

Environmental Activity Goals and Results

Goal achieved or steadily progressing: ○ Goal not achieved: △

	Items	Boundary	Goals	Fiscal 2023 Results	Evaluation
Climate Change Mitigation and Adaptation	Greenhouse gas emissions Scope 1+2* ¹	Sumitomo Chemical Group Consolidated	Reduce 36% compared to fiscal 2020 levels by 2030	Reduced 32% relative to fiscal 2020	○
	Scope 3* ²	Sumitomo Chemical Group Consolidated	Reduce 14% relative to fiscal 2020 for categories 1 and 3* ² by fiscal 2030	Reduced 19% relative to fiscal 2020	○
	Unit energy consumption* ⁴	Sumitomo Chemical Group Consolidated	Improve more than 3% over the three years of the Corporate Business Plan (using fiscal 2021 as the base year for fiscal 2022–2024).	Improved 13% relative to fiscal 2021	○
	Unit energy consumption in the logistics division	Sumitomo Chemical and Group companies in Japan* ⁵	Improve over 1% per year on average over five years	Worsened by an annual average of 0.4% over five years	△

Note: Further details on goals based on the Act on the Rational Use of Energy and results are provided in the [supplementary data \(pages 1–2\)](#).

*1 Scope 1: Direct greenhouse gas emissions from operators themselves (fuel burning and industrial processes), Scope 2: Indirect emissions from purchases of power and heat from outside the factory

*2 Scope 3: Emissions from the manufacturing and transportation of purchased raw materials

*3 Category 1: Purchased goods and services, Category 3: Fuel and energy activities not included in Scopes 1 or 2

*4 Energy consumption divided by consolidated net sales

*5 Within the scope of specified shippers according to the definition stipulated under the Act on the Rational Use of Energy

Goal achieved or steadily progressing: ○ Goal not achieved: △

	Items	Boundary	Fiscal 2023 Goals	Fiscal 2023 Results	Evaluation	Fiscal 2024 Goals
Contribute to Recycling Resources	Promoting the effective use of plastic resources	Sumitomo Chemical and Group companies in Japan	Improve the amount of valuable resources and effective utilization* ⁶ by 5% or more relative to fiscal 2020 by fiscal 2025.	Improved 15.2% relative to fiscal 2020	○	Improve the amount of valuable resources and effective utilization by 5% or more relative to fiscal 2020 by fiscal 2025.
		Group companies overseas	Improve the amount of valuable resources and effective utilization* ⁶ by 5% or more relative to fiscal 2020 by fiscal 2025.	Worsened 8.1% relative to fiscal 2020	△	Improve the amount of valuable resources and effective utilization by 5% or more relative to fiscal 2020 by fiscal 2025.
	Reduce the amount of waste sent to landfills	Sumitomo Chemical and Group companies in Japan	Maintain waste volume at below fiscal 2020 levels to fiscal 2023	Reduced by 40.2% relative to fiscal 2020	○	Maintain waste volume at below fiscal 2020 levels to fiscal 2024
	Promoting the waste recycling and reuse	Sumitomo Chemical and Group companies in Japan	Improve the waste recycling and reuse rate* ⁷ by 5% or more relative to fiscal 2020 by fiscal 2025.	Worsened 13.8% relative to fiscal 2020	△	Improve the waste recycling and reuse rate by 5% or more relative to fiscal 2020 by fiscal 2025.
		Group companies overseas	Improve the waste recycling and reuse rate* ⁷ by 5% or more relative to fiscal 2020 by fiscal 2025.	Worsened 12.2% relative to fiscal 2020	△	Improve the waste recycling and reuse rate by 5% or more relative to fiscal 2020 by fiscal 2025.
	Properly treated PCB waste	Sumitomo Chemical and Group companies in Japan	<ul style="list-style-type: none"> High concentrations of PCB*⁸: Work toward appropriate storage and recovery of waste containing high concentrations of PCBs and complete PCB waste treatment at an early stage Minute amounts of PCB*⁹: Work toward appropriate storage and recovery of waste containing minute amounts of PCBs and complete PCB waste treatment by March 2025 	<ul style="list-style-type: none"> High concentrations of PCBs: Sumitomo Chemical: Completed treatment Group companies in Japan: Completed treatment Minute amounts of PCBs: Implemented the treatment of waste containing minute amounts of PCBs at certain factories; continued to promote the storage and recovery of untreated waste 	○	<ul style="list-style-type: none"> High concentrations of PCBs: — Minute amounts of PCBs: Work toward appropriate storage and recovery of waste containing minute amounts of PCBs and complete PCB waste treatment by March 2025

