Environmental Activities: Supplementary Data

Environmental Performance

Sumitomo Chemical collates and totals environmental data for the Company and Group companies in Japan and overseas, including data on energy and resource consumption, production quantities, and environmental impact (e.g., release of pollutants into the air and water).

FY2024 Environmental Performance

INPUT Energy and Resources

Water

(Million tons)

	Sumitomo Chemical and Group Companies in Japan			Sumitomo Chemical
	FY2022	FY2023	**FY2024**	**FY2024**
Industrial water	69.5	68.7	**72.3**	69.4
Drinking water	0.8	0.8	**0.8**	0.5
Seawater	763	606.6	**740.5**	152.6
Groundwater	26.3	22.2	**19.9**	17.5
Other water	2.5	2.3	**0.5**	0.5
Total	863	701	**833.8**	240.6

Energy

Calculated as kl of crude oil

(Thousand kl)

	Sumitomo Chemical and Group Companies in Japan			Sumitomo Chemical
	FY2022	FY2023	**FY2024**	**FY2024**
Fuel, heat, and electricity*1	1,634	1,437	**1,541**	905

Exhaustible Resources

(Thousand tons)

	Sumitomo Chemical and Group Companies in Japan			Sumitomo Chemical
	FY2022	FY2023	**FY2024**	**FY2024**
Hydrocarbon compounds	1,684	1,451	**1,406**	1,178
Metals (excluding minor metals)*2	104	85	**93**	89
Minor metals*3	16.2	15.0	**14.3**	0.1

PCB/CFCs under Secure Storage

	Sumitomo Chemical and Group Companies in Japan			Sumitomo Chemical
	FY2022	FY2023	**FY2024**	**FY2024**
No. of electrical devices containing high concentration of PCBs*4	0	0	**25**	0
PCB volume (pure equivalent) (kl)*4	0	0	**0**	0
No. of refrigeration units using specified CFCs as a coolant	20	24	**9**	3
No. of refrigeration units using HCFCs as a coolant	277	214	**147**	35

Note: The number of companies included in the boundary of calculation for the environmental performance data on pages 1-2 is as follows for each year.
FY2022: Sumitomo Chemical and Group companies in Japan: 22 companies
FY2023: Sumitomo Chemical and Group companies in Japan: 23 companies
FY2024: Sumitomo Chemical and Group companies in Japan: 21 companies

*1 • The energy (calculated as kl of crude oil) indices are calculated with reference to the GHG Protocol (refer to "Calculation Standards for Environmental and Social Data Indicators") and were calculated for major domestic consolidated Group companies, which account for up to 99.8% of net sales.
• Having adopted the GHG Protocol standards for our GHG emission disclosures, we now include the following data that was not included in previous calculations: amount of energy used to produce electricity and steam sold to external parties by the Group and the resultant CO_2 emissions; amount of energy used by Sumitomo Chemical and Group companies in Japan non-production sites and the resultant CO_2 emissions; CO_2 emissions from non-energy sources not included in the scope of the Act on Promotion of Global Warming Countermeasures.

*2 Calculations include the following 12 metals: iron, gold, silver, copper, zinc, aluminum, lead, platinum, titanium, palladium, gallium, and lithium.

*3 Calculations include the following seven minor metals: nickel, chromium, tungsten, cobalt, molybdenum, manganese, and vanadium. The supply structure for each of these minor metals is extremely fragile. These minor metals are subject to national stockpiling.

*4 Fluorescent lamps and mercury lamp ballast as well as contaminated substances (wastepaper, etc.), including PCB waste, are not included in unit and volume data.

OUTPUT Product Manufacturing and Environmental Impact

Products

(Thousand tons)

	Sumitomo Chemical and Group Companies in Japan			Sumitomo Chemical
	FY2022	FY2023	FY2024	FY2024
(Calculated on the basis of ethylene production)*1	2,413	1,963	2,143	1,140

Water Pollutant Emissions

(Tons)

		Sumitomo Chemical and Group Companies in Japan			Sumitomo Chemical
		FY2022	FY2023	FY2024	FY2024
COD	Coastal waters/ waterways	825.0	641.0	590.9	547.9
	Sewer systems	175.0	137.3	149.6	75.7
Phosphorus	Coastal waters/ waterways	32.0	24.9	27.1	25.2
	Sewer systems	6.1	5.0	5.2	3.7
Nitrogen	Coastal waters/ waterways	1,236.0	1,056.7	1,091.0	1,049.1
	Sewer systems	47.8	27.2	34.1	19.5
Substances subject to the PRTR Act		13.3	97.3	54.0	51.8

Water Discharge

(Million tons)

	Sumitomo Chemical and Group Companies in Japan			Sumitomo Chemical
	FY2022	FY2023	FY2024	FY2024
Total amount of water discharge	809	658	801	205

Note: Includes seawater emissions of Sumitomo Joint Electric Power Co., Ltd.

