

EPEAT4.7.2.2 Public disclosure of supply chain toxics

The following information comprises the toxic release data, listed in the Japanese Pollutant Release and Transfer Register (PRTR), from suppliers for the following parts/components contained within one EPEAT registered product:

- Integrated circuit/semiconductor
- Unpopulated printed circuit board
- Motor

Information, including calculations, of the substances included in this disclosure was gathered from the following website of Japanese Ministry of Economy, Trade and Industry

<https://www.meti.go.jp/press/2023/02/20240227001/20240227001.html>

(in Japanese)

and/or from supplier investigations.

2021 List of PRTR chemical substances

<Integrated circuit/semiconductor>

POTWs ;publically (publicly) owned treatment works

supplier 1

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
-	Antimony and its compounds	0	0	0	0	0	3,900
7705-08-0	Ferric chloride	0	0	0	0	0	0
-	Silver and its water-soluble compounds	0	0	0	0	0	0
127-19-5	N,N-dimethylacetamide	0	0	0	0	0	6,300
11070-44-3	tetrahydromethylphthalic anhydride	0	0	0	0	0	0
95-63-6	1,2,4-trimethylbenzene	46	0	0	0	0	1,600
7439-92-1	Lead	0	0	0	0	0	710
7440-02-0	Nickel	0	0	0	0	0	0
-	Hydrogen fluoride and its water-soluble salts	83	0	0	0	0	0

supplier 2

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
1330-20-7	Xylene	41	0	0	0	0	979
127-19-5	N,N-Dimethylacetamide	50	0	0	0	0	1,205
108-95-2	Phenol	52	0	0	0	0	1,238
-	Hydrogen fluoride and its water-soluble salts	214	0	0	0	1,069	0
1321-94-4	Methylnaphthalene	50	0	0	0	0	1,205

supplier 3

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
-	Hydrogen fluoride and its water-soluble salts	39	0	0	0	1,000	2

<Unpopulated printed circuit board>

supplier 1

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
34590-94-8	Dipropylene glycol monomethyl ether	82,614	16,523	0	0	66,091	1,100
88917-22-0	Methyl-2-[2-methoxy(methyl)ethoxy]ethyl acetate	82,614	16,523	0	0	66,091	0
182697-62-7	[Polymer of 2-(chloromethyl)oxirane / cresol / formaldehyde] cyclohex-4-en-1,2-dicarboxylate acrylate	28,915	28,915	0	0	520,470	7,300
64742-94-5	Solvent naphtha (petroleum), heavy aromatic	3,305	3,305	0	0	59,482	240
119313-12-1	2-Benzyl-2-(N,N-dimethylamino)-1-(4-morpholinophenyl)butan-1-one	4,131	4,131	0	0	74,353	150
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	41,307	4,131	0	0	37,176	0
7727-43-7	Barium sulfate	247,843	24,784	0	0	223,059	0
91-20-3	Naphthalene	8,261	826	0	0	7,435	0
107-83-5	Pentane, 2-methyl-	18	9	0	0	153	0
96-14-0	3-Methylpentane	13	7	0	0	115	0
110-54-3	Hexane	17	8	0	0	142	0
589-34-4	Hexane, 3-methyl-	53	26	0	0	448	0
591-76-4	2-methylhexane	46	23	0	0	393	0
142-82-5	Heptane	52	26	0	0	438	0
7440-02-0	Nickel	0	0	0	0	0	0
7440-22-4	Silver	0	0	0	0	0	0
7440-31-5	Tin	0	0	0	0	78	0
7697-37-2	Nitric acid	4,694	15,646	0	0	136,120	0
10257-54-2	Copper(II) sulfate monohydrate	973	3,244	0	0	28,223	0
7664-93-9	Sulfuric acid	523,799	#####	0	0	2,968,193	0
98-67-9	4-hydroxybenzenesulphonic acid	49,639	1,323,697	0	0	281,286	0
7440-50-8	Copper	0	0	0	0	5,630,693	0
460-19-5	Oxalonitrile	0	0	0	0	0	0
1310-73-2	Sodium hydroxide	351	9,352	0	0	1,987	0
7440-43-9	Cadmium	0	0	0	0	575	0

