Environmental Data

【Period】 • April, 2022 to March, 2023
【Air】 • 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.
【Water】 • 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-CO_2/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	ND
	Co-generation (city gas)	0.05	ND
NOx	Boilers (city gas)	150	46.7
	Co-generation (city gas)	600	145

■ Groundwater

Item measured	Environmental standard	Result
Trichloroethylene	0.03	ND
Cis-1,2-Dichloroethylene	0.04	ND～0.01

■ 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	4.1
SS	30	2.3
Oil content	5	ND
Total nitrogen	120	2.5
Total phosphorus	16	0.5
Thiram	0.06	ND

■ 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			
Methyl acrylate	8	2,608	0	0	0	0	391	0	0	2,217
2-Imidazolidinethione	42	1,117	0	0	0	0	168	0	0	950
Tetramethylthiuram disulfide	268	2,336	0	0	0	0	126	0	0	2,210
Toluene	300	1,181	787	0	0	0	179	214	0	0
Tritolyl phosphate	460	1,089	0	0	0	0	163	0	0	926

■ Data for use of resources/volume emitted

Category		Result
Waste	Volume generated	1,289
	Volume emitted	580
	Final volume disposed	0
Greenhouse gas	CO_2 emissions	11,794
Water	Volume used	18.8

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 (LNG)	0.1	ND
NOx	Boilers (LNG)	120	18

■ 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	4.4
SS	50	5.8
Oil content	5	ND
Thiram	0.06	ND
Zinc	2	0.14

■ 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	7,722	0	0	0	0	386	77	0	7,259
2-Imidazolidinethione	42	3,530	0	0	0	0	141	141	0	3,248
Ethylbenzene	53	4,577	3,076	0	0	0	568	714	0	220
Xylene	80	5,343	3,606	0	0	0	678	826	0	233
Tetraethylthiuram disulfide	259	1,069	0	0	0	0	58	0	0	1,011
Tetramethylthiuram disulfide	268	5,844	0	0	0	0	316	0	0	5,529
Sodium dodecyl sulfate	275	1,900	0	0	0	0	103	0	0	1,797
Toluene	300	24,157	11,077	0	0	0	4,949	7,645	0	486
Zinc bis (N,N'-dimethyldithiocarbamate)	328	2,198	0	0	0	0	88	88	0	2,022
Methylenebis (4,1-phenylene) diisocyanate	448	3,330	0	0	0	0	37	0	0	3,293
2-Mercaptobenzothiazole	452	20,434	0	0	0	0	1,103	0	0	19,330

■ Data for use of resources/volume emitted

Category		Result
Waste	Volume generated	3,816
	Volume emitted	2,376
	Final volume disposed	0
Greenhouse gas	CO_2 emissions	21,037
Water	Volume used	11.8

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 (city gas)	0.05	ND
NOx	Boilers (city gas)	120	29

■ No violations of laws, etc. ■ No complaints

■ Data for use of resources / volume emitted

Category		Result
Waste	Volume generated	1,841
	Volume emitted	273
	Final volume disposed	0
Greenhouse gas	CO_2 emissions	16,660
	PFC emissions	190
	HFC emissions	92
Water	Volume used	9

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

Item measured	Regulation value	Result
pH	5~9	7.3
BOD (Biochemical Oxygen Demand)	600	56
SS	600	37.1
Oil content	30	3.4
Total nitrogen	240	20.2
Total phosphorus	32	1.8
Fluorine	8	0.1

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	48

■ Groundwater

Item measured	Environmental standand	Result
Trichloroethylene*1	0.03	ND
Cis-1.2-Dichloroethylene*1	0.04	ND

*1 Substances that have no record of being used.

