

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/2020/03/20210319006/20210319006.html>(in japanese)) ,and/or from supplier investigations.

2018 List of PRTR chemical substances

< Integrated circuit/semiconductor >
supplier 1

POTWs ;publically (publicly) owned treatment works

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	6,700
100-41-4	ethylbenzene	390	0	0	0	0	630
7705-08-0	Ferric chloride	0	0	0	0	0	0
1330-20-7	xylene	470	0	0	0	0	800
-	Silver and its water-soluble	0	0	0	0	0	0
127-19-5	N,N-dimethylacetamide	0	0	0	0	0	0
11070-44-3	tetrahydromethylphthalic anhydride	0	0	0	0	0	0
91-20-3	Naphthalene	0	0	0	0	0	0
7439-92-1	Lead	0	0	0	0	0	880
7440-02-0	Nickel	0	0	0	0	0	0
-	Hydrogen fluoride and its water-soluble salts	110	0	0	0	0	0
1321-94-4	Methylnaphthalene	0	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
100-41-4	Ethylbenzene	740	0	0	0	0	0
7705-08-0	Ferric chloride	0	0	0	0	0	0
1330-20-7	Xylene	1,500	0	0	0	0	0
127-19-5	N,N-dimethylacetamide	0	0	0	0	0	0
95-63-6	1,2,4-trimethylbenzene	31	0	0	0	0	0
-	Lead compounds	0	0	0	0	0	29
7440-02-0	Nickel	0	0	0	0	0	0
-	Hydrogen fluoride and its water-soluble salts	700	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
112-24-3	Triethylenetetramine	0	0	0	0	0	1,300
-	Hydrogen fluoride and its water-soluble salts	41	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
100-41-4	ethylbenzene	930	0	0	0	0	100
107-15-3	ethylenediamine	0	0	0	0	0	1,000
108-91-8	cyclohexylamine	0	0	0	0	0	0
-	copper salts(water-soluble, except	0	83	0	0	0	8,400
7439-92-1	lead	0	0	0	0	0	0
-	lead compounds	0	0	0	0	0	450
-	nickel compounds	0	6	0	0	0	150
-	water-soluble salts of peroxodisulfuric	0	0	0	0	0	0
50-00-0	formaldehyde	19	0	0	0	0	1,300

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	843	0	0	0	0	0
-	nitrogen oxide	1,596	0	0	0	0	0
8013-13-6	Formaldehyde	252	0	0	0	0	0
7664-41-7	Ammonia	5,460	0	0	0	0	0
109103-97-1	hydrogen chloride	1,500	0	0	0	0	0
74-90-8	hydrogen cyanide	0	0	0	0	0	0
-	non-methane total hydrocarbon	8,614	0	0	0	0	0
-	granular material	606	0	0	0	0	0
7440-31-5	Tin and its compounds	4	0	0	0	0	0
-	COD	0	8,078	0	0	0	0
-	ammoniacal nitrogen	0	83	0	0	0	0
7723-14-0	total phosphorus	0	20	0	0	0	0
7727-37-9	total nitrogen	0	2,649	0	0	0	0
-	suspension	0	3,773	0	0	0	0
7440-50-8	Copper	0	13	0	0	0	0
7440-02-0	nickel	0	0	0	0	0	0
7440-02-0	Nickel-containing sludge (nickel)	0	0	0	0	62,960	0
7440-50-8	Copper-containing sludge (copper)	0	0	0	0	6,695,980	0
-	Negative film (photosensitive	0	0	0	0	0	13,835
-	Waste epoxy resin base material	0	0	0	0	0	113,377
7440-02-0	Nickel waste liquid (nickel)	0	0	0	0	0	191,540
-	Gold waste (cyanide)	0	0	0	0	0	1,623
7440-50-8	Copper Waste Liquid (Copper)	0	0	0	0	0	8,072,260
7440-50-8	Copper Sulfate	0	0	0	0	0	119,352
-	Dried waste (organic resin)	0	0	0	0	0	384,975
-	Filter element, filter bag (lauric acid)	0	0	0	0	0	30,209
-	Copper nitrate wastewater (lauric	0	0	0	0	0	222,300
-	Waste activated carbon (organic	0	0	0	0	0	3,740
-	Dust (Organic Resin)	0	0	0	0	0	458,815
-	waste ore oil	0	0	0	0	0	1,732
-	Tin stripping liquid (tin)	0	0	0	0	0	1,175,110
-	Waste ink and ink cartridges (paint)	0	0	0	0	0	115,529
-	Gold Resin (Organic Resin)	0	0	0	0	0	329
-	Waste Gloves, Dustcloth, Chemical	0	0	0	0	0	2,682
-	Waste substrate (organic resin)	0	0	0	0	0	1,066,072