supplier 2

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
-	sulfuric acid mist	1,286	0	0	0	0	0
-	nitrogen oxide	2,646	0	0	0	0	0
8013-13-6	Formaldehyde	43	0	0	0	0	0
7664-41-7	Ammonia	69	0	0	0	0	0
109103-97-1	hydrogen chloride	713	0	0	0	0	0
74-90-8	hydrogen cyanide	0	0	0	0	0	0
-	non-methane total hydrocarbon	946	0	0	0	0	0
-	granular material	408	0	0	0	0	0
7440-31-5	Tin and its compounds	0	0	0	0	0	0
-	COD	0	17,537	0	0	0	0
-	ammoniacal nitrogen	0	155	0	0	0	0
7723-14-0	total phosphorus	0	55	0	0	0	0
7727-37-9	total nitrogen	0	4,860	0	0	0	0
-	suspension	0	8,258	0	0	0	0
7440-50-8	Copper	0	34	0	0	0	0
7440-02-0	nickel	0	24	0	0	0	0
-	cyanide	0	1	0	0	0	0
-	petroleum	0	46	0	0	0	0
8013-13-6	Formaldehyde	0	45	0	0	0	0
-	total tin	0	28	0	0	0	0
-	total manganese	0	9	0	0	0	0
7440-02-0	Nickel-containing sludge (nickel)	0	0	0	0	65,348	0
7440-50-8	Copper-containing sludge (copper)	0	0	0	0	6,022,486	0
-	Negative film (photosensitive material)	0	0	0	0	0	11,406
-	Waste epoxy resin base material (organic resin)	0	0	0	0	0	71,843
7440-02-0	Nickel waste liquid (nickel)	0	0	0	0	0	147,540
-	Gold waste (cyanide)	0	0	0	0	0	1,720
7440-50-8	Copper Waste Liquid (Copper)	0	0	0	0	0	5,997,072
7440-50-8	Copper Sulfate	0	0	0	0	0	81,829
-	Filter element, filter bag (lauric acid)	0	0	0	0	0	53,964
-	Gold Resin (Organic Resin)	0	0	0	0	0	332
-	Waste chemical empty barrel	0	0	0	0	0	82,874
-	Waste gloves and dustcloth (Chemical)	0	0	0	0	0	99
-	Waste laboratory equipment (Chemical)	0	0	0	0	0	1,101
-	Waste Flux (Oil)	0	0	0	0	0	8,271
-	Forming frame and waste substrate (organic resin)	0	0	0	0	0	869,889
-	waste ore oil	0	0	0	0	0	3,780
-	Waste ink (paint)	0	0	0	0	0	81,924
-	Waste ink cartridges (paint)	0	0	0	0	0	53,229
-	Tin removal effluent (lauric acid)	0	0	0	0	0	641,240
-	Copper nitrate wastewater (lauric acid)	0	0	0	0	0	219,520
-	Waste activated carbon (organic matter)	0	0	0	0	0	2,214
-	Dust (Organic Resin)	0	0	0	0	0	396,911