■ 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
BOD (Biochemical Oxygen Demand)	25	6.3
SS	30	1.6
Oil content	5	ND
Total nitrogen	120	24.9
Total phosphorus	16	1
Hexavalent chromium	0.5	ND
Total chromium	2	0.02
Copper	1	0.16
Fluorine	15	0.09
Boron	30	3

■ 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	3,598	1,939	0	0	0	568	252	0	840
Xylene	80	4,366	2,466	0	0	0	637	306	0	957
Chromium and chromium(III) compounds	87	3,470	0	28	0	0	2,748	0	0	694
Chromium (VI) compounds	88	3,392	0	0	0	0	0	0	3,392	0
Copper salts (water-soluble, except complex salts)	272	5,155	0	52	0	0	0	0	5,104	0
1,2,4-Trimethylbenzene	296	13,603	7,687	0	0	0	1,706	1,695	0	2,514
1,3,5-Trimethylbenzene	297	3,548	2,129	0	0	0	461	248	0	710
Toluene	300	25,969	15,385	0	0	0	3,465	1,818	0	5,301
Nickel	308	77,944	0	0	0	0	0	0	77,944	0
Nickel compounds	309	80,920	0	16	0	0	10,503	0	0	70,400
Water-soluble salts of peroxodisulfuric acid	395	43,395	0	0	0	0	0	0	43,395	0
Boron compounds	405	1,537	0	15	0	0	0	0	1,521	0

■ Data for use of resources/volume emitted

Category		Result
Waste	Volume generated	2,658
	Volume emitted	997
	Final volume disposed	0
Greenhouse gas	CO_2 emissions	17,117
Water	Volume used	42.1

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	ND
	Co-generation (city gas)	0.05	ND
NOx	Boilers (city gas)	150	31
	Co-generation (city gas)	600	100

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

Item measured	Regulation value	Result
pH	5.7～8.7	7.2
BOD (Biochemical Oxygen Demand)	300	43.3
SS	300	32.6
Oil content	30	2

■ 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	6,453	3,872	0	0	0	839	452	0	1,291
Xylene	80	7,229	4,337	0	0	0	940	506	0	1,446
1,2,4-Trimethylbenzene	296	1,558	935	0	0	0	202	109	0	312
1,3,5-Trimethylbenzene	297	1,057	634	0	0	0	137	74	0	211
Toluene	300	36,693	22,073	0	0	0	4,780	2,551	0	7,289
Methylenebis (4,1-phenylene) diisocyanate	448	92,250	0	0	0	0	1,015	0	0	91,235

■ Data for use of resources/volume emitted

Category		Result
Waste	Volume generated	925
	Volume emitted	234
	Final volume disposed	0
Greenhouse gas	CO_2 emissions	15,312
Water	Volume used	7.1

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 (LNG)	0.1	ND
NOx	Co-generation (LNG)	150	30

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

Item measured	Regulation value	Result
pH	5.8～8.6	7.36
BOD (Biochemical Oxygen Demand)	20	0.8
SS	20	0
Total nitrogen	10	1.1
Total phosphorus	4	0