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	2,373	0	0	0	0	0
-	nitrogen oxide	908	0	0	0	0	0
8013-13-6	Formaldehyde	43	0	0	0	0	0
7664-41-7	Ammonia	17	0	0	0	0	0
109103-97-1	hydrogen chloride	1,119	0	0	0	0	0
74-90-8	hydrogen cyanide	4	0	0	0	0	0
-	non-methane total hydrocarbon	1,631	0	0	0	0	0
-	granular material	1,622	0	0	0	0	0
-	COD	0	25,907	0	0	0	0
-	ammoniacal nitrogen	0	608	0	0	0	0
7723-14-0	total phosphorus	0	44	0	0	0	0
7727-37-9	total nitrogen	0	5,743	0	0	0	0
-	suspension	0	4,402	0	0	0	0
7440-50-8	Copper	0	33	0	0	0	0
7440-02-0	nickel	0	17	0	0	0	0
7440-02-0	Nickel-containing sludge (nickel)	0	0	0	0	11,081	0
7440-50-8	Copper-containing sludge (copper)	0	0	0	0	1,336,022	0
-	Negative film (photosensitive)	0	0	0	0	0	6,181
-	Waste epoxy resin base material	0	0	0	0	0	20,621
7440-02-0	Nickel waste liquid (nickel)	0	0	0	0	0	123,543
7440-50-8	Copper Waste Liquid (Copper)	0	0	0	0	0	1,919,002
-	Dried waste (organic resin)	0	0	0	0	0	46,371
-	Filter element, filter bag (lauric acid)	0	0	0	0	0	8,598
-	Gold Resin (Organic Resin)	0	0	0	0	0	121
-	Waste Gloves, Dustcloth, Chemical	0	0	0	0	0	1,333
-	Waste substrate (organic resin)	0	0	0	0	0	342,751
-	waste ore oil	0	0	0	0	0	2,678
-	Waste ink and ink cartridges (paint)	0	0	0	0	0	23,591
-	Tin removal effluent (lauric acid)	0	0	0	0	0	347,199
-	Copper nitrate wastewater (lauric acid)	0	0	0	0	0	13,768
-	Waste activated carbon (organic)	0	0	0	0	0	16,041
-	Dust (Organic Resin)	0	0	0	0	0	167,769

<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)	594	0	0	0	0	0
100-41-4	Ethylbenzene	3,204	0	0	0	0	0
108-95-2	Phenols	468	0	0	0	0	0
108-88-3	Toluene	4	0	0	0	0	0
1330-20-7	Xylene	2,606	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
None to be reported							

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	None	None	None	None	None	1,130.4
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						
100-41-4	Ethyl Benzene	None	None	None	None	None	516
123-86-4	Butyl Acetate						
1330-20-7	Xyrene						
106-97-8	Butane	None	None	None	None	None	50.4
115-10-6	Dimethyl ether						
123-86-4	Butyl acetate						
7498-6	Propane						
78-93-3	Methyl Ethyl Ketone						
-	Aminosilane	None	None	None	None	None	122.4
-	Epoxy silane						
1333-86-4	Carbon Black	None	None	None	None	None	463.3
67-63-0	Isopropanol						
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						
-	Crystalline silica						
-	Crystalline free silica						
-	Alkenoxysilane	None	None	None	None	None	4
13463-67-7	Titanium oxide						
-	Organosilane						
-	Alkoxysilane						
1333-86-4	Carbon black						
111-90-0	Diethylene glycol monoethyl ether	None	None	None	None	None	480
141-43-5	2-amino ethanol						
-	Surfactant						

