganic compounds	0.79	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	
-	hydrogen fluoride and its water-soluble salts	10.31	0.07	0.00	0.00	0.34	0.00	0.00	0.00	0.00	
112-34-5	Diethylene Glycol Monobutyl Ether	1.03	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	
75-59-2	Tetramethylammonium Hydroxide	3.09	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	
872-50-4	N-Methyl-2-pyrrolidone	3.54	0.00	0.00	0.00	3.46	0.07	0.00	0.00	0.00	
111-77-3	2-(2-Methoxyethoxy)ethanol	3.03	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	

Supplier 5											(t/year)
PRTR Chemical											
CAS No.	Name	Handled	Releases		Transfer			Consumption		Removal	
			Air	Water	Land	Sewage	Waste	Product	Recycled		
-	hydrogen fluoride and its water-soluble salts	614.00	2.00	27.00	0.00	1.00	39.00	0.00	387.00	159.00	
75-59-2	Tetramethylammonium hydroxide	127.00	0.00	0.00	0.00	3.00	0.00	0.00	124.00	0.00	
68-12-2	N,N-dimethylformamide	54.00	0.00	0.00	0.00	0.00	15.00	0.00	39.00	0.00	
872-50-4	1-Methyl-2-pyrrolidone	27.00	1.00	0.00	0.00	0.00	14.00	0.00	1.00	11.00	
141-43-5	2-aminoethanol	35.00	0.00	0.00	0.00	0.00	5.00	0.00	30.00	0.00	
1330-20-7	xylene	23.00	1.00	0.00	0.00	0.00	5.00	8.00	6.00	3.00	