supplier 3

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
-	sulfuric acid mist	974	0	0	0	0	0
-	nitrogen oxide	477	0	0	0	0	0
8013-13-6	Formaldehyde	0	0	0	0	0	0
7664-41-7	Ammonia	54	0	0	0	0	0
109103-97-1	hydrogen chloride	610	0	0	0	0	0
74-90-8	hydrogen cyanide	0	0	0	0	0	0
-	non-methane total hydrocarbon	3,481	0	0	0	0	0
-	granular material	145	0	0	0	0	0
-	COD	0	5,910	0	0	0	0
-	ammoniacal nitrogen	0	43	0	0	0	0
7723-14-0	total phosphorus	0	25	0	0	0	0
7727-37-9	total nitrogen	0	2,882	0	0	0	0
-	suspension	0	1,947	0	0	0	0
7440-50-8	Copper	0	11	0	0	0	0
7440-02-0	nickel	0	16	0	0	0	0
-	cyanide	0	0	0	0	0	0
8013-13-6	Formaldehyde	0	27	0	0	0	0
7440-02-0	Nickel-containing sludge (nickel)	0	0	0	0	8,228	0
7440-50-8	Copper-containing sludge (copper)	0	0	0	0	2,017,543	0
-	Negative film (photosensitive material)	0	0	0	0	0	5,380
-	Waste epoxy resin base material (organic resin)	0	0	0	0	0	32,714
7440-02-0	Nickel waste liquid (nickel)	0	0	0	0	0	168,890
7440-50-8	Copper Waste Liquid (Copper)	0	0	0	0	0	3,928,820
-	Dried waste (organic resin)	0	0	0	0	0	28,767
-	Filter element, filter bag (lauric acid)	0	0	0	0	0	3,248
-	Gold Resin (Organic Resin)	0	0	0	0	0	63
-	Waste Gloves, Dustcloth, Chemical Flask (Chemical)	0	0	0	0	0	347
-	Waste substrate (organic resin)	0	0	0	0	0	198,738
-	waste ore oil	0	0	0	0	0	1,440
-	Waste ink and ink cartridges (paint)	0	0	0	0	0	11,317
-	Tin removal effluent (lauric acid)	0	0	0	0	0	502,470
-	Copper nitrate wastewater (lauric acid)	0	0	0	0	0	4,780
-	Waste activated carbon (organic matter)	0	0	0	0	0	20,123
-	Dust (Organic Resin)	0	0	0	0	0	92,863

<Motor>**supplier 1**

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
-	Fluorides (as total F)	457	0	0	0	0	0
100-41-4	Ethylbenzene	136	0	0	0	0	0
108-95-2	Phenols	204	0	0	0	0	0
1330-20-7	Xylene	106	0	0	0	0	0

supplier 2

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
100-42-5	styrene	140	0	0	0	0	0
108-88-3	toluene	245	0	0	0	0	0
1330-20-7	xylene	2,707	0	0	0	0	0
109-86-4	ethylene glycol monomethyl ether	1,030	0	0	0	0	0

supplier 3

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
115-10-6	Dimethyl ether	0	0	0	0	0	9,200
108-88-3	Toluene						
123-92-2	Isoamyl acetate						
67-63-0	Isopropyl alcohol						
1330-20-7	Xylene						
100-41-4	Ethylbenzene						
1185-55-3	Methyltrimethoxysilane	0	0	0	0	0	580
100-41-4	Ethyl Benzene						
123-86-4	Butyl Acetate						
1330-20-7	Xyrene						
106-97-8	Butane						
115-10-6	Dimethyl ether						
123-86-4	Butyl acetate	0	0	0	0	0	54
7498-6	Propane						
78-93-3	Methyl Ethyl Ketone						
-	Aminosilane						
-	Epoxysilane						
1333-86-4	Carbon Black						
67-63-0	Isopropanol	0	0	0	0	0	1,250
60164-51-4	Perfluoroalkylether						
21645-51-2	Aluminum hydroxide						
2045294-94-6	Trimethylated and dimethylated silic						
27858-32-8	Diisopropoxy di(ethoxyacetoacetyl) titanate						
13463-67-7	Titanium dioxide						
1333-86-4	Carbon black	0	0	0	0	0	15
-	Crystalline silica						
-	Crystalline free silica						
-	Alkenoxysilane						
13463-67-7	Titanium oxide						
-	Organosilane						
-	Alkoxysilane						
1333-86-4	Carbon black	0	0	0	0	0	543
111-90-0	Diethylene glycol monoethyl ether						
141-43-5	2-amino ethanol						
-	Surfactant						

