

Environmental Data

- [P e r i o d] • April, 2019 to March, 2020
 [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	1,899	0	0	0	0	285	0	0	1,614
Thiram	268	2,960	0	0	0	0	160	0	0	2,800

Data for use of resources/volume emitted

Category	Result	
Waste	Volume generated	1,489
	Volume emitted	674
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	12,200
Water	Volume used	29.0

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	6.3
SS	30	3.1
Oil content	5	ND
Total nitrogen	120	2.4
Total phosphorus	16	0.7
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	4,406	0	0	0	0	220	44	0	4,142
2-Imidazolidin thionate	42	3,818	0	0	0	0	153	153	0	3,513
Ethylbenzene	53	7,102	4,773	0	0	0	881	1,108	0	341
Xylene	80	8,399	5,669	0	0	0	1,067	1,297	0	365
Disulfiram	259	1,861	0	0	0	0	101	0	0	1,761
Thiuram	268	8,722	0	0	0	0	471	0	0	8,251
Toluene	300	30,023	14,676	0	0	0	5,652	8,962	0	733
Jiram	328	4,198	0	0	0	0	168	168	0	3,862
Methylenebis (4,1-phenylene) = diisocyanate	448	5,086	0	0	0	0	509	0	0	4,577
2-Mercaptobenzothiazole	452	30,769	0	0	0	0	1,662	0	0	29,108

Data for use of resources/volume emitted

Category	Result	
Waste	Volume generated	5,459
	Volume emitted	3,852
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	21,500
Water	Volume used	13.7

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	5.3
SS	50	4.2
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
	Boilers (city gas)	0.05
	Co-generation (city gas)	0.05
NOx	Boilers (heavy oil)	140
	Boilers (city gas)	120
	Co-generation (city gas)	200

■ 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			
Methylnaphthalene	438	1,010	5	0	0	0	0	0	1,005	0

■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	1,848
	Volume emitted	349
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	17,900
	PFC emissions	200
	HFC emissions	40
Water	Volume used	11.5

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

Item measured	Regulation value	Result
pH	5~9	7.4
BOD (Biochemical Oxygen Demand)	600	76
SS	600	65.6
Oil content	30	4.2
Total nitrogen	240	18.9
Total phosphorus	32	1.8
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
	Co-generation (city gas)	600

■ 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	4,384	2,269	0	0	0	734	307	0	1,074
Xylene	80	5,804	3,232	0	0	0	869	406	0	1,298
Chromium and trivalent chromium compounds	87	1,828	0	15	0	0	1,448	0	0	366
Hexavalent chromium compounds	88	1,828	0	0	0	0	0	0	1,828	0
Copper water-soluble salts (excluding complex salts)	272	5,880	0	59	0	0	0	0	5,821	0
Toluene	300	34,104	20,068	0	0	0	4,632	2,387	0	7,018
Nickel	308	77,345	0	0	0	0	0	0	77,395	0
Nickel compounds	309	79,324	0	16	0	0	10,296	0	0	69,012
Bis (2-ethylhexyl) phthalate	355	3,286	0	0	0	0	230	0	0	3,056
Perammonium diammonium sulfate	395	4,950	0	0	0	0	0	0	4,950	0
Boron compound	405	1,365	0	14	0	0	1,351	0	0	0

■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	3,078
	Volume emitted	1,186
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	17,700
Water	Volume used	46.3

■ 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	8.2
SS	30	1.4
Oil content	5	ND
Total nitrogen	120	25.3
Total phosphorus	16	0.75
Hexavalent chromium	0.5	ND
Total chromium	2	0.07
Copper	1	0.14
Fluorine	15	0.10
Boron	30	4

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

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

Item measured	Regulation value	Result
pH	5.7~8.7	7.2
BOD (Biochemical Oxygen Demand)	300	46.1
SS	300	50.9
Oil content	30	1.6

