

Environmental Data

- [P e r i o d] • April, 2018 to March, 2019
 [A i r] • Units are as follows: NOx = ppm, PM (particulate matter) = mg/Nm³ • ND: below the minimum determination limit (not detected)
 • Values shown in the results column are averages of the results of the measurements.
 [W a t e r] • Units are all in mg/L except for pH • pH: hydrogen ion concentration • BOD: Biochemical Oxygen Demand • SS: concentration of suspended solids in water
 • ND: below the minimum determination limit (not detected) • Values shown in the results column are averages of the results of the measurements.
 [Groundwater] • Units are all in mg/L • ND: below the minimum determination limit (not detected).
 [PRTR*Data] • Units are in kg • Values less than 1kg are rounded up if ≥0.5 and down if 0.5. There are some cases in which values for total volume and volume handled are not in agreement.
 [Data for use of resources /volume emitted] • Units are: t/year for waste, t-CO₂/year for greenhouse gas and 10,000m³/year for water.

*Pollutant Release and Transfer Register (the registration system monitoring emissions of substances that pollute the environment and moves/transfers of them)

Data on Main Domestic Plants : Toyoda Gosei Co., Ltd.

Haruhi Plant

1 Haruhinagahata
Kiyosu, Aichi, Japan
452-8564

Main Products

• Functional Parts

Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
Dust	Boilers (city gas)	0.1
	Co-generation (city gas)	0.05
NOx	Boilers (city gas)	150
	Co-generation (city gas)	600

Groundwater

Item measured	Environmental Standard	Result
Trichloroethylene	0.03	ND~0.002
Cis-1,2-Dichloroethylene	0.04	ND~0.005

■ No violations of laws, etc. ■ No complaints

PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
2-Imidazolidin thionate	42	2,133	0	0	0	0	320	0	0	1,813
Thiram	268	3,218	0	0	0	0	174	0	0	3,044

Data for use of resources/volume emitted

Category	Result	
Waste	Volume generated	1,642
	Volume emitted	1,037
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	12,600
Water	Volume used	28.7

Water (Water Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.8~8.6	7.4
BOD (Biochemical Oxygen Demand)	25	5.4
SS	30	2.4
Oil content	5	ND
Total nitrogen	120	1.9
Total phosphorus	16	0.5
Thiram	0.06	ND

Morimachi Plant

1310-128
Mutsumi, Mori,
Shuchi, Shizuoka,
Japan
437-0213

Main Products

• Weatherstrips
• Functional Parts

Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
Dust	Boilers (heavy oil)	0.1
NOx	Boilers (heavy oil)	120

■ No violations of laws, etc. ■ No complaints

PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
Antimony and its compounds	31	4,094	0	0	0	0	205	41	0	3,848
2-Imidazolidin thionate	42	4,408	0	0	0	0	176	176	0	4,055
Ethylbenzene	53	8,884	5,970	0	0	0	1,102	1,386	0	426
Xylene	80	10,431	7,036	0	0	0	1,320	1,614	0	461
Disulfiram	259	2,059	0	0	0	0	111	0	0	1,948
Thiuram	268	10,503	0	0	0	0	567	0	0	9,936
Toluene	300	31,299	15,754	0	0	0	5,655	9,062	0	828
Jiram	328	4,574	0	0	0	0	183	183	0	4,208
Methylenebis (4,1-phenylene) = diisocyanate	448	2,459	0	0	0	0	246	0	0	2,213
2-Mercaptobenzothiazole	452	33,403	0	0	0	0	1,804	0	0	31,599

Data for use of resources/volume emitted

Category	Result	
Waste	Volume generated	5,765
	Volume emitted	4,456
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	22,800
Water	Volume used	15.2

Water (Water Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.8~8.6	7.5
BOD (Biochemical Oxygen Demand)	25	5.8
SS	50	4.5
Oil content	5	ND
Thiram	0.06	ND
Zinc	2	0.17