-	2- Methylpentane						
-	3-Methylpentane						
-	Butane						
-	Propane						
-	Acetone	0	0	0	0	0	359
-	Ethyl alcohol						
-	Hexane						
-	2,3-Dimethylbutane						
-	Methyl cyclopentane						
-	Base Oil						
-	Thickener	0	0	0	0	0	6
-	Additive barium compound						
25068-38-6	546						
9003-36-5	Bisphenol F Epoxy Resin						
12070-12-1	Tungsten Carbide	0	0	0	0	0	297
1309-37-1	Ferric Oxide						
-	Others						
-	Poly(amidoamine)						
12070-12-1	Metal Carbide	0	0	0	0	0	275
1309-37-1	Iron Oxide						
-	Others						
7085-85-0	Ethyl 2-cyanoacrylate						
85-44-9	Phthalic anhydride	0	0	0	0	0	65
123-31-9	Hydroqui0						
25068-38-6	Bisphenol A Type Liquid Epoxy Resin						
84-74-2	Di-n-butyl phthalate	0	0	0	0	0	19
-	Silica						
-	Polyamideamine	0	0	0	0	0	5
-	Silica						
25068-38-6	Bisphenol A Type Liquid Epoxy Resin						
9003-36-5	Bisphenol F Type Liquid Epoxy Resin	0	0	0	0	0	185
-	Silica						
2425-79-8	1,4-Butanediol diglycidyl ether						
-	Polyamideamine						
80-05-7	Bisphenol A						
111-40-0	Diethylenetriamine	0	0	0	0	0	172
112-24-3	Triethylene tatramine						
109-55-7	Dimethylaminopropylamine						
-	2-Hydroxyethyl methacrylate						
-	Ethylene chlorohydrin						
-	Cumene	0	0	0	0	0	4
-	Silica						
-	Meth)acrylic ester						
-	Ethyl alcohol						
-	n-Propanol	0	0	0	0	0	4
-	Methyl alcohol						
-	Hardening accelerator						
2495-37-6	Aromatic methacrylate ester						
79-41-4	Methacrylic acid						
3006-93-7	Maleimide resin	0	0	0	0	0	22
614-45-9	Tert-butyl perbenzoate						
112945-52-5	Silica, amorphous, fumed, crystal-free						
1189-08-8	1,3-Butylene glycol dimethacrylate						
142-82-5	n-Heptane						
34562-31-7	Diethyl-phenyl-propyl-dihydropyridine	0	0	0	0	0	55
67-63-0	Propan-2-ol						
645-62-5	2-Ethylhex-2-enal						
25068-38-6	bisphenol A Epichlorohydrin polymer	0	0	0	0	0	33
9003-36-5	Bisphenol F Epichlorohydrin polymer						
-	Polyamideamine	0	0	0	0	0	20
112-57-2	Tetraethylenepentamiine						
-	Interchangeable low viscosity base oil	0	0	0	0	0	18

25037-66-5	Unsaturated polyester resin						
100-42-5	Styrene	0	0	0	0	0	1,172
-	Organic peroxide	0	0	0	0	0	6
67-64-1	Acetone						
99-97-8	N,N-Dimethyl-p-toluidine	0	0	0	0	0	78
-	Polyamide resin	0	0	0	0	0	350
24980-58-3	Silyl-terminated Resin						
-	Organic tin Compound						
78-42-2	Tris(2-Ethylhexyl)phosphate	0	0	0	0	0	600
1333-86-4	Carbon Black						
67-56-1	Methanol						
25068-38-6	Bisphenol A Type Liquid Epoxy Resin						
1309-64-4	Antimony Trioxide	0	0	0	0	0	9,925
-	Silica						
9003-36-5	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	0	0	0	0	0	26,130
1333-86-4	Carbon black						
6864-37-5	4,4'-methylenebis (2-methylcyclohexaneamine)	0	0	0	0	0	5,813
14808-60-7	Cystalline Silica						
52301-18-5	Alkenoxysilane						
69709-01-9	Organosilane	0	0	0	0	0	5
1760-24-3	Alkoxysilane						
13463-67-7	Titanium oxide						
104-76-7	2-ethylhexyl alcohol						
25068-38-6	Bisphenol A Epoxy resin	0	0	0	0	0	240
11070-4-3	Tetrahydromethylphtalic anhydride	0	0	0	0	0	198
-	Promoter						
-	Ethyl 2-cyanoacrylate						
-	Methyl methacrylate	0	0	0	0	0	66
-	Hydroqui0						
-	Thickener, Additive						
7085-85-0	Ethyl 2-cyanoacrylate						
85-44-9	Phthalic anhydride	0	0	0	0	0	396
123-31-9	Hydroqui0						
-	Ester	0	0	0	0	0	6,316
34590-94-8	Dipropylene glycol monomethyl ether						
7085-85-0	Ethyl 2-cyanoacrylate						
-	Ethylene Copolymer Rubber						
67762-90-7	Treated fumed silica	0	0	0	0	0	445
1333-86-4	Carbon black						
123-31-9	Hydroqui0						
46729-07-1	Methacrylate Resin						
1189-08-8	1,3-Butylene glycol dimethacrylate						
27813-02-1	Hydroxyalkyl methacrylate						
39382-25-7	Bisphenol A fumarate resin						
-	Polyurethane methacrylate resin	0	0	0	0	0	16
-	Polyurethane methacrylate resin						
79-10-7	Acrylic acid						
9036-19-5	Octylphenol ethoxylate, 9-10EO						
114-83-0	1-Acetyl-2-phenylhydrazine						
98-82-8	Cumene						

