

Environmental Data for Principal Companies in 2022*1

Company / Location	Business	Outputs					
		Input	Volume of Waste Generated	Recycling Rate	Emissions of PRTR Substances*2	Greenhouse Gas Emissions*3	
		Use of Water Resources				Thousand t	%
Thousand m ³	Thousand t			Thousand t-CO ₂	Thousand t-CO ₂		
Nisshinbo Holdings Inc. / Tokyo, other	Holding company	15	0.1	98	0.0	3.8	38.7
Japan Radio Co., Ltd. / Tokyo, other	Wireless and Communications	38	1.1	96	0.0	5.8	157.3
Japan Radio Glass Co., Ltd. / Saitama	Glass products	14	0.5	99	0.0	4.9	8.9
NJ Components Co., Ltd. / Tokyo, other	Electrical and Electronics	32	0.2	100	0.0	4.5	1.4
Nisshinbo Micro Devices Inc. / Tokyo, other	Micro Devices	770	0.8	100	0.0	97.5	28.1
Nisshinbo Micro Devices AT Co., Ltd. / Saga	Micro Devices	145	0.1	98	0.0	11.1	2.4
Nisshinbo Micro Devices (Thailand) Co., Ltd. / Thailand	Micro Devices	156	0.4	78	0.0	11.1	14.7
Nisshinbo Micro Devices Fukuoka Co., Ltd. / Fukuoka	Micro Devices	183	0.3	100	0.0	30.4	3.2
Nisshinbo Brake Inc. / Tokyo, other	Automobile Brakes	84	1.5	100	0.1	15.8	39.4
TMD Friction Group S.A. / Luxembourg, other	Automobile Brakes	88	20.2	74	1.6	42.5	415.4
Nisshinbo Somboon Automotive Co., Ltd. / Thailand	Automobile Brakes	14	0.6	98	0.1	5.7	15.8
Saeron Automotive Corporation / Republic of Korea	Automobile Brakes	59	1.1	67	2.0	16.3	48.2
Nisshinbo Automotive Manufacturing Inc. / the United States	Automobile Brakes	28	1.1	15	0.1	10.6	25.9
Saeron Automotive (Beijing) Co., Ltd. / China	Automobile Brakes	21	0.2	81	0.0	5.2	4.0
Nisshinbo Saeron (Changshu) Automotive Co., Ltd. / China	Automobile Brakes	22	0.7	49	0.0	11.0	17.4
Saeron Automotive Yantai Co., Ltd. / China	Automobile Brakes	16	0.2	92	0.6	5.7	10.9
Nisshinbo Mechatronics Inc. / Tokyo, other	Precision Instruments	37	0.6	99	5.4	3.7	218.8
Nanbu Plastics Co., Ltd. / Shizuoka, other	Precision Instruments	393	1.4	97	2.6	11.4	27.0
Nisshinbo Mechatronics (Thailand) Ltd. / Thailand	Precision Instruments	43	1.6	96	0.1	9.3	13.9
Nisshinbo-Continental Precision Machining (Yangzhou) Co., Ltd. / China	Precision Instruments	72	4.8	91	0.0	24.7	67.1
Toms Manufacturing Corporation / Philippines	Precision Instruments	30	0.4	97	1.8	4.3	2.4
Nisshinbo Chemical Inc. / Tokyo, other	Chemicals	106	0.3	91	0.1	7.2	39.6
Nisshinbo Textile Inc. / Tokyo, other	Textiles	2,495	0.2	97	0.0	9.0	14.8
PT. Nikawa Textile Industry / Indonesia	Textiles	169	2.5	91	0.0	36.1	56.6
PT. Nisshinbo Indonesia / Indonesia	Textiles	537	4.0	97	0.7	24.5	29.5
	Total for 25 principal companies	5,565	44.8	87	15.2	412.4	1,301.4
	Total for others	611	6.9	92	6.0	25.6	303.1
	Nisshinbo Group Grand Total	6,176	51.7	84	21.2	438.0	1,604.5

*1 The above companies are identified as those that emitted 3.5 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 Greenhouse Gas Emissions

• Scope1:

Energy related Greenhouse Gas Emissions = Σ [Fuel Consumption × CO₂ Emission Factor*3-1]

Non-Energy related Greenhouse Gas Emissions = Non-Energy related CO₂ Emissions +

Σ [Greenhouse Gas Emissions other than CO₂ × Global Warming Potential*3-2]

*3-1 Emission factors based on the Act on Promotion of Global Warming Countermeasures are used. Coal, however, uses a factor calculated based on actual calorific values is used, and 1.896 t-CO₂/t is used for FY2022.

*3-2 Global warming potential based on the Act on Promotion of Global Warming Countermeasures.

• Scope2:

Energy-related Greenhouse Gas Emissions

= Σ [Purchased Electricity and Purchased Steam Volume × CO₂ Emission Factor*3-3]

*3-3 Purchased electricity uses, in Japan, adjusted emission factors for each electric company based on the Act on Promotion of Global Warming Countermeasures, and the in foreign countries, the emission factors for each electric company, and if unavailable, the latest country-specific emission factors of IEA Emissions Factors. Data for FY2021 and earlier use country-specific emission factors for each year from "IEA Emissions Factors 2021". Purchased steam uses emission factors based on the Act on Promotion of Global Warming Countermeasures.

*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. 2.5), 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	1,031.3	64.3
2	Capital goods	91.6	5.7
3	Fuel- and energy-related activities not included in Scope 1 or Scope 2	65.3	4.1
4	Upstream transport and delivery	41.4	2.6
5	Waste generated in operations	6.9	0.4
6	Business travel	3.4	0.2
7	Employee commuting	11.0	0.7
8	Leased assets (upstream)	2.9	0.2
9	Downstream transportation and delivery	44.5	2.8
10	Processing of sold products	25.0	1.6
11	Use of sold products	205.3	12.8
12	End-of-life treatment of sold products	36.7	2.3
13	Downstream Leased Assets	15.9	1.0
14	Franchises	0.0	0.0
15	Investments	23.4	1.5
	Total	1,604.5	100.0