Waste Materials

(Thousand tons)

	Sumitomo Chemical and Group Companies in Japan			Sumitomo Chemical
	FY2022	FY2023	FY2024	FY2024
Outsourced waste processing*2	232	157	187	40
Landfill*2	22	15	20	1
(Breakdown)				
On-site landfill	0	0	0	0
External landfill	22	15	20	1

Atmospheric Emissions

(Thousand tons of CO_2e)

		Sumitomo Chemical and Group Companies in Japan			Sumitomo Chemical
		FY2022	FY2023	FY2024	FY2024
Greenhouse gases (seven gases)*3		5,418	4,119	4,650	2,529
CO_2	(Energy sources)	4,639	3,661	4,164	2,135
	(From other than energy use)	633	382	407	377
CH_4		6	—	—	—
N_2O		137	75	77	16
HFC, PFC, SF_6, NF_3		3	1	2	1

Others

(Tons)

	Sumitomo Chemical and Group Companies in Japan			Sumitomo Chemical
	FY2022	FY2023	FY2024	FY2024
NOx	3,783	2,597	2,074	1,099
SOx	3,098	1,958	1,200	142
Soot and dust	167	127	102	55
Substances subject to the PRTR Act*4	404	577	485	394

Note: The number of companies included in the boundary of calculation for the environmental performance data on pages 1-2 is as follows for each year.
FY2022: Sumitomo Chemical and Group companies in Japan: 22 companies
FY2023: Sumitomo Chemical and Group companies in Japan: 23 companies
FY2024: Sumitomo Chemical and Group companies in Japan: 20 companies

*1 Certain assumptions were made in calculations due to the difficulty of obtaining weight-based figures for some products.

*2 The amount of coal ash generated at Sumitomo Joint Electric Power, which is included in "Waste emissions" and "Landfill" (Sumitomo Chemical and Group companies in Japan) is calculated on a dry-weight basis.

*3 From fiscal 2017, Greenhouse gases (seven gases) indices are calculated with reference to the GHG Protocol (refer to "Calculation Standards for Environmental and Social Data Indicators"), and include major domestic consolidated group companies accounting for 99.8% of sales.

*4 Calculated based on the amount released into water/the air of each substance subject to the PRTR Act.

Compliance with Environmental Laws and Regulations

(Yen)

	FY2022	FY2023	FY2024
Total fines	0	0	0

Note: **Sumitomo Chemical and our 20 Group companies in Japan, making a total of 21 companies, are included in the boundary of calculation**
Sumika-Kakoushi Co., Ltd.; Sumika Plastech Co., Ltd.; Nippon A&L Inc.; Asahi Chemical Co., Ltd.; Ceratec Co., Ltd.; Sumika Assembly Techno Co., Ltd.; Sumika Agro Manufacturing Co., Ltd.; SC Environmental Science Co., Ltd.; Sumika Agrotech Co., Ltd.; Sumika Polycarbonate Ltd.; Nihon Medi-Physics Co., Ltd.; Sumitomo Joint Electric Power Co., Ltd.; Koei Chemical Co., Ltd.; Taoka Chemical Co., Ltd.;Tanaka Chemical Corporation; Sumitomo Pharma Co.,Ltd.; SN Kasei Co., Ltd.; Sanritz Corporation; Sumika Kowa Tech Co., Ltd.; Sumika High-Purity Gas Co., Ltd.

Evaluation of Environmental Protection Costs and Economic Effects through Environmental Accounting

Sumitomo Chemical continuously gathers and evaluates data on environmental protection-related expenses, investments, and economic results in line with the Company's environmental accounting system introduced in fiscal 2000.

◆ Items Pertaining to Environmental Accounting

(1) Period: April 1, 2024 to March 31, 2025 for Group companies in Japan; January 1, 2024 to December 31, 2024 for overseas Group companies
(2) Boundary: Sumitomo Chemical and 17 major consolidated subsidiaries (12 in Japan and 5 overseas)*; 18 companies in total
(3) Composition (Classification): Based on Ministry of the Environment (Japan) guidelines
(4) Outline of the results (investment and expenses): Consolidated investment increased year on year by 2.6 billion yen, and consolidated expenses increased by 20.0 billion yen.