2022 List of PRTR chemical substances

<Integrated circuit/semiconductor>

POTWs ;publically (publicly) owned treatment works

supplier 1

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
-	Antimony and its compounds	0	0	0	0	0	2,100
7705-08-0	Ferric chloride	0	0	0	0	0	0
-	Silver and its water-soluble compounds	0	0	0	0	0	0
127-19-5	N,N-dimethylacetamide	0	0	0	0	0	6,700
95-63-6	1,2,4-trimethylbenzene	54	0	0	0	0	1,900
7439-92-1	Lead	0	0	0	0	0	850
-	Hydrogen fluoride and its water-soluble salts	81	0	0	0	0	0

supplier 2

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
1330-20-7	Xylene	50	0	0	0	0	1,200
127-19-5	N,N-Dimethylacetamide	73	0	0	0	0	1,800
108-95-2	Phenol	55	0	0	0	0	1,300
-	Hydrogen fluoride and its water-soluble salts	280	0	0	0	1,400	0

supplier 3

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
-	Hydrogen fluoride and its water-soluble salts	37	0	0	0	1,311	12,002
100-41-4	Ethylbenzene	0	0	0	0	67	720
1330-20-7	Xylene	0	0	0	0	90	7,500
112-24-3	Triethylenetetramine	0	0	0	0	0	1,700
120-80-9	Catechol	0	0	0	0	0	0
90-12-0	1-Methylnaphthalene	33	0	0	0	0	0

<Unpopulated printed circuit board>
supplier 1

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
34590-94-8	Dipropylene glycol monomethyl ether	86,745	17,349	0	0	69,396	0
88917-22-0	Methyl-2-[2-methoxy(methyl)ethoxy]ethyl acetate	86,745	17,349	0	0	69,396	0
182697-62-7	[Polymer of 2-(chloromethyl)oxirane / cresol / formaldehyde] cyclohex-4-en-1,2-dicarboxylate acrylate	30,361	30,361	0	0	546,493	0
64742-94-5	Solvent naphtha (petroleum), heavy aromatic	3,470	3,470	0	0	62,456	0
119313-12-1	2-Benzyl-2-(N,N-dimethylamino)-1-(4-morpholinophenyl)butan-1-one	4,337	4,337	0	0	78,070	0
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	43,372	4,337	0	0	39,035	0
7727-43-7	Barium sulfate	260,235	26,023	0	0	234,211	0
91-20-3	Naphthalene	8,674	867	0	0	7,807	0
107-83-5	Pentane, 2-methyl-	19	9	0	0	160	0
96-14-0	3-Methylpentane	14	7	0	0	120	0
110-54-3	Hexane	18	9	0	0	150	0
589-34-4	Hexane, 3-methyl-	55	28	0	0	470	0
591-76-4	2-methylhexane	49	24	0	0	413	0
142-82-5	Heptane	54	27	0	0	460	0
7440-02-0	Nickel	0	0	0	0	0	0
7440-22-4	Silver	0	0	0	0	0	0
7440-31-5	Tin	0	0	0	0	82	0
7697-37-2	Nitric acid	4,928	16,428	0	0	142,926	0
10257-54-2	Copper(II) sulfate monohydrate	1,022	3,406	0	0	29,634	0
7664-93-9	Sulfuric acid	549,989	14,666,366	0	0	3,116,603	0
98-67-9	4-hydroxybenzenesulphonic acid	52,121	1,389,882	0	0	295,350	0
7440-50-8	Copper	0	0	0	0	5,912,228	0
460-19-5	Oxalonnitrile	0	0	0	0	0	0
1310-73-2	Sodium hydroxide	368	9,820	0	0	2,087	0
7440-43-9	Cadmium	0	0	0	0	575	0