107-83-5	2- Methylpentane	None	None	None	None	None	480						
96-14-0	3-Methylpentane												
106-97-8	Butane												
7498-6	Propane												
67-64-1	Acetone												
64-17-5	Ethyl alcohol												
110-54-3	Hexane												
75-83-2	2,3-Dimethylbutane												
96-37-7	Methyl cyclopentane	None	None	None	None	None	3.8						
64741-97-5	Base Oil												
-	Thickener												
-	Additive barium compound	None	None	None	None	None	273						
25068-38-6	Poly(Bisphenol A-co-epichlorohydrin)												
9003-36-5	Bisphenol F Epoxy Resin												
12070-12-1	Tungsten Carbide												
1309-37-1	Ferric Oxide												
-	Others	None	None	None	None	None	273						
-	Poly(amidoamine)												
12070-12-1	Metal Carbide												
1309-37-1	Iron Oxide	None	None	None	None	None	60						
-	Others												
7085-85-0	Ethyl 2-cyanoacrylate												
85-44-9	Phthalic anhydride	None	None	None	None	None	12						
123-31-9	Hydroquinone												
25068-38-6	Bisphenol A Type Liquid Epoxy Resin												
84-74-2	Di-n-butyl phthalate	None	None	None	None	None	4.8						
-	Silica												
-	Polyamideamine												
-	Silica	None	None	None	None	None	168						
25068-38-6	Bisphenol A Type Liquid Epoxy Resin												
9003-36-5	Bisphenol F Type Liquid Epoxy Resin												
-	Silica												
2425-79-8	1,4-Butanediol diglycidyl ether	None	None	None	None	None	163.2						
-	Polyamideamine												
80-05-7	Bisphenol A												
111-40-0	Diethylenetriamine												
112-24-3	Triethylene tatramine												
109-55-7	Dimethylaminopropylamine												
868-77-9	2-Hydroxyethyl methacrylate							None	None	None	None	None	1.5
107-07-3	Ethylene chlorohydrin												
98-82-8	Cumene												
-	Silica												
-	Meth)acrylic ester	None	None	None	None	None	3						
64-17-5	Ethyl alcohol												
71-23-8	n-Propanol												
67-56-1	Methyl alcohol												
-	Hardening accelerator	None	None	None	None	None	18						
2495-37-6	Aromatic methacrylate ester												
79-41-4	Methacrylic acid												
3006-93-7	Maleimide resin												
614-45-9	Tert-butyl perbenzoate												
112945-52-5	Silica, amorphous, fumed, crystal-	None	None	None	None	None	48						
1189-08-8	1,3-Butylene glycol dimethacrylate												
142-82-5	n-Heptane												
34562-31-7	Diethyl-phenyl-propyl-dihydropyridine	None	None	None	None	None	30						
67-63-0	Propan-2-ol												
645-62-5	2-Ethylhex-2-enal												
25068-38-6	bisphenol A Epichlorohydrin polymer	None	None	None	None	None	30						
9003-36-5	Bisphenol F Epichlorohydrin polymer												
-	Polyamideamine	None	None	None	None	None	30						
112-57-2	Tetraethylenepentamiine												
-	Interchangeable low viscosity base oil	None	None	None	None	None	18						
25037-66-5	Unsaturated polyester resin												
100-42-5	Styrene	None	None	None	None	None	1,152						