■ 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	10,506	6,304	0	0	0	1,366	735	0	2,101
Xylene	80	12,688	7,613	0	0	0	1,649	888	0	2,538
1,3,5-Trimethylbenzene	297	1,886	1,132	0	0	0	245	132	0	377
Toluene	300	39,350	23,722	0	0	0	5,135	2,720	0	7,773
Methylenebis (4,1-phenylene) = diisocyanate	448	137,926	0	0	0	0	1,584	0	0	136,342

■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	1,169
	Volume emitted	343
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	15,400
	SF ₆ emissions	0
Water	Volume used	10.2

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

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

Item measured	Regulation value	Result
pH	5.8~8.6	7.2
BOD (Biochemical Oxygen Demand)	20	0.3
SS	20	0.1
Total nitrogen	10	0.6
Total phosphorus	4	0.01

■ 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			
Toluene	300	1,822	1,093	0	0	0	237	128	0	364
Methylenebis (4,1-phenylene) = diisocyanate	448	58,729	0	0	0	0	5,873	0	0	52,856

■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	704
	Volume emitted	361
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	4,600
Water	Volume used	1.7

Kanagawa Plant

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

Main Products

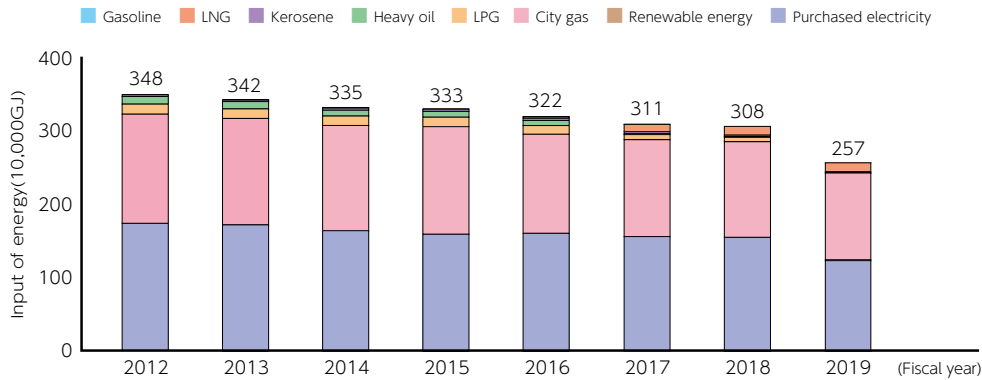
- Interior and Exterior Parts
- Functional Parts

■ No violations of laws, etc. ■ No complaints

■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	16
	Volume emitted	11
	Final volume disposed	0
Greenhouse gas	CO ₂ emissions	590
Water	Volume used	0.2

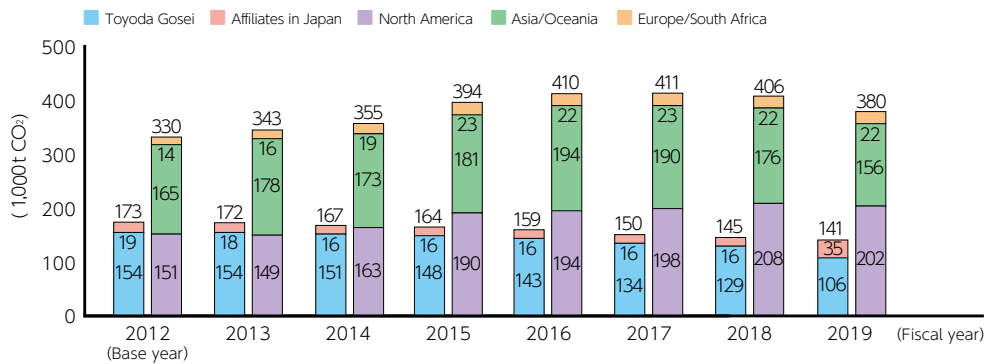
Input of energy : Toyoda Gosei Co., Ltd.