supplier 2

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
-	sulfuric acid mist	938	0	0	0	0	0
-	nitrogen oxide	2,680	0	0	0	0	0
8013-13-6	Formaldehyde	0	0	0	0	0	0
7664-41-7	Ammonia	126	0	0	0	0	0
109103-97-1	hydrogen chloride	1,354	0	0	0	0	0
74-90-8	hydrogen cyanide	0	0	0	0	0	0
-	non-methane total hydrocarbon	2,475	0	0	0	0	0
-	granular material	225	0	0	0	0	0
7440-31-5	Tin and its compounds	0	0	0	0	0	0
-	COD	0	11,464	0	0	0	0
-	ammoniacal nitrogen	0	234	0	0	0	0
7723-14-0	total phosphorus	0	30	0	0	0	0
7727-37-9	total nitrogen	0	3,078	0	0	0	0
-	suspension	0	4,453	0	0	0	0
7440-50-8	Copper	0	34	0	0	0	0
7440-02-0	nickel	0	8	0	0	0	0
-	cyanide	0	1	0	0	0	0
-	petroleum	0	3	0	0	0	0
8013-13-6	Formaldehyde	0	47	0	0	0	0
-	total tin	0	21	0	0	0	0
-	total manganese	0	8	0	0	0	0
7440-02-0	Nickel-containing sludge (nickel)	0	0	0	0	4,908	0
7440-50-8	Copper-containing sludge (copper)	0	0	0	0	914,791	0
-	Negative film (photosensitive material)	0	0	0	0	0	2,089
-	Waste epoxy resin base material (organic resin)	0	0	0	0	0	10,662
7440-02-0	Nickel waste liquid (nickel)	0	0	0	0	0	26,020
-	Gold waste (cyanide)	0	0	0	0	0	854
7440-50-8	Copper Waste Liquid (Copper)	0	0	0	0	0	668,730
7440-50-8	Copper Sulfate	0	0	0	0	0	10,994
-	Filter element, filter bag (lauric acid)	0	0	0	0	0	13,260
-	Gold Resin (Organic Resin)	0	0	0	0	0	16,128
-	Waste chemical empty barrel (Chemical)	0	0	0	0	0	149
-	Waste Flux (Oil)	0	0	0	0	0	1,163
-	Forming frame and waste substrate (organic resin)	0	0	0	0	0	108,223
-	waste ore oil	0	0	0	0	0	697
-	Waste ink (paint)	0	0	0	0	0	8,880
-	Waste ink cartridges (paint)	0	0	0	0	0	7,825
-	Tin removal effluent (lauric acid)	0	0	0	0	0	103,340
-	Copper nitrate wastewater (lauric acid)	0	0	0	0	0	45,570
-	Waste activated carbon (organic matter)	0	0	0	0	0	12,080
-	Dust (Organic Resin)	0	0	0	0	0	49,740

