

EPEAT 4722 Public Disclosure of Supply Chain Toxics 2024

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: **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										
Supplier 1										
(t/year)										
PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		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	0.002	0.00	0.00	0.00	0.00	0.00	0.002	0.00	0.00
151-21-3	sodium dodecyl sulfate	0.50	0.00	0.00	0.00	0.500	0.00	0.00	0.00	0.00
141-43-5	2-aminoethanol	0.0005	0.00	0.00	0.00	0.0005	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	0.0003	0.00	0.00	0.00	0.00	0.00	0.0003	0.00	0.00

Motor										
Supplier 2										
(t/year)										
PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		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
108-05-4	Vinyl acetate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Supplier 3										
(t/year)										
PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		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										
Supplier 3										
(t/year)										
PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		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		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		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		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		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

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Display

Supplier 1

PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		Air	Water	Land	Sewage	Waste	Product	Recycled	
141-43-5	2-aminoethanol	1,198.88	0.00	0.00	0.00	0.00	875.37	0.00	323.51	0.00
149-30-4	2-mercaptobenzothiazole	4.14	0.00	0.00	0.00	0.00	4.14	0.00	0.00	0.00
7440-02-0	nickel	0.0003	0.00	0.00	0.00	0.00	0.00	0.0003	0.00	0.00
151-21-3	sodium dodecyl sulfate	0.52	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00
141-43-5	2-aminoethanol	0.0005	0.00	0.00	0.00	0.0005	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	0.0002	0.00	0.00	0.00	0.00	0.00	0.0002	0.00	0.00
128-37-0	2,6-di-tert-butyl-4-cresol	1.23	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00

Motor

Supplier 2

PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		Air	Water	Land	Sewage	Waste	Product	Recycled	
100-41-4	ethylbenzene	6.62	6.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00
109-86-4	ethylene glycol monomethyl ether	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1330-20-7	xylene	14.86	13.28	0.00	0.00	0.00	1.58	0.00	0.00	0.00
75-09-2	dichloromethane; methylene dichloride	1.92	1.90	0.00	0.00	0.00	0.02	0.00	0.00	0.00
100-42-5	styrene	14.31	14.17	0.00	0.00	0.00	0.14	0.00	0.00	0.00
95-63-6	1,2,4-trimethylbenzene	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108-88-3	toluene	62.36	58.94	0.00	0.00	0.00	3.42	0.00	0.00	0.00
106-94-5	1-bromopropane	1.62	1.62	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	2.44	2.33	0.00	0.00	0.00	0.11	0.00	0.00	0.00
111-42-2	2,2'-Iminodiethanol	1.70	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00

Supplier 3

PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		Air	Water	Land	Sewage	Waste	Product	Recycled	
141-43-5	2-aminoethanol	2.90	0.00	0.00	0.00	0.00	2.90	0.00	0.00	0.00
100-41-4	ethylbenzene	3.91	3.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1330-20-7	xylene	4.96	3.77	0.00	0.00	0.00	1.19	0.00	0.00	0.00
127-19-5	N,N-dimethylacetamide	2.94	0.12	0.00	0.00	0.00	2.82	0.00	0.00	0.00
108-88-3	toluene	9.42	9.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120-80-9	pyrocatechol	1.61	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00
108-95-2	phenol	1.35	0.05	0.00	0.00	0.00	1.30	0.00	0.00	30.83
	-hydrogen fluoride and its water-soluble salts	38.69	0.25	0.49	0.00	1.32	5.80	0.00	0.00	0.00
1321-94-4	methylnaphthalene	3.23	0.06	0.00	0.00	0.00	3.17	0.00	0.00	0.00
25551-13-7	Benzene, trimethyl-	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108-10-1	Methyl isobutyl ketone	2.95	2.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
872-50-4	1-Methyl-2-pyrrolidone	1.78	0.07	0.00	0.00	0.00	1.71	0.00	0.00	0.00

