

EPEAT 4722 Public Disclosure of Supply Chain Toxics 2015

The information below shows supply chain toxics reflecting the whole enterprise or the individual manufacturing sites relevant to Display, Lamp, and Semiconductor.

The calculation and protocols used were the Japanese Pollutant Release and Transfer Register (PRTR).
 More details can be found on : <http://www.env.go.jp/en/chemi/prtr/about/index.html>

Display

Supplier 1

PRTR Chemical	Handled	Releases			Transfer			Consumption		Removal
		Air	Water	Offsite	Sewage	Waste	Product	Recycled		
CAS No. Name										
141-43-5 2-aminoethanol	4321.91	0.58	0.19	0.00	0.00	0.00	6.95	0.00	2667.67	1646.52
- antimony and its compounds	2.10	0.00	0.00	0.00	0.00	0.00	0.03	1.55	0.52	0.00
- indium and its compounds	12.39	0.00	0.00	0.00	0.00	0.00	3.34	0.37	8.67	0.00
7705-08-0 ferric chloride	105.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.56	27.52
- silver and its water-soluble compounds	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.46	0.00
68-12-2 N,N-dimethylformamide	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31
- copper salts (water-soluble, except complex	5.49	0.00	0.00	0.00	0.00	0.00	5.48	0.00	0.00	0.01
- arsenic and its inorganic compounds	0.56	0.00	0.00	0.00	0.00	0.00	0.53	0.01	0.01	0.00
120-80-9 pyrocatechol	1.24	0.00	0.00	0.00	0.00	0.00	1.24	0.00	0.00	0.00
98-54-4 4-tert-butylphenol	0.94	0.02	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00
- hydrogen fluoride and its water-soluble salts	538.21	0.38	0.00	0.00	0.00	0.00	333.94	0.00	94.29	109.59
552-30-7 1,2,4-benzenetricarboxylic 1,2-anhydride	0.62	0.00	0.00	0.00	0.00	0.00	0.03	0.59	0.00	0.00
- boron compounds	1.32	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.13	0.00
- poly(oxyethylene)alkyl ether (alkyl C=12-15)	0.72	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.14
- manganese and its compounds	23.33	0.00	0.00	0.00	0.00	0.00	0.00	23.17	0.16	0.00
1321-94-4 methylnaphthalene	10.68	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.62
101-68-8 methylenebis(4,1-phenylene) diisocyanate	4178.84	0.00	0.00	0.00	0.00	0.00	19.18	4159.66	0.00	0.00
- molybdenum and its compounds	10.39	0.00	0.00	0.00	0.00	0.00	1.36	0.31	8.72	0.00
75-45-6 chlorodifluoromethane; HCFC-22	88.47	0.61	0.00	0.00	0.00	0.00	0.00	87.86	0.00	0.00
2451-62-9 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	2.87	0.00	0.00	0.00	0.00	0.00	0.03	1.89	0.95	0.00
108-88-3 toluene	3.02	3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117-81-7 bis(2-ethylhexyl) phthalate	14.06	0.00	0.00	0.00	0.00	0.00	9.56	0.00	4.50	0.00
106-94-5 1-bromopropane	1.88	0.00	0.00	0.00	0.00	0.00	0.02	0.94	0.93	0.00
110-54-3 n-hexane	1.19	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85-44-9 phthalic anhydride	1.92	0.00	0.00	0.00	0.00	0.00	0.02	1.26	0.64	0.00

Lamp

Supplier 2

PRTR Chemical	Handled	Releases			Transfer			Consumption		Removal
		Air	Water	Offsite	Sewage	Waste	Product	Recycled		
CAS No. Name										
100-41-4 Ethylbenzene	4.05	3.24	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00
1330-20-7 Xylene	4.74	3.60	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00
95-63-6 1,2,4-Trimethylbenzene	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108-88-3 Toluene	74.31	57.10	0.00	0.00	0.00	0.00	17.21	0.00	0.00	0.00

Supplier 3

PRTR Chemical	Handled	Releases			Transfer			Consumption		Removal
		Air	Water	Offsite	Sewage	Waste	Product	Recycled		
CAS No. Name										
100-41-4 Ethylbenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1330-20-7 Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95-63-6 1,2,4-Trimethylbenzene	0.00	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	0.00