-	Organic peroxide	None	None	None	None	None	5.8
67-64-1	Acetone	None	None	None	None	None	75.8
99-97-8	N,N-Dimethyl-p-toluidine						
-	Polyamide resin	None	None	None	None	None	388.8
24980-58-3	Silyl-terminated Resin	None	None	None	None	None	619.2
-	Organic tin Compound						
78-42-2	Tris(2-Ethylhexyl)phosphate						
1333-86-4	Carbon Black						
67-56-1	Methanol	None	None	None	None	None	9,840
25068-38-6	Bisphenol A Type Liquid Epoxy Resin						
1309-64-4	Antimony Trioxide						
-	Silica	None	None	None	None	None	25,920
9003-36-5	Formaldehyde, polymer with (chloromethyl)oxirane and phenol						
1333-86-4	Carbon black	None	None	None	None	None	2.4
6864-37-5	4,4 methylenebis (2-methylcyclohexaneamine)						
14808-60-7	Cystalline Silica						
52301-18-5	Alkenoxysilane						
69709-01-9	Organosilane						
1760-24-3	Alkoxysilane						
13463-67-7	Titanium oxide						
104-76-7	2-ethylhexyl alcohol	None	None	None	None	None	240
25068-38-6	Bisphenol A Epoxy resin						
11070-44-3	Tetrahydromethylphtalic anhydride	None	None	None	None	None	192
-	Promoter						
7085-85-0	Ethyl 2-cyanoacrylate	None	None	None	None	None	66
85-44-9	Methyl methacrylate						
123-31-9	Hydroquinone						
-	Thickener, Additive	None	None	None	None	None	282
7085-85-0	Ethyl 2-cyanoacrylate						
85-44-9	Phthalic anhydride						
123-31-9	Hydroquinone	None	None	None	None	None	6,264
-	Ester						
34590-94-8	Dipropylene glycol monomethyl ether	None	None	None	None	None	11.4
7085-85-0	Ethyl 2-cyanoacrylate						
-	Ethylene Copolymer Rubber						
67762-90-7	Treated fumed silica						
1333-86-4	Carbon black						
123-31-9	Hydroquinone	None	None	None	None	None	11.4
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						
-	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						

2019 List of PRTR chemical substances

<Integrated circuit/semiconductor>
supplier 1

POTWs ;publically (publicly) owned treatment works

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	5,600
7705-08-0	Ferric chloride	0	0	0	0	0	0
-	Silver and its water-soluble	0	0	0	0	0	0
127-19-5	N,N-dimethylacetamide	0	0	0	0	0	0
11070-44-3	tetrahydromethylphthalic anhydride	0	0	0	0	0	0
7439-92-1	Lead	0	0	0	0	0	820
7440-02-0	Nickel	0	0	0	0	0	0
-	Hydrogen fluoride and its water-soluble salts	100	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
100-41-4	Ethylbenzene	680	0	0	0	0	0
7705-08-0	Ferric chloride	0	0	0	0	0	0
1330-20-7	Xylene	1,300	0	0	0	0	0
127-19-5	N,N-dimethylacetamide	0	0	0	0	0	0
95-63-6	1,2,4-trimethylbenzene	30	0	0	0	0	0
-	Lead compounds	0	0	0	0	0	36
7440-02-0	Nickel	0	0	0	0	0	0
110-85-0	Piperazine	0	1,100	0	0	0	0
-	Hydrogen fluoride and its water-soluble salts	1,800	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
112-24-3	Triethylenetetramine	0	0	0	0	0	1,300
-	Hydrogen fluoride and its water-soluble salts	38	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
107-15-3	ethylenediamine	0	0	0	0	0	1,100
108-91-8	cyclohexylamine	0	0	0	0	0	0
-	copper salts(water-soluble, except	0	71	0	0	0	7,300
-	lead compounds	0	0	0	0	0	240
-	nickel compounds	0	6	0	0	0	150
-	water-soluble salts of peroxodisulfuric	0	0	0	0	0	0
50-00-0	formaldehyde	19	0	0	0	0	1,300