■ Environmental Protection Cost

(Billion yen)

Classification		Details of Major Initiatives	FY2023				FY2024			
			Non-Consolidated		Consolidated		Non-Consolidated		Consolidated	
			Investment	Expenses	Investment	Expenses	Investment	Expenses	Investment	Expenses
Facility Area Costs			1.4	23.7	2.9	36.8	1.2	42.1	5.5	56.9
Breakdown	Pollution Prevention Costs	Prevention of air pollution, water pollution, soil contamination, noise pollution, odors, ground subsidence, etc.	1.1	17.9	1.9	23.7	0.9	35.4	3.4	41.9
	Global Environmental Protection Costs	Energy saving, prevention of global warming, ozone layer depletion, and other measures	0.0	0.2	0.5	3.8	0.0	0.7	1.7	5.0
	Resource Recycling Costs	Resource saving, water saving and rainwater usage, waste reduction/disposal treatment, recycling, etc.	0.3	5.6	0.4	9.3	0.3	6.1	0.4	9.9
Upstream/Downstream Costs		Green purchasing, recycling, recovery, remanufacturing and appropriate treatment of products, recycling costs associated with containers and packaging, environmentally friendly products and services, etc.	0.0	0.1	0.0	0.3	0.0	0.1	0.0	0.3
Administrative Costs		Costs associated with environmental education, environmental management systems, the monitoring and measuring of the environmental impact of business activities and products, environmental organization operations, etc.	0.0	0.8	0.0	1.5	0.0	0.8	0.0	1.5
R&D Costs		Development of products with attention to environmental safety, research into energy-saving processes, etc.	0.0	9.9	0.0	10.0	0.0	2.5	0.0	2.6
Social Activities Costs		Protection of the natural environment and enhancement of its scenic beauty and greenery, support for community initiatives aimed at environmental protection, support for environmental preservation groups, environment-related paid contributions and surcharges, etc.	0.0	0.4	0.0	0.7	0.2	0.6	0.2	0.8
Environmental Remediation Costs		Environmental rehabilitation of contaminated environments and other environmental damage, reserve funds to cover environmental recovery, etc.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			1.4	34.9	2.9	49.4	1.4	46.2	5.7	62.2

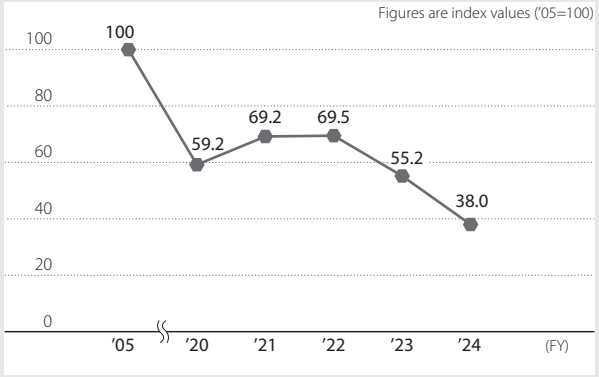
* Sumitomo Pharma Co.,Ltd.; Koei Chemical Co., Ltd.; Taoka Chemical Co., Ltd.; Sumitomo Joint Electric Power Co., Ltd.; Nihon Medi-Physics Co., Ltd.; Nippon A&L Inc.; Sumika Agrotech Co., Ltd.; Ceratec Co., Ltd.; SN Kasei Co., Ltd.; Sumika Polycarbonate Ltd.; Sanritz Corporation; Tanaka Chemical Corporation; Dongwoo Fine-Chem Co., Ltd.; Sumitomo Chemical Asia Pte Ltd.; The Polyolefin Company (Singapore) Pte. Ltd.; Sumika Technology Co., Ltd.; and Sumika Electronic Materials (Wuxi) Co., Ltd.

Economic Effects

(Billion yen)

Results	FY2023		FY2024	
	Non-Consolidated	Consolidated	Non-Consolidated	Consolidated
Reduced costs through energy saving	1.2	1.5	0.4	3.0
Reduced costs through resource saving	0.4	1.9	0.8	2.6
Reduced costs through recycling activities	5.0	6.4	2.2	0.5
Total	6.5	9.8	3.4	6.1

Cost Efficiency of Environmental Protection Measures (Sumitomo Chemical: All Worksites)



In fiscal 2005, we began implementing measures to improve the cost efficiency of our environmental protection measures by making sure that all activities were as cost effective as possible. We will implement more effective measures by analyzing and studying the breakdown of our environmental protection costs and reviewing each item to determine its importance. We calculate the cost efficiency of our environmental protection as the ratio of annual total production value to total environmental protection costs, in order to better reflect actual production activities in the calculation.

Environmental Management System

Between 1997 and 2001, ISO 14001:1996 certification was obtained at all Works and continually maintained thereafter. Updated ISO 14001 certification was obtained later and all Works have been inspected on a continual basis to ensure the certification does not expire.