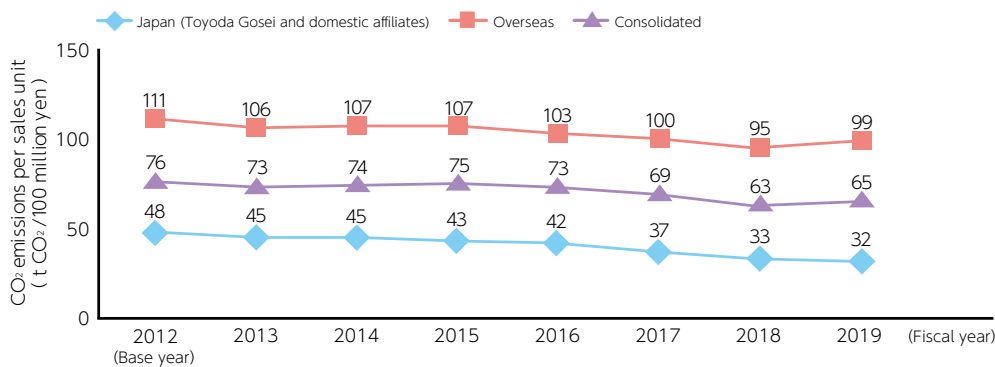
Data on CO₂ Emissions

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

CO₂ emissions / CO₂ emissions per sales unit trends (attributable to energy)



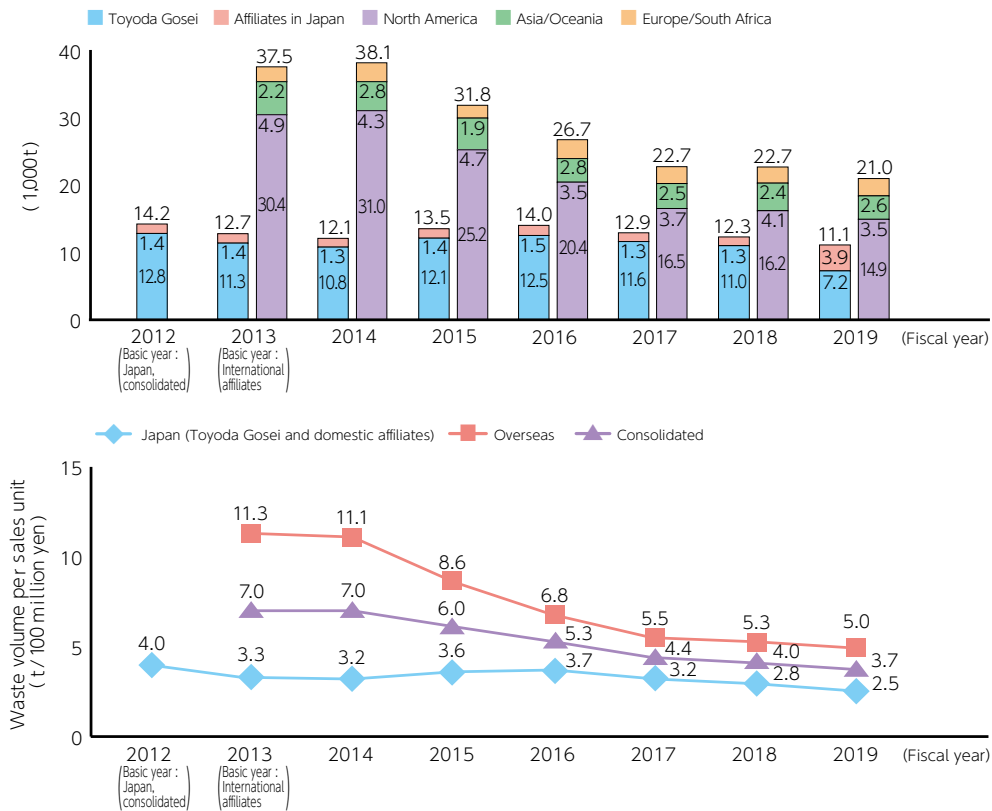
• CO₂ conversion calculation: International locations GHG Protocol (2001)
Locations in Japan: 1990 Keidanren factor fixed value



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 / Waste volume per sales unit trends



Water use / Water use per sales unit trends