Heiwacho Plant

710 Origuchi,
Shimomiyake,
Heiwa, Inazawa,
Aichi, Japan
490-1312

Main Products

- Functional Parts
- Safety System Products
- Optoelectronic Products

■ Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result	
Dust	Boilers (heavy oil)	0.15	ND
	Boilers (city gas)	0.05	ND
	Co-generation (city gas)	0.05	ND
NOx	Boilers (heavy oil)	140	74
	Boilers (city gas)	120	38
	Co-generation (city gas)	200	140

■ No violations of laws, etc. ■ No complaints

■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	1,733
	Volume emitted	420
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	18,000
	PFC emissions	0
	HFC emissions	0
Water	Volume used	13.1

■ Water (Sewerage Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5~9	7.4
BOD (Biochemical Oxygen Demand)	600	75
SS	600	74.9
Oil content	30	3.9
Total nitrogen	240	22.2
Total phosphorus	32	2.2
Fluorine	8	0.03

Inazawa Plant

1 Komeyasakai,
Kitajima, Inazawa,
Aichi, Japan
492-8542

Main Products

- Interior and Exterior Parts

■ Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result	
NOx	Boilers (city gas)	150	43
	Co-generation (city gas)	600	185

■ Groundwater

Item measured	Environmental Standard	Result
Trichloroethylene*1	0.03	ND
Cis-1.2-Dichloroethylene*1	0.04	ND ~ 0.007

*1 Substances that have no record of being used.

■ No violations of laws, etc. ■ No complaints

■ PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
Ethylbenzene	53	2,775	1,500	0	0	0	435	194	0	645
Xylene	80	4,220	2,419	0	0	0	600	295	0	906
Chromium and trivalent chromium compounds	87	3,415	0	27	0	0	2,705	0	0	683
Hexavalent chromium compounds	88	3,415	0	0	0	0	0	0	3,415	0
Copper water-soluble salts (excluding complex salts)	272	8,170	0	82	0	0	0	0	8,088	0
Toluene	300	33,248	19,725	0	0	0	4,456	2,327	0	6,741
Nickel	308	94,111	0	0	0	0	0	0	94,111	0
Nickel compounds	309	96,727	0	19	0	0	12,555	0	0	84,152
Bis (2-ethylhexyl) phthalate	355	3,942	0	0	0	0	276	0	0	3,666
Perammonium diammonium sulfate	395	7,475	0	0	0	0	0	0	7,475	0
Boron compound	405	1,961	0	20	0	0	0	0	1,941	0

■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	4,098
	Volume emitted	1,901
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	20,200
Water	Volume used	46.8

■ Water (Water Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.8~8.6	7.2
BOD (Biochemical Oxygen Demand)	25	7.5
SS	30	1.8
Oil content	5	ND
Total nitrogen	120	23.7
Total phosphorus	16	0.78
Hexavalent chromium	0.5	ND
Total chromium	2	0.06
Copper	1	0.14
Fluorine	15	0.08
Boron	30	3

Bisai Plant

40
Higashishimoshiro,
Meichi, Ichinomiya,
Aichi, Japan
494-8502

Main Products

• Interior and Exterior Parts
• Safety System Products

■ Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
Dust	Boilers (city gas)	0.1
	Co-generation (city gas)	0.05
NOx	Boilers (city gas)	150
	Co-generation (city gas)	600

■ No violations of laws, etc. ■ No complaints

■ PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
Ethylbenzene	53	7,320	4,392	0	0	0	952	512	0	1,464
Xylene	80	8,770	5,262	0	0	0	1,140	614	0	1,754
1,3,5-Trimethylbenzene	297	1,339	804	0	0	0	174	94	0	268
Toluene	300	30,055	18,159	0	0	0	3,929	2,066	0	5,902
Methylenebis (4,1-phenylene) = diisocyanate	448	157,859	0	0	0	0	578	0	0	157,282

■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	1,431
	Volume emitted	347
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	15,500
	SF ₆ emissions	3,400
Water	Volume used	10.7