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	3,023	0	0	0	0	0
-	nitrogen oxide	3,819	0	0	0	0	0
8013-13-6	Formaldehyde	230	0	0	0	0	0
7664-41-7	Ammonia	144	0	0	0	0	0
109103-97-1	hydrogen chloride	920	0	0	0	0	0
74-90-8	hydrogen cyanide	0	0	0	0	0	0
-	non-methane total hydrocarbon	7,199	0	0	0	0	0
-	granular material	104	0	0	0	0	0
7440-31-5	Tin and its compounds	0	0	0	0	0	0
-	COD	0	12,830	0	0	0	0
-	ammoniacal nitrogen	0	285	0	0	0	0
7723-14-0	total phosphorus	0	22	0	0	0	0
7727-37-9	total nitrogen	0	5,349	0	0	0	0
-	suspension	0	5,000	0	0	0	0
7440-50-8	Copper	0	20	0	0	0	0
7440-02-0	nickel	0	0	0	0	0	0
-	cyanide	0	1	0	0	0	0
-	petroleum	0	153	0	0	0	0
8013-13-6	Formaldehyde	0	11	0	0	0	0
7440-02-0	Nickel-containing sludge (nickel)	0	0	0	0	64,390	0
7440-50-8	Copper-containing sludge (copper)	0	0	0	0	5,395,240	0
-	Negative film (photosensitive	0	0	0	0	0	14,340
-	Waste epoxy resin base material	0	0	0	0	0	90,350
7440-02-0	Nickel waste liquid (nickel)	0	0	0	0	0	176,240
-	Gold waste (cyanide)	0	0	0	0	0	3,688
7440-50-8	Copper Waste Liquid (Copper)	0	0	0	0	0	6,340,530
7440-50-8	Copper Sulfate	0	0	0	0	0	112,680
-	Dried waste (organic resin)	0	0	0	0	0	424,455
-	Filter element, filter bag (lauric acid)	0	0	0	0	0	42,257
-	Gold Resin (Organic Resin)	0	0	0	0	0	3,212
-	Waste Gloves, Dustcloth, Chemical	0	0	0	0	0	2,894
-	Waste substrate (organic resin)	0	0	0	0	0	825,850
-	waste ore oil	0	0	0	0	0	3,486
-	Waste ink and ink cartridges (paint)	0	0	0	0	0	70,991
-	Tin removal effluent (lauric acid)	0	0	0	0	0	843,500
-	Copper nitrate wastewater (lauric	0	0	0	0	0	160,020
-	Waste activated carbon (organic	0	0	0	0	0	5,710
-	Dust (Organic Resin)	0	0	0	0	0	420,266

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	2,159	0	0	0	0	0
-	nitrogen oxide	821	0	0	0	0	0
8013-13-6	Formaldehyde	39	0	0	0	0	0
7664-41-7	Ammonia	15	0	0	0	0	0
109103-97-1	hydrogen chloride	1,009	0	0	0	0	0
74-90-8	hydrogen cyanide	3	0	0	0	0	0
-	non-methane total hydrocarbon	1,489	0	0	0	0	0
-	granular material	1,478	0	0	0	0	0
-	COD	0	23,547	0	0	0	0
-	ammoniacal nitrogen	0	546	0	0	0	0
7723-14-0	total phosphorus	0	40	0	0	0	0
7727-37-9	total nitrogen	0	5,219	0	0	0	0
-	suspension	0	4,001	0	0	0	0
7440-50-8	Copper	0	30	0	0	0	0
7440-02-0	nickel	0	15	0	0	0	0
-	cyanide	0	0	0	0	0	0
8013-13-6	Formaldehyde	0	458	0	0	0	0
7440-02-0	Nickel-containing sludge (nickel)	0	0	0	0	10,078	0
7440-50-8	Copper-containing sludge (copper)	0	0	0	0	1,214,568	0
-	Negative film (photosensitive)	0	0	0	0	0	5,622
-	Waste epoxy resin base material	0	0	0	0	0	18,752
7440-02-0	Nickel waste liquid (nickel)	0	0	0	0	0	112,315
7440-50-8	Copper Waste Liquid (Copper)	0	0	0	0	0	1,744,550
-	Dried waste (organic resin)	0	0	0	0	0	42,163
-	Filter element, filter bag (lauric acid)	0	0	0	0	0	7,811
-	Gold Resin (Organic Resin)	0	0	0	0	0	112
-	Waste Gloves, Dustcloth, Chemical	0	0	0	0	0	1,215
-	Waste substrate (organic resin)	0	0	0	0	0	311,595
-	waste ore oil	0	0	0	0	0	2,431
-	Waste ink and ink cartridges (paint)	0	0	0	0	0	21,451
-	Tin removal effluent (lauric acid)	0	0	0	0	0	315,632
-	Copper nitrate wastewater (lauric acid)	0	0	0	0	0	12,512
-	Waste activated carbon (organic)	0	0	0	0	0	14,587
-	Dust (Organic Resin)	0	0	0	0	0	152,512