■ No violations of laws, etc. ■ No complaints

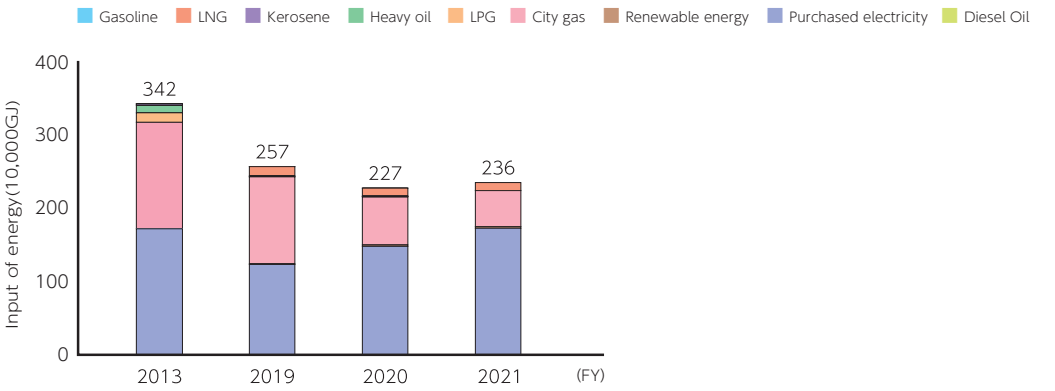
■ PRTR Data

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			
1,2,4-Trimethylbenzene	296	2,700	1,620	0	0	0	351	189	0	540
Toluene	300	2,911	1,747	0	0	0	378	204	0	582
N-hexane	392	2,212	1,748	0	0	0	288	44	0	133
Methylenebis (4,1-phenylene) diisocyanate	448	17,748	0	0	0	0	1,775	0	0	15,973

■ Data for use of resources/volume emitted

Category		Result
Waste	Volume generated	363
	Volume emitted	150
	Final volume disposed	0
Greenhouse gas	CO_2 emissions	4,042
Water	Volume used	2.2

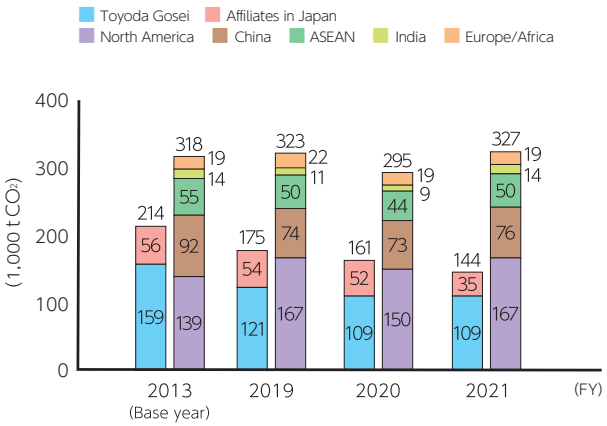
Input of energy : Toyoda Gosei Co., Ltd.



Data on CO_2 Emissions

These data may differ in parts from the data in the Toyoda Gosei Report, as they include data from a larger number of companies

Data on CO2 Emissions(Scope1, 2)



CO_2 emissions factors in Japan

Emission factor by electric power company (for the calculation of greenhouse gas emissions of specified emitters)—2018 results
January 7, 2020 Ministry of the Environment announcement: Adjusted emissions factors "CO_2 emissions factors by menu (residual error)"
List of calculation methods/emissions factors in calculations, reports, public announcements
City gas is data published by companies

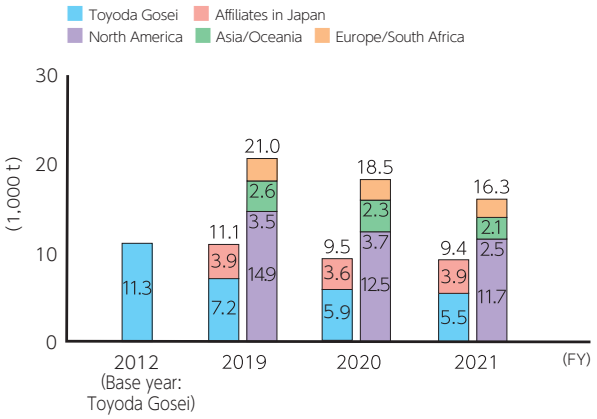
CO_2 emissions factors in other countries

"CO_2 Emissions from Fuel Combustion," 2018 edition, IEA, Paris, France (used in 2016 conversion factor)
2017 Annual Emission Reduction Project China Regional Grid Baseline Emission Factors (average of EFgrid, OM, y and EFgrid, BM, y)
Data published by power companies
IPCC 2006, 2006 IPCC Guidelines for National Greenhouse Gas Inventories, Prepared by the National Gas Inventories Programme, Eggleston H.S., Buendia L., Miwa K., Ngara T. and Tanabe K. (eds).
Published: IGES, Japan.

Data on Waste Volume and Water Use

These data may differ in parts from the data in the Toyoda Gosei Report, as they include data from a larger number of companies

Waste volume



Water use