Semiconductor

Supplier 4

PRTR Chemical	Handled	Releases			Transfer			Consumption		Removal
		Air	Water	Land	Sewage	Waste	Product	Recycled		
CAS No. Name										
141-43-5 2-aminoethanol	8.27	1.26	0.00	0.00	0.00	0.00	5.72	1.30	0.00	0.00
- antimony and its compounds	56.14	0.00	0.00	0.00	0.00	0.00	0.17	4.77	51.21	0.00
80-05-7 4,4'-isopropylidenediphenol; bisphenol A	10.37	0.00	0.00	0.00	0.00	0.00	1.56	8.81	0.00	0.00
100-41-4 ethylbenzene	8.38	3.62	0.00	0.00	0.00	0.00	0.00	0.00	4.76	0.00
110-80-5 ethylene glycol monoethyl ether	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00
109-86-4 ethylene glycol monomethyl ether	5.00	0.92	0.00	0.00	0.00	0.00	0.99	0.00	3.10	0.00
7705-08-0 ferric chloride	3.80	0.00	0.00	0.00	0.00	0.00	0.00	3.80	0.00	0.00
1330-20-7 xylene	20.64	2.43	0.00	0.00	0.00	0.00	0.00	0.00	18.21	0.00
- silver and its water-soluble compounds	33.43	0.00	0.15	0.00	0.00	0.00	0.07	9.64	23.57	0.00
112-24-3 triethylenetetramine	2.22	0.40	0.00	0.00	0.00	0.00	1.82	0.00	0.00	0.00
2451-62-9 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	13.09	0.00	0.00	0.00	0.00	0.00	10.41	2.68	0.00	0.00
108-67-8 1,3,5-trimethylbenzene	6.46	0.55	0.00	0.00	0.00	0.00	5.91	0.00	0.00	0.00
91-20-3 naphthalene	9.30	0.90	0.00	0.00	0.00	0.00	0.00	0.00	8.40	0.00
7439-92-1 lead	1.26	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.15	0.00
- lead compounds	12.13	0.00	0.00	0.00	0.00	0.00	2.54	2.87	6.72	0.00
7440-02-0 nickel	26.43	0.00	0.00	0.00	0.00	0.00	0.00	25.83	0.60	0.00
- nickel compounds	7.27	0.00	0.00	0.00	0.00	0.00	0.00	5.81	1.45	0.00
110-85-0 piperazine	1.42	0.00	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120-80-9 pyrocatechol	2.11	0.01	0.00	0.00	0.00	0.00	1.10	0.00	1.00	0.00
- hydrogen fluoride and its water-soluble salts	201.81	1.95	0.00	0.00	0.00	0.00	23.81	0.00	0.00	175.42
110-54-3 n-hexane	2.69	0.00	0.00	0.00	0.00	0.00	0.00	2.69	0.00	0.00
1321-94-4 methylnaphthalene	114.77	1.69	0.00	0.00	0.00	0.00	0.00	26.62	11.50	74.97

Supplier 5

PRTR Chemical	Handled	Releases			Transfer			Consumption		Removal
		Air	Water	Land	Sewage	Waste	Product	Recycled		
CAS No. Name										
108-88-3 Toluene	1.52	0.17	0.00	0.00	0.00	0.00	0.00	0.06	0.20	1.08
1330-20-7 Xylene	0.43	0.10	0.00	0.00	0.00	0.00	0.01	0.19	0.02	0.12
100-42-5 Styrene	6.31	0.08	0.00	0.00	0.00	0.00	0.00	5.44	0.10	0.68
- Manganese and its compounds	25.67	0.00	0.00	0.00	0.00	0.00	0.08	25.39	0.20	0.00
- Other	126.21	0.18	0.04	0.00	0.00	0.00	0.07	117.86	4.71	3.36

Supplier 6

PRTR Chemical	Handled	Releases			Transfer			Consumption		Removal
		Air	Water	Land	Sewage	Waste	Product	Recycled		
CAS No. Name										
1330-20-7 Xylene	1.71	0.07	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.00
108-95-2 phenol	1.31	0.05	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00
- hydrogen fluoride and its water-soluble salts	17.64	0.18	0.00	0.00	0.00	0.88	0.00	0.00	0.00	16.59
1321-94-4 methylnaphthalene	1.62	0.07	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00