<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)	416.0	0	0	0	0	0
100-41-4	Ethylbenzene	2,035.7	0	0	0	0	0
108-95-2	Phenols	252.0	0	0	0	0	0
108-88-3	Toluene	3.0	0	0	0	0	0
1330-20-7	Xylene	1,656.5	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	65	0	0	0	0	0
108-88-3	toluene	207	0	0	0	0	0
1330-20-7	xylene	3,846	0	0	0	0	0
109-86-4	ethylene glycol monomethyl ether	1,032	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	None	None	None	None	None	1,356
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	None	None	None	None	619	
100-41-4	Ethyl Benzene						
123-86-4	Butyl Acetate						
1330-20-7	Xyrene						
106-97-8	Butane	None	None	None	None	60	
115-10-6	Dimethyl ether						
123-86-4	Butyl acetate						
7498-6	Propane						
78-93-3	Methyl Ethyl Ketone	None	None	None	None	146	
-	Aminosilane						
-	Epoxy silane						
1333-86-4	Carbon Black	None	None	None	None	None	1,285
67-63-0	Isopropanol						
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						
-	Crystalline silica						
-	Crystalline free silica						
-	Alkenoxysilane	None	None	None	None	12	
13463-67-7	Titanium oxide						
-	Organosilane						
-	Alkoxysilane						
1333-86-4	Carbon black	None	None	None	None	None	576
111-90-0	Diethylene glycol monoethyl ether						
141-43-5	2-amino ethanol						
-	Surfactant						