■ Acquisition of ISO 14001 Certification

1. Sumitomo Chemical (Acquisition Rate: 100%)

Works	Certificate Number	Registration Date
Ehime Works (including Ohe Works)	JCQA-E-0018	April 1998
Chiba Works	(KHK-)97ER・004	June 1997
Osaka Works	JQA-E-90072	November 1997
Oita Works (Gifu Plant)	JCQA-E-0206	December 2000
Oita Works (Okayama Plant)	JCQA-E-0218	January 2001
Oita Works	JQA-E-90152	March 1998
Misawa Works	JQA-EM0355	March 1999
Ibaraki Works	RC15J0024	March 1997

2. Group Companies in Japan

Companies	Certificate Number	Registration Date
Sumika-Kakoushi Co., Ltd.	JCQA-E-0532	January 2004
Nippon A&L Inc. (Ehime Works)	ISO14001-0076790	March 2001
Nippon A&L Inc. (Chiba Works)	(KHK-)97ER・004	June 1997
Asahi Chemical Co., Ltd.	JUSE-EG-717	February 2006
Ceratec Co., Ltd.	JCQA-E-0018	April 1998
Sumika Assembly Techno Co., Ltd.	JCQA-E-0018	April 1998
Sumika Agro Manufacturing Co., Ltd. (Ehime Fertilizers Works)	JCQA-E-0018	April 1998
Sumika Agro Manufacturing Co., Ltd. (Other Works)	13ER・925	August 2004
Koei Chemical Co., Ltd.	JCQA-E-0969	March 1999
Taoka Chemical Co., Ltd. (Ehime Works)	JCQA-E-0018	April 1988
Taoka Chemical Co., Ltd. (Yodogawa Works)	JQA-EM3938	April 2004
Tanaka Chemical Corporation	4526844	November 1998
Sumitomo Pharma Co., Ltd. (Suzuka Works)	00ER-094	December 2000
Sumitomo Pharma Co., Ltd. (Oita Works)	JQA-E-90152	March 1998
Sumika Polycarbonate Limited	JCQA-E-0436	December 2002
SANRITZ Co., Ltd.	JMAQA-E105	April 2000
Sumika Kowa Tech Co., Ltd.	EMS 601582	December 2013

3. Overseas Group Companies

Companies	Certificate Number	Registration Date
Bara Chemical Co., Ltd.	24120907002	November 2009
SSLM Co., Ltd.	EAC-06178	April 2016
Sumitomo Chemical India Private Limited (Tarapur plant)	IND.23.5072/IM/U	April 2008
Sumitomo Chemical India Private Limited (Vapi plant)	IND.24.1076/IM/U	March 2021
Sumitomo Chemical India Private Limited (Bhavnaga Plant)	99 104 01891	December 2018
Sumitomo Chemical India Private Limited (Gajod Plant)	99 104 01883	November 2024
Sumitomo Chemical India Private Limited (Silvassa Plant)	IND.24.1109/IM/U	May 2024
Sumitomo Chemical Advanced Technologies LLC (Phoenix Facility)	43631-2008-AE-USA-ANAB	December 2008
Sumika Technology Co., Ltd.	EMS 89814	December 2024
Dongwoo Fine-Chem Co., Ltd. (Pyeongtaek)	EAC-0600301	July 2005
Dongwoo Fine-Chem Co., Ltd. (Iksan)	KR15/02363	March 2003
Dongwoo Fine-Chem Co., Ltd. (Samki)	KR20/81826429	August 2013
Sumika Electronic Materials (Xi'an) Co., Ltd.	CN15/10719	November 2015
Sumika Huabei Electronic Materials (Beijing) Co., Ltd.	19924E01042R2M	January 2019
Sumika Electronic Materials (Wuxi) Co., Ltd.	64188-2009-AE-RCG-RVA	October 2009
Sumika Electronic Materials (Changzhou) Co., Ltd.	CN20/10228	May 2020
Sumika Polymer Compounds (Thailand) Co., Ltd.	66 104 130035	September 2013
Sumitomo Chemical Asia Pte Ltd (MMA plant)	10604962	July 2024
The Polyolefin Company (Singapore) Pte. Ltd.	SG05/00847	December 2005
Botanical Resources Australia	AU1588-EC	August 2023
PCS PTE. LTD.	SCS 1026920I	December 2009
PCS PTE. LTD.	SCS 102692EI	November 2009

Note: Surveys are conducted once per year, and the above list is based on the survey results as of July 14, 2025

Energy Management System

Acquisition of ISO 50001 Certification

Works	Certificate Number	Registration Date
Dongwoo Fine-Chem Co., Ltd. (Pyeongtaek)	EN-0632901	October 2016

Reducing Greenhouse Gas Emissions

Greenhouse Gas Emissions (All Seven Gases) (Sumitomo Chemical: All Worksites)

(Thousand tons of CO_2e)

		FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CO_2	Energy sources	2,559	2,405	2,454	2,543	2,722	2,645	2,549	2,537	2,322	1,991
	From other than energy use	55	50	93	155	142	157	146	137	217	226
Methane (CH_4)		—	—	—	—	—	—	—	—	—	—
Nitrous oxide (N_2O)		65	45	35	23	15	20	22	22	16	16
Hydrofluorocarbon (HFC)		—	—	—	—	4	4	—	—	—	1
Perfluorocarbon (PFC)		—	—	—	—	—	—	—	—	—	—
Sulfur hexafluoride (SF_6)		—	—	—	—	—	—	—	—	—	—
Nitrogen trifluoride (NF_3)		—	—	—	—	—	—	—	—	—	—

Note: Calculated based on the Act on the Rational Use of Energy and the Act on Promotion of Global Warming Countermeasures.

