

Environmental Data for Principal Companies in 2018*¹

Company/Location	Business	Input		Outputs			
		Use of Water Resources	Volume of Waste Generated	Recycling Rate	Emissions of PRTR Substances* ²	Greenhouse Gas Emissions* ³	
		Thousand m ³	Thousand t	%	t	Scope 1&2 Thousand t-CO ₂	Scope 3* ⁴ Thousand t-CO ₂
Nisshinbo Holdings Inc./Tokyo, other	Holding company	17	0.1	98	0.0	4.1	54.1
Japan Radio Co., Ltd./Tokyo, other	Electronics	17	0.5	97	0.0	5.2	66.6
Japan Radio Glass Co., Ltd./Saitama	Glass products	9	0.3	100	0.0	5.5	0.9
New Japan Radio Co., Ltd./Tokyo, other	Electronic devices	509	0.2	100	0.0	32.2	13.6
Ricoh Electronic Devices Co., Ltd./Osaka, other	Electronic devices	140	0.6	100	0.0	52.2	6.7
SAGA ELECTRONICS Co., LTD./Tokyo, other	Electronic devices	100	0.1	100	0.0	8.1	0.8
THAI NJR CO., LTD./Thailand	Electronic devices	147	0.3	66	0.0	11.0	1.7
NJR FUKUOKA CO., LTD./Fukuoka	Electronic devices	138	0.3	100	0.0	28.7	1.6
Nisshinbo Brake Inc./Tokyo, other	Automobile brakes	72	1.8	100	0.1	16.9	20.8
TMD Friction Group S.A./Luxembourg, other	Automobile brakes	150	20.3	63	0.0	99.7	402.8
Nisshinbo Automotive Manufacturing Inc./United States	Automobile brakes	22	2.1	49	0.0	14.3	19.1
Nisshinbo Somboon Automotive Co., Ltd./Thailand	Automobile brakes	59	1.0	38	0.0	5.8	18.1
Saeron Automotive Corporation/South Korea	Automobile brakes	60	1.4	47	3.3	18.1	54.9
Saeron Automotive (Beijing) Co., Ltd./China	Automobile brakes	39	0.7	87	0.2	10.6	16.1
Nisshinbo Saeron (Changshu) Automotive Co., Ltd./China	Automobile brakes	17	0.2	75	0.0	4.3	8.9
Nisshinbo Mechatronics Inc./Tokyo, other	Precision instruments	359	1.3	94	2.5	9.5	213.2
Nanbu Plastics Co., Ltd./Shizuoka, other	Precision instruments	340	2.2	92	12.2	15.9	21.5
Kyushu Nanbu Plastics Co., Ltd./Oita, other	Precision instruments	34	0.7	93	3.8	3.9	2.6
PT. Nanbu Plastics Indonesia/Indonesia	Precision instruments	22	0.2	95	0.0	5.5	2.7
Nisshinbo Mechatronics (Thailand) Ltd./Thailand	Precision instruments	44	1.2	96	0.0	7.6	15.9
Nisshinbo-Continental Precision Machining (Yangzhou) Co., Ltd./China	Precision instruments	66	3.1	81	0.0	8.6	38.7
Nisshinbo Chemical Inc./Tokyo, other	Chemicals	90	0.5	95	0.1	11.0	28.3
Nisshinbo Textile Inc./Tokyo, other	Textiles	4,213	0.6	95	0.0	11.2	24.6
Nisshinbo Do Brasil Industria Textil LTDA./Brazil	Textiles	69	3.0	99	0.0	25.9	18.5
PT. Nikawa Textile Industry/Indonesia	Textiles	492	6.9	98	0.0	146.7	47.7
PT. Nisshinbo Indonesia/Indonesia	Textiles	689	4.3	78	0.0	25.0	37.0
Totals for 26 principal companies		7,914	53.9	77	22.4	587.3	1,137.4
Totals for others		381	3.7	88	4.5	24.2	261.2
Nisshinbo Group Grand Total		8,295	57.7	78	26.9	611.5	1,398.7

Following the approval of the "Partial Change of the Articles of Incorporation" at the 175th General Meeting of Shareholders held on June 28, 2018, the Company changed the fiscal year-end from March 31 to December 31, starting in the fiscal year that ended in December 2018. As a result, the consolidated fiscal year ended in December 2018 was a transitional period with an irregular fiscal year adjusted for changes in the fiscal periods of the Company and consolidated subsidiaries as follows: the Company and consolidated subsidiaries switching from fiscal years ending in March (nine-month consolidation from April 1, 2018 to December 31, 2018); consolidated subsidiaries switching from fiscal years ending in February (10-month consolidation from March 1, 2018 to December 31, 2018), and consolidated subsidiaries with fiscal years ending in December (12-month consolidation from January 1, 2018 to December 31, 2018).

*1 The 26 target companies were identified as those that emitted 3.75 thousand t-CO₂ or more greenhouse gases (Scope 1&2).

*2 PRTR Substances: Substances subject to the Pollutant Release and Transfer Register (PRTR) system pursuant to the "Act on the Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof" and reports of their amounts of release and transfer must be filed.

*3 The CO₂ emission conversion factor used for electric power is 0.512 t-CO₂/MWh.

*4 Scope 3 figures are from calculation of all of the categories summarized below. Calculations are based on the Basic Guidelines Related to Calculating Greenhouse Gas Emissions throughout the Supply Chain (Ver. 2.6), Ministry of the Environment. Some information is taken from LCA results.

Scope 3 Detailed emission data by category

Category	Category Name	Amount Released (Thousand t-CO ₂)	Ratio (%)
1	Purchased goods and services	903.0	64.6
2	Capital goods	88.1	6.3
3	Fuel- and energy-related activities not included in Scope 1 or Scope 2	40.9	2.9
4	Upstream transport and delivery	32.8	2.3
5	Waste generated in operations	3.3	0.2
6	Business travel	3.6	0.3
7	Employee commuting	12.1	0.9
8	Leased assets (upstream)	0.2	0.0
9	Downstream transportation and delivery	5.9	0.4
10	Processing of sold products	30.9	2.2
11	Use of sold products	197.4	14.1
12	End-of-life treatment of sold products	23.8	1.7
13	Downstream Leased Assets	24.3	1.7
14	Franchises	0.0	0.0
15	Investments	32.3	2.3
Total		1398.7	100.0