-	2- Methylpentane						
-	3-Methylpentane						
-	Butane						
-	Propane						
-	Acetone	None	None	None	None	None	15
-	Ethyl alcohol						
-	Hexane						
-	2,3-Dimethylbutane						
-	Methyl cyclopentane						
-	Base Oil						
-	Thickener	None	None	None	None	None	8
-	Additive barium compound						
25068-38-6	546						
9003-36-5	Bisphenol F Epoxy Resin						
12070-12-1	Tungsten Carbide	None	None	None	None	None	327
1309-37-1	Ferric Oxide						
-	Others						
-	Poly(amidoamine)						
12070-12-1	Metal Carbide	None	None	None	None	None	300
1309-37-1	Iron Oxide						
-	Others						
7085-85-0	Ethyl 2-cyanoacrylate						
85-44-9	Phthalic anhydride	None	None	None	None	None	72
123-31-9	Hydroquinone						
25068-38-6	Bisphenol A Type Liquid Epoxy Resin						
84-74-2	Di-n-butyl phthalate	None	None	None	None	None	15
-	Silica						
-	Polyamideamine	None	None	None	None	None	5
-	Silica						
25068-38-6	Bisphenol A Type Liquid Epoxy Resin						
9003-36-5	Bisphenol F Type Liquid Epoxy Resin	None	None	None	None	None	241
-	Silica						
2425-79-8	1,4-Butanediol diglycidyl ether						
-	Polyamideamine						
80-05-7	Bisphenol A						
111-40-0	Diethylenetriamine	None	None	None	None	None	195
112-24-3	Triethylene tatramine						
109-55-7	Dimethylaminopropylamine						
-	2-Hydroxyethyl methacrylate						
-	Ethylene chlorohydrin						
-	Cumene	None	None	None	None	None	5
-	Silica						
-	Meth)acrylic ester						
-	Ethyl alcohol						
-	n-Propanol	None	None	None	None	None	6
-	Methyl alcohol						
-	Hardening accelerator						
2495-37-6	Aromatic methacrylate ester						
79-41-4	Methacrylic acid						
3006-93-7	Maleimide resin	None	None	None	None	None	25
614-45-9	Tert-butyl perbenzoate						
112945-52-5	Silica, amorphous, fumed, crystal-						
1189-08-8	1,3-Butylene glycol dimethacrylate						
142-82-5	n-Heptane						
34562-31-7	Diethyl-phenyl-propyl-dihydropyridine	None	None	None	None	None	62
67-63-0	Propan-2-ol						
645-62-5	2-Ethylhex-2-enal						
25068-38-6	bisphenol A Epichlorohydrin polymer	None	None	None	None	None	35
9003-36-5	Bisphenol F Epichlorohydrin polymer						
-	Polyamideamine	None	None	None	None	None	24
112-57-2	Tetraethylenepentamiine						
-	Interchangeable low viscosity base oil	None	None	None	None	None	21

25037-66-5	Unsaturated polyester resin	None	None	None	None	None	None	1,382
100-42-5	Styrene							
-	Organic peroxide	None	None	None	None	None	None	10
67-64-1	Acetone	None	None	None	None	None	None	80
99-97-8	N,N-Dimethyl-p-toluidine							
-	Polyamide resin	None	None	None	None	None	None	350
24980-58-3	Silyl-terminated Resin	None	None	None	None	None	None	680
-	Organic tin Compound							
78-42-2	Tris(2-Ethylhexyl)phosphate							
1333-86-4	Carbon Black							
67-56-1	Methanol	None	None	None	None	None	None	792
25068-38-6	Bisphenol A Type Liquid Epoxy Resin							
1309-64-4	Antimony Trioxide							
-	Silica	None	None	None	None	None	None	28,512
9003-36-5	Formaldehyde, polymer with (chloromethyl)oxirane and phenol							
1333-86-4	Carbon black	None	None	None	None	None	None	6,283
6864-37-5	4,4 methylenebis (2-methylcyclohexaneamine)	None	None	None	None	None	None	5
14808-60-7	Cystalline Silica							
52301-18-5	Alkenoxysilane							
69709-01-9	Organosilane							
1760-24-3	Alkoxysilane							
13463-67-7	Titanium oxide							
104-76-7	2-ethylhexyl alcohol							
25068-38-6	Bisphenol A Epoxy resin	None	None	None	None	None	None	240
11070-4-3	Tetrahydromethylphtalic anhydride	None	None	None	None	None	None	211
-	Promoter							
-	Ethyl 2-cyanoacrylate	None	None	None	None	None	None	66
-	Methyl methacrylate							
-	Hydroquinone							
-	Thickener, Additive							
7085-85-0	Ethyl 2-cyanoacrylate							
85-44-9	Phthalic anhydride	None	None	None	None	None	None	310
123-31-9	Hydroquinone							
-	Ester	None	None	None	None	None	None	6,316
34590-94-8	Dipropylene glycol monomethyl ether	None	None	None	None	None	None	454
7085-85-0	Ethyl 2-cyanoacrylate							
-	Ethylene Copolymer Rubber							
67762-90-7	Treated fumed silica							
1333-86-4	Carbon black							
123-31-9	Hydroquinone	None	None	None	None	None	None	15
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							
-	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							