Energy Saving

FY2024 Breakdown of Unit Energy Consumption (Sumitomo Chemical)

	Energy consumption (Thousand kl in crude oil equivalent) (a)	Production (Thousand tons in ethylene equivalent) (b)	Unit energy consumption (a/b)
Ehime Works	394	608	0.647
Chiba Works	319	322	0.988
Osaka Works	23	14	1.590
Oita Works	52	37	1.408
Misawa Works	9	6	1.480
Gifu Works	6	2	2.302
Okayama Works	6	8	0.824
Ohe Works	23	136	0.172
Total	832	1,135	0.733

Notes: • Calculated based on the Act on the Rational Use of Energy and the Act on Promotion of Global Warming Countermeasures.
• Ibaraki Works' energy consumption, total floor area, and unit energy consumption were 4.8 thousand kl (crude oil equivalent), 16.6 thousand m^2, and 0.291, respectively

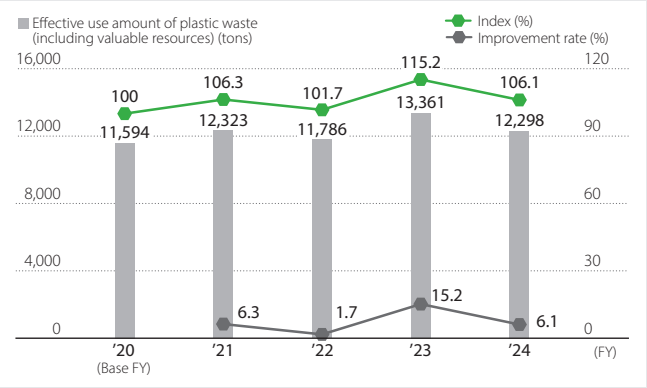
FY2024 Energy Consumption and CO_2 Emissions (Sumitomo Chemical and Group Companies in Japan: All Worksites)

	Energy consumption (Thousand kl in crude oil equivalent)	CO_2 emissions from energy use (Thousand tons)
Sumitomo Chemical	849	1,991
Works	836	1,974
Non-manufacturing sites including the Head Offices and Research Laboratories	13	16
Sumitomo Chemical and Group companies in Japan	1,541	2,575
Works	1,512	2,529
Non-manufacturing sites including the Head Offices and Research Laboratories	29	46

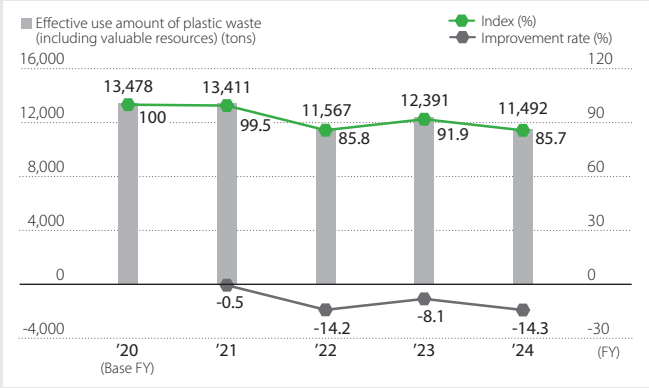
Notes: • Calculated based on the Act on the Rational Use of Energy and the Act on Promotion of Global Warming Countermeasures.
• The boundary of calculation covers major consolidated Group companies, accounting for 99.8% of Sumitomo Chemical's consolidated net sales.

Waste Reduction

Effective Use Amount of Plastic Waste (including valuable resources)*1 (Sumitomo Chemical and Group Companies in Japan) (2020 = 100)

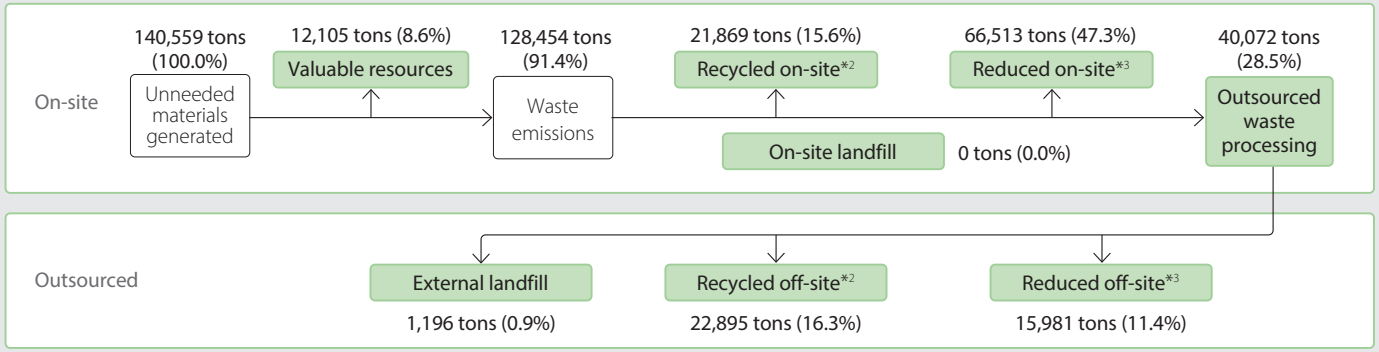


Effective Use Amount of Plastic Waste (including valuable resources)*1 (Overseas Group Companies) (2020 = 100)