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	2.90	0.00	0.00	0.00	0.00	2.90	0.00	0.00	0.00
100-41-4	ethylbenzene	3.91	3.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1330-20-7	xylene	4.96	3.77	0.00	0.00	0.00	1.19	0.00	0.00	0.00
127-19-5	N,N-dimethylacetamide	2.94	0.12	0.00	0.00	0.00	2.82	0.00	0.00	0.00
108-88-3	toluene	9.42	9.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120-80-9	pyrocatechol	1.61	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00
108-95-2	phenol	1.35	0.05	0.00	0.00	0.00	1.30	0.00	0.00	30.83
	-hydrogen fluoride and its water-soluble salts	38.69	0.25	0.49	0.00	1.32	5.80	0.00	0.00	0.00
1321-94-4	methylnaphthalene	3.23	0.06	0.00	0.00	0.00	3.17	0.00	0.00	0.00
25551-13-7	Benzene, trimethyl-	1.71	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108-10-1	Methyl isobutyl ketone	2.95	2.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
872-50-4	1-Methyl-2-pyrrolidone	1.78	0.07	0.00	0.00	0.00	1.71	0.00	0.00	0.00

Supplier 4

PRTR Chemical		Handled	Releases		Transfer			Consumption		Removal
CAS No.	Name		Air	Water	Land	Sewage	Waste	Product	Recycled	
	-arsenic and its inorganic compounds	0.86	0.23	0.00	0.00	0.05	0.00	0.00	0.00	0.00
	-hydrogen fluoride and its water-soluble salts	10.35	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
75-59-2	Tetramethylammonium Hydroxide	3.37	0.00	0.00	0.00	0.00	3.37	0.00	0.00	0.00
872-50-4	N-Methyl-2-pyrrolidone	3.85	0.00	0.00	0.00	0.09	3.76	0.00	0.00	0.00
111-77-3	2-(2-Methoxyethoxy)ethanol	3.47	0.00	0.00	0.00	0.00	3.47	0.00	0.00	0.00

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	697.00	2.00	32.00	0.00	1.00	43.00	0.00	184.00	435.00
75-59-2	Tetramethylammonium hydroxide	154.00	0.00	8.00	0.00	3.00	20.00	0.00	0.00	123.00
68-12-2	N,N-dimethylformamide	59.00	0.00	0.00	0.00	0.00	13.00	0.00	0.00	46.00
872-50-4	1-Methyl-2-pyrrolidone	35.00	1.00	0.00	0.00	0.00	20.00	0.00	12.00	1.00
141-43-5	2-aminoethanol	34.00	0.00	0.00	0.00	0.00	6.00	0.00	28.00	0.00
1330-20-7	xylene	33.00	2.00	0.00	0.00	0.00	8.00	10.00	6.00	7.00
1321-94-4	Methylnaphthalene	20.00	0.00	0.00	0.00	0.00	6.00	12.00	0.00	3.00
108-67-8	1,3,5-trimethylbenzene	17.00	1.00	0.00	0.00	0.00	9.00	0.00	0.00	7.00
112-34-5	Diethylene glycol monobutyl ether	16.00	2.00	0.00	0.00	0.00	14.00	0.00	0.00	0.00
142-82-5	Heptane	13.00	2.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00
108-95-2	phenol	8.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00
100-41-4	ethylbenzene	5.00	1.00	0.00	0.00	0.00	3.00	0.00	1.00	0.00
120-80-9	pyrocatechol	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00
	-copper salts (water-soluble, except complex salts)	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
91-20-3	naphthalene	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
512-24-3	Cerium(3+) 2-hydroxypropane-1,2,3-tricarboxylate	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
7440-02-0	nickel	2.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
302-01-2	Hydrazine	2.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
	-Water-soluble salts of peroxodisulfuric acid	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
79-06-1	Acrylamide	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	-silver and its water-soluble compounds	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
107-15-3	Ethylenediamine	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00