supplier 3

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
-	sulfuric acid mist	2,123	0	0	0	0	0
-	nitrogen oxide	247	0	0	0	0	0
8013-13-6	Formaldehyde	0	0	0	0	0	0
7664-41-7	Ammonia	47	0	0	0	0	0
109103-97-1	hydrogen chloride	348	0	0	0	0	0
74-90-8	hydrogen cyanide	0	0	0	0	0	0
-	non-methane total hydrocarbon	3,062	0	0	0	0	0
-	granular material	199	0	0	0	0	0
-	COD	0	8,708	0	0	0	0
-	ammoniacal nitrogen	0	214	0	0	0	0
7723-14-0	total phosphorus	0	49	0	0	0	0
7727-37-9	total nitrogen	0	2,969	0	0	0	0
-	suspension	0	2,335	0	0	0	0
7440-50-8	Copper	0	18	0	0	0	0
7440-02-0	nickel	0	6	0	0	0	0
-	cyanide	0	0	0	0	0	0
8013-13-6	Formaldehyde	0	23	0	0	0	0
7440-02-0	Nickel-containing sludge (nickel)	0	0	0	0	8,774	0
7440-50-8	Copper-containing sludge (copper)	0	0	0	0	2,124,558	0
-	Negative film (photosensitive material)	0	0	0	0	0	5,001
-	Waste epoxy resin base material (organic resin)	0	0	0	0	0	64,875
7440-02-0	Nickel waste liquid (nickel)	0	0	0	0	0	159,280
7440-50-8	Copper Waste Liquid (Copper)	0	0	0	0	0	3,748,020
-	Dried waste (organic resin)	0	0	0	0	0	70,173
-	Filter element, filter bag (lauric acid)	0	0	0	0	0	6,869
-	Gold Resin (Organic Resin)	0	0	0	0	0	0
-	Waste Gloves, Dustcloth, Chemical Flask (Chemical)	0	0	0	0	0	597
-	Waste substrate (organic resin)	0	0	0	0	0	312,454
-	waste ore oil	0	0	0	0	0	2,953
-	Waste ink and ink cartridges (paint)	0	0	0	0	0	18,684
-	Tin removal effluent (lauric acid)	0	0	0	0	0	319,400
-	Copper nitrate wastewater (lauric acid)	0	0	0	0	0	0
-	Waste activated carbon (organic matter)	0	0	0	0	0	41,962
-	Dust (Organic Resin)	0	0	0	0	0	178,951

<Motor>

supplier 1

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
-	Fluorides (as total F)	455	0	0	0	0	0
100-41-4	Ethylbenzene	107	0	0	0	0	0
108-95-2	Phenols	132	0	0	0	0	0
1330-20-7	Xylene	85	0	0	0	0	0

supplier 2

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
100-42-5	styrene	211	0	0	0	0	0
108-88-3	toluene	287	0	0	0	0	0
1330-20-7	xylene	2,292	0	0	0	0	0
109-86-4	ethylene glycol monomethyl ether	1,007	0	0	0	0	0

supplier 3

substances specified by Japanese PRTR		Releases (kg/year)				Transfers (kg/year)	
CAS No.	Name	Air Emission	Water Bodies	Land	On-site Landfills	POTWs	Waste
64742-55-8	Paraffinic distillate, light, hydrotreated (severe)	0	0	0	0	0	192
64741-88	Paraffinic distillate, heavy, solvent-refined (severe)						
471-34-1	Calcium carbonate						
64742-47-8	Hydrotreated light distillate	0	0	0	0	0	27,588
64742-48-9	Naphtha petroleum, heavy, hydrotreated	0	0	0	0	0	7,200
111-84-2	N-Nonane						
64742-48-9	Naphtha petroleum, isoparaffin, hydrotreated						
-	Rust prevention additives	0	0	0	0	0	576
-	Mineral oil						
-	Petroleum solvents						
67-63-0	Isopropanol	0	0	0	0	0	2,460
67-56-1	Methanol	0	0	0	0	0	0
67-63-0	Isopropyl alcohol						
-	Organic acid						
-	Surfactant	0	0	0	0	0	420
79-10-7	Acrylic acid						
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol						
24650-42-8	Ethanone, 2,2-dimethoxy-1,2-diphenyl						
80-15-9	Cumene hydroperoxide						
98-82-8	Cumene						
7085-85-0	Ethyl 2 - cyanoacrylate	0	0	0	0	0	78
85-44-9	Phthalic anhydride	0	0	0	0	0	3,672
25068-38-6	Bisphenol A epoxy resin						
9003-36-5	Bisphenol F epoxy resin						
12070-12-1	Tungsten carbide						
1309-37-1	Ferric oxide						
Confidential	Others						
7440-31-5	Tin	0	0	0	0	0	3,600
7440-22-4	Silver						
7440-50-8	Copper						
-	Rosin						
-	Solvent						
-	Silicone modified polymer						
-	Fillers	0	0	0	0	0	2,156
-	Hydrocarbonresin						
-	Paraffin						
1333-86-4	Carbon black						
-	Organic tin compound						
7440-31-5	Tin						
7440-22-4	Silver	0	0	0	0	0	3,636
7440-50-8	Copper						