*1 Effective use amount of plastic waste (including valuable resources) = (amount of valuable resources) + (amount of internally recycled and reused waste + amount of internally recovered waste heat) + (amount of externally recycled and reused waste + amount of externally recovered waste heat)

Waste Disposal Flow Chart and FY2024 Results (Sumitomo Chemical)



*2 Recycled waste: Total amount of waste that was reused, recycled, or thermally recycled

*3 Reduced waste: Total amount of waste reduced through incineration, etc.

FY2024 Results by Item in Connection with the Disposal of Waste (Sumitomo Chemical)

(Tons)

Type	Waste emissions	Recycled on-site		Reduced on-site		Outsourced waste processing	On-site landfill	Reduced off-site	Recycled off-site		External landfill	Valuable resources
		Reused, recycled	Thermally recycled	Incineration	Other				Reused, recycled	Thermally recycled		
Burnt residue	2,733.0	0.0	0.0	0.0	0.0	2,732.9	0.0	0.0	2,490.7	0.0	242.2	0.0
Sludge	38,443.4	0.1	727.9	22,628.2	1,850.7	13,236.7	0.0	3,549.4	9,048.6	405.0	233.8	35.7
Oil waste	33,185.5	1,643.2	8,866.4	14,205.6	0.0	8,470.3	0.0	4,525.1	3,636.8	207.6	100.8	958.5
Waste acid	7,773.1	0.0	23.7	5,891.0	0.0	1,858.5	0.0	1,339.2	492.1	2.8	24.2	903.5
Waste alkali	38,892.8	10,201.7	4.8	20,359.6	0.0	8,326.7	0.0	5,702.4	2,287.5	289.3	47.4	213.8
Waste plastic	4,264.7	0.0	401.6	591.0	0.0	3,272.1	0.0	309.6	2,255.7	332.3	374.6	6,144.6
Waste paper	916.2	0.0	0.0	858.2	0.0	58.1	0.0	15.9	42.2	0.0	0.0	395.8
Wood waste	834.3	0.0	0.0	120.6	0.0	713.7	0.0	43.1	483.0	183.6	4.0	5.2
Textile waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Animal and plant residues	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metal waste	631.1	0.0	0.0	6.9	0.0	624.2	0.0	147.8	473.1	0.0	3.3	3,447.7
Glass and pottery waste	317.5	0.0	0.0	1.8	0.0	315.6	0.0	23.2	223.9	30.2	38.4	0.0
Slag	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Debris	434.1	0.0	0.0	0.0	0.0	434.1	0.0	325.3	10.4	0.0	98.4	0.0
Soot and dust	28.7	0.0	0.0	0.0	0.0	28.7	0.0	0.0	0.0	0.0	28.7	0.0
Total	128,454	11,845	10,024	64,663	1,851	40,072	0	15,981	21,444	1,451	1,196	12,105

(Sumitomo Chemical and Group Companies in Japan)

(Tons)

Type	Waste emissions	Recycled on-site		Reduced on-site		Outsourced waste processing	On-site landfill	Reduced off-site	Recycled off-site		External landfill	Valuable resources
		Reused, recycled	Thermally recycled	Incineration	Other				Reused, recycled	Thermally recycled		
Burnt residue	8,678.4	0.0	0.0	0.0	0.0	8,678.4	0.0	0.0	7,145.1	1.0	1,532.3	0.0
Sludge	82,793.8	0.1	727.9	22,628.2	37,969.1	21,468.7	0.0	7,728.3	10,404.1	615.8	2,720.8	88.7
Oil waste	41,507.0	1,664.2	14,003.0	14,205.6	0.0	11,634.3	0.0	6,590.2	4,307.3	611.3	125.3	1,580.8
Waste acid	9,661.4	0.0	23.7	5,891.0	0.0	3,746.8	0.0	2,140.4	685.1	887.9	33.2	903.5
Waste alkali	57,713.9	10,201.7	4.8	29,760.6	0.0	17,746.9	0.0	13,642.2	3,064.2	910.3	130.0	213.8
Waste plastic	7,812.6	0.0	401.6	591.0	0.0	6,820.0	0.0	817.3	4,407.3	485.8	1,109.7	7,002.8
Waste paper	1,749.0	0.0	0.0	858.2	0.0	890.9	0.0	109.8	770.8	0.0	11.0	1,144.0
Wood waste	1,084.8	0.0	0.0	120.6	0.0	964.2	0.0	63.8	683.9	210.0	6.5	5.2
Textile waste	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0
Animal and plant residues	4.9	0.0	0.0	0.0	0.0	4.9	0.0	1.9	0.0	2.8	0.2	0.0
Metal waste	753.7	0.0	0.0	6.9	0.0	746.8	0.0	206.2	522.5	0.9	17.2	3,833.8
Glass and pottery waste	354.7	0.0	0.0	1.8	0.0	352.9	0.0	25.1	232.0	31.8	64.0	0.5
Slag	143.8	0.0	0.0	0.0	0.0	143.8	0.0	0.0	0.0	0.0	143.8	0.0
Debris	437.0	0.0	0.0	0.0	0.0	437.0	0.0	325.3	10.4	0.0	101.3	0.0
Soot and dust	113,454.7	0.0	0.0	0.0	0.0	113,454.7	0.0	0.0	99,333.0	0.0	14,121.7	47.3
Total	326,150	11,866	15,161	74,064	37,969	187,091	0	31,651	131,566	3,758	20,117	14,821