Note: Further details are provided in the [supplementary data \(pages 3–22\)](#).

*6 Effective usage amount = (amount internally recycled and reused + amount of internally recovered heat) + (amount externally recycled and reused + amount of externally recovered heat)

*7 Waste recycling and reuse rate: (amount internally and externally reused + Amount of internally and externally recovered heat) / Waste emissions × 100

*8 High concentrations of PCBs: Polychlorinated biphenyls (PCBs) intentionally used as insulation oil in such items as electric appliances

*9 Minute amounts of PCBs: PCBs unintentionally mixed into insulation oil in such items as electric appliances (over 0.5 mg/kg)

Goal achieved or steadily progressing: ○ Goal not achieved: △

	Items	Boundary	Fiscal 2023 Goals	Fiscal 2023 Results	Evaluation	Fiscal 2024 Goals
Sustainable Use of Natural Capital	Severe environmental accidents	Sumitomo Chemical and Group companies in Japan	0	0	○	0
	Laws and regulations, etc.	Sumitomo Chemical	Properly respond to more stringent laws and regulations and proactively address trends in new environmental regulations	Offered industrial insights in collaboration with Japan Chemical Industry Association and other organizations at governmental committee meetings, including those held for the Air Pollution Control Act (related to photochemical oxidants)	○	Properly respond to more stringent laws and regulations and proactively address trends in new environmental regulations
	Environmental protection management methods, etc.	Sumitomo Chemical	Provide individual support to Group companies for responding to environmental regulations	Provided individual support related to the Waste Management and Public Cleansing Law, the Soil Contamination Countermeasures Act, the Act on Rational Use and Proper Management of Fluorocarbons, the PRTR Act and Water Pollution Prevention Act.	○	Provide individual support to Group companies for responding to environmental regulations
	Conservation of biodiversity	Sumitomo Chemical	Ensure compliance with "Sumitomo Chemical's Commitment to the Conservation of Biodiversity" and strengthening effort	Participated in biodiversity conservation initiatives through the nature symbiosis website promoted by the Ministry of the Environment	○	Ensure compliance with "Sumitomo Chemical's Commitment to the Conservation of Biodiversity"
	Prevention of air and water pollution	Sumitomo Chemical	Meet voluntary management criteria*1	0	○	Meet voluntary management criteria
	Addressing fluorocarbons	Sumitomo Chemical and Group companies in Japan	<ul style="list-style-type: none"> Eliminate the use of refrigeration units that use CFCs as coolants by fiscal 2025 Eliminate the use of refrigeration units that use HCFCs as coolants by fiscal 2045 	Systematically replaced refrigeration units that use CFCs and HCFCs as coolants	○	<ul style="list-style-type: none"> Eliminate the use of refrigeration units that use CFCs as coolants by fiscal 2025 Eliminate the use of refrigeration units that use HCFCs as coolants by fiscal 2045
	Addressing PRTR	Sumitomo Chemical	Due to changes in target substances following legal amendments, FY2023 is set as the base year		—	Maintain emissions at or below the fiscal 2023 level
		Sumitomo Chemical and Group companies in Japan			—	Maintain total emissions of air and water pollutants at below fiscal 2023 levels
	Reduction of VOC emissions	Sumitomo Chemical	Maintain VOC emissions reductions at 30% relative to fiscal 2000	Reduced emissions by 61.8% relative to fiscal 2000	○	Maintain VOC emissions reductions at 30% relative to fiscal 2000
	Effective use of water resources	Sumitomo Chemical	Promote effective and efficient use of water resources	Reduced usage 10.4% relative to fiscal 2022	○	Promote effective and efficient use of water resources
		Group companies overseas	Improve unit water consumption by at least 1% on average per year	Improved 5.8% relative to fiscal 2020	○	Improve unit water consumption by at least 1% on average per year
	Prevention of soil and groundwater contamination	Sumitomo Chemical and Group companies in Japan	Keep hazardous materials strictly within Company premises*2	0	○	Keep hazardous materials strictly within Company premises