■ Water (Sewerage Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.7~8.7	7.2
BOD (Biochemical Oxygen Demand)	300	89.9
SS	300	45.8
Oil content	30	3.7

Seto Plant

141 Sosaku,
Seto, Aichi, Japan
489-0843

Main Products

• Interior and Exterior Parts

■ Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
Dust	Boilers (kerosene)	0.2
NOx	Boilers (kerosene)	150

■ No violations of laws, etc. ■ No complaints

■ PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
Xylene	80	5,653	226	0	0	0	40	22	5,303	62
1,2,4-Trimethylbenzene	296	6,168	46	0	0	0	0	0	6,122	0
Toluene	300	1,630	978	0	0	0	212	114	0	326
Methylenebis (4,1-phenylene) = diisocyanate	448	64,614	0	0	0	0	6,461	0	0	58,153

■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	791
	Volume emitted	227
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	5,400
Water	Volume used	2.8

■ Water (Water Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.8~8.6	7.3
BOD (Biochemical Oxygen Demand)	20	1.2
SS	20	0.3
Total nitrogen	10	1.8
Total phosphorus	4	0.01

Kanagawa Plant

19-5 Suzukawa,
Isehara, Kanagawa,
Japan
259-1146

Main Products

• Interior and Exterior Parts
• Functional Parts

■ No violations of laws, etc. ■ No complaints

■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	18
	Volume emitted	14
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	600
Water	Volume used	0.2

Kitakyushu Plant

1-2 Kitahoraoka
Maeda, Yahata-higashi, Kitakyushu, Fukuoka, Japan
805-0058

Main Products

- Interior and Exterior Parts
- Weatherstrips
- Functional Parts
- Safety System Products

■ No violations of laws, etc. ■ No complaints

■ PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
Ethylbenzene	53	1,838	1,103	0	0	0	238	128	0	368
Xylene	80	2,561	1,247	0	0	0	310	649	0	355
Chromium and trivalent chromium compounds	87	3,484	0	0	0	0	2,787	0	0	697
Hexavalent chromium compounds	88	3,483	0	0	0	0	0	0	3,483	0
Toluene	300	20,635	9,802	0	0	0	2,482	5,627	0	2,723
Nickel	308	36,563	0	0	0	0	0	0	36,563	0
Nickel compounds	309	36,563	0	0	0	0	4,753	0	0	31,810

■ Data for use of resources / volume emitted

Category		Result
Waste	Volume generated	2,497
	Volume emitted	1,842
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	8,200
Water	Volume used	2.8

Fukuoka Plant

2223-1 Kurahisa, Miyawaka, Fukuoka, Japan
823-0017

Main Products

- Interior and Exterior Parts

■ No violations of laws, etc. ■ No complaints

■ Water (Water Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.8~8.6	7.6
BOD (Biochemical Oxygen Demand)	10	0.3
SS	25	0.3
Oil content	2	ND

■ PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
Ethylbenzene	53	7,345	4,407	0	0	0	955	514	0	1,469
Xylene	80	9,089	5,453	0	0	0	1,182	636	0	1,818
Toluene	300	18,229	10,937	0	0	0	2,370	1,276	0	3,646

■ Data for use of resources / volume emitted

Category		Result
Waste	Volume generated	1,570
	Volume emitted	254
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	4,900
Water	Volume used	2.1

Saga Plant

9966-9 Kawako, Wakaki, Takeo, Saga, Japan
843-0151

Main Products

- Interior and Exterior Parts
- Safety System Products

■ Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
Dust Boilers (city gas)	0.1	ND
NOx Boilers (city gas)	150	36

■ Water (Water Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.8~8.6	7.1
BOD (Biochemical Oxygen Demand)	20	1.2
SS	50	1.1
Oil content	5	0.5

■ No violations of laws, etc. ■ No complaints

■ Data for use of resources / volume emitted

Category		Result
Waste	Volume generated	35
	Volume emitted	16
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	3,500
	PFC emissions	0
Water	Volume used	2.2