FY2024 Categories of Hazardous* and Non-Hazardous Waste

(Sumitomo Chemical)

(Tons)

Type	Waste emissions	Recycled on-site		Reduced on-site		Outsourced waste processing	On-site landfill	Reduced off-site	Recycled off-site		External landfill
		Reused, recycled	Thermally recycled	Incineration	Other				Reused, recycled	Thermally recycled	
Non-Hazardous Waste	48,603	0	1,129	24,207	1,851	21,416	0	4,414	15,028	951	1,023
Hazardous Waste	79,851	11,845	8,895	40,456	0	18,656	0	11,567	6,416	500	172

(Sumitomo Chemical and Group Companies in Japan)

(Tons)

Type	Waste emissions	Recycled on-site		Reduced on-site		Outsourced waste processing	On-site landfill	Reduced off-site	Recycled off-site		External landfill
		Reused, recycled	Thermally recycled	Incineration	Other				Reused, recycled	Thermally recycled	
Non-Hazardous Waste	217,268	0	1,129	24,207	37,969	153,963	0	9,278	123,509	1,348	19,829
Hazardous Waste	108,882	11,866	14,031	49,857	0	33,128	0	22,373	8,057	2,410	289

* Waste oil (including waste organic solvents), alkaline waste, acidic waste

Initiatives to Recycle and Reuse Plastic and Other Waste

Sumitomo Chemical is proactively working to recycle and reuse plastic and other waste.

Results of Recycling and Reusing Waste*1

(Sumitomo Chemical)

(Tons)

	FY2020	FY2021	FY2022	FY2023	FY2024
Waste emissions	164,492	189,499	174,602	139,728	128,454
Amount internally reused	6,383	16,602	16,906	8,968	11,845
Amount of internally recovered heat	23,382	28,798	22,324	16,384	10,024
Outsourced waste processing	53,515	65,471	55,356	48,933	40,072
Amount externally reused	31,334	38,584	32,010	26,951	21,444
Amount of externally recovered heat	3,617	3,223	4,436	2,586	1,451
Recycling and reuse rate (%)	39.3	46.0	43.3	39.3	34.8

(Sumitomo Chemical and Group Companies in Japan)

(Tons)

	FY2020	FY2021	FY2022	FY2023	FY2024
Waste emissions	377,062	446,397	405,298	297,476	326,150
Amount internally reused	33,711	49,003	16,922	8,989	11,866
Amount of internally recovered heat	0	0	27,032	21,457	15,161
Outsourced waste processing	247,908	276,071	232,013	156,995	187,091
Amount externally reused	195,737	213,309	173,416	101,867	131,566
Amount of externally recovered heat	0	0	9,903	6,423	3,758
Recycling and reuse rate (%)	60.9	58.8	56.1	46.6	49.8

(Overseas Group Companies)

(Tons)

	FY2023	FY2024
Waste emissions	65,348	65,463
Amount internally reused	4,167	3,034
Outsourced waste processing	60,749	62,045
Amount externally reused	26,045	29,045
Recycling and reuse rate (%)	46.2	49.0

*1 Amount of waste recycled and reused: Amount internally and externally reused + Amount of internally and externally recovered heat
Waste recycling and reuse rate: (Amount internally and externally reused + Amount of internally and externally recovered heat) / Waste emissions

Results of Recycling and Reusing Plastic Waste*2

(Sumitomo Chemical)

(Tons)

	FY2020	FY2021	FY2022	FY2023	FY2024
Waste emissions	5,295	5,933	5,407	4,421	4,265
Amount internally reused	0	0	0	0	0
Amount of internally recovered heat	273	437	321	330	402
Outsourced waste processing	4,184	4,788	4,449	3,562	3,272
Amount externally reused	2,923	3,473	3,317	2,560	2,256
Amount of externally recovered heat	47	110	270	211	332
Recycling and reuse rate (%)	61.2	67.8	72.3	70.1	70.1