Note: Further details are provided in the [supplementary data \(pages 3–22\)](#).

*1 Voluntary management targets that are stricter than the mandated levels and criteria of relevant laws and regulations, including agreements reached with local authorities. *2 Keep hazardous materials strictly within Company premises: Controlled on the premises.

► Environmental Data

Sumitomo Chemical's manufacturing sites and the production plants of major consolidated subsidiaries (23 companies in Japan and 33 companies overseas)

Principal consolidated Group companies, which account for up to 99.8% of Sumitomo Chemical's consolidated net sales for "Energy consumption and greenhouse gas emissions" ([refer to "Climate Change Mitigation and Adaptation" on page 6](#)).

Sumitomo Chemical

Sumitomo Chemical: All production sites of Sumitomo Chemical Co., Ltd.

Sumitomo Chemical (all worksites): All production and non-production sites of Sumitomo Chemical Co., Ltd.

Group Companies in Japan

The production plants of 17 companies sharing the Common Targets (Sumika-Kakoushi Co., Ltd.; Sumika Color Co., Ltd.; Sumika Plastech Co., Ltd.; Nippon A&L Inc.; Asahi Chemical Co., Ltd.; Ceratec Co., Ltd.; Sumika Assembly Techno Co., Ltd.; SanTerra Co., Ltd.; Sumika Agro Manufacturing Co., Ltd.; SC Environmental Science Co., Ltd.; Sumika Agrotech Co., Ltd.; Nihon Medi-Physics Co., Ltd.; Sumitomo Joint Electric Power Co., Ltd.; SN Kasei Co., Ltd.; Sumika Polycarbonate Ltd.; Sanritz Corporation;

Sumika Kowa Tech Co., Ltd.). In addition to the 17 companies listed above, data not related to the Common Targets ([refer to the Supplementary Data on page 19](#)) include **the production plants of 5 other companies** (Koei Chemical Co., Ltd.; Taoka Chemical Co., Ltd.; Tanaka Chemical Corporation; Sumitomo Pharma Co., Ltd.) and Sumika High-Purity Gas Co., Ltd. for a total of 22 companies.

Overseas Group Companies

29 companies sharing the Common Targets (Singapore: The Polyolefin Company (Singapore) Pte.Ltd., Sumitomo Chemical Asia Pte Ltd (MMA&S-SBR) / **Thailand:** Bara Chemical Co., Ltd., Sumika Polymer Compounds (Thailand) Co., Ltd. / **Vietnam:** Sumika Electronic Materials Vietnam Co., Ltd. / **China:** Dalian Sumika Chemphy Chemical Co., Ltd., Sumika Electronic Materials (Wuxi) Co., Ltd., Sumika Electronic Materials (Hefei) Co., Ltd., Sumika Huabei Electronic Materials (Beijing) Co., Ltd., Sumika Electronic Materials (Xi'an) Co., Ltd., Zhuhai Sumika Polymer Compounds Co., Ltd., Dalian Sumika Jingang Chemicals Co., Ltd., Sumika Electronic Materials (Changzhou) Co., Ltd., Xuyou Electronic Materials (Wuxi) Co., Ltd., Sumika Electronic Materials (Chongqing) Co., Ltd. / **Taiwan:** Sumika Technology