(Sumitomo Chemical and Group Companies in Japan)

(Tons)

	FY2020	FY2021	FY2022	FY2023	FY2024
Waste emissions	8,386	9,856	9,415	8,280	7,813
Amount internally reused	37	35	0	0	0
Amount of internally recovered heat	273	437	321	330	402
Outsourced waste processing	7,203	8,644	8,458	7,421	6,820
Amount externally reused	4,502	5,296	5,569	4,810	4,407
Amount of externally recovered heat	464	622	688	587	486
Recycling and reuse rate (%)	62.9	64.8	69.9	69.2	67.8

(Overseas Group Companies)

(Tons)

	FY2023	FY2024
Waste emissions	9,162	7,722
Amount internally reused	270	341
Outsourced waste processing	8,892	7,381
Amount externally reused	7,207	6,218
Recycling and reuse rate (%)	81.6	84.9

*2 Amount of plastic recycled and reused: Amount internally and externally reused + Amount of internally and externally recovered heat
Plastic recycling and reuse rate: (Amount internally and externally reused + Amount of internally and externally recovered heat) / Waste emissions

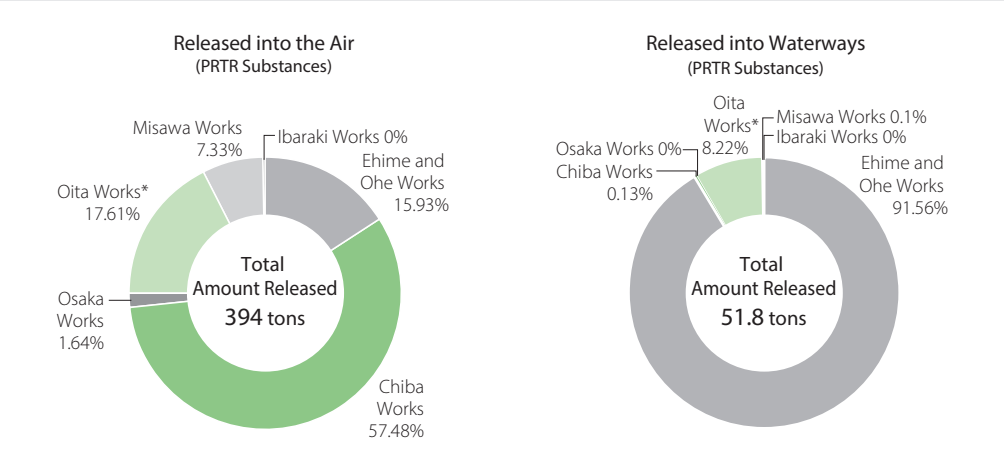
Addressing PRTR

FY2024 Release and Transfer of PRTR Substances (Sumitomo Chemical and Group Companies in Japan)

(Tons)

	Released			Transferred		
	Air	Water	Subtotal	Sewage	Waste	Subtotal
PRTR substances						
Sumitomo Chemical	394	51.8	446	3.1	3,243	3,247
Sumitomo Chemical and Group companies in Japan	485	54	539	4.9	5,001	5,005

FY2024 PRTR Substances Released by Works (Sumitomo Chemical)



* Data for the Oita Works includes data for Gifu Works (former Gifu Plant) and Okayama Works (former Okayama Plant)

Emissions data for PRTR substances (fiscal 2024)

Regarding substances reported to the PRTR, data was collected on the top ten substances and dioxins with the highest emission volumes from Sumitomo Chemical. Please refer to the Ministry of the Environment's PRTR information forum (https://www.prtr.env.go.jp/prtrmap/, Japanese only) for data on the other substances at each worksite.

(Tons, Dioxins: mg-TEQ)

No.	JPSN (Japan PRTR-SDS Number)	Name of Chemical Compound	Amount Released				
			Air	Water	Soil	Landfill	Total
1	729	1-Hexene	135.66	0.00	0.00	0.00	135.66
2	731	Heptane	53.34	0.14	0.00	0.00	53.47
3	737	Methyl isobutyl ketone	52.57	0.04	0.00	0.00	52.60
4	300	toluene	45.41	0.05	0.00	0.00	45.46
5	598	Chloric acid and its potassium and sodium salt	0.00	41.08	0.00	0.00	41.08
6	94	chloroethylene	20.46	0.00	0.00	0.00	20.46
7	134	vinyl acetate	13.66	0.00	0.00	0.00	13.66
8	83	cumene	12.54	0.01	0.00	0.00	12.54
9	392	n-hexane	11.49	0.03	0.00	0.00	11.52
10	420	methyl methacrylate	9.21	0.00	0.00	0.00	9.21
	243	dioxins	<0.01	<0.01	0.00	0.00	<0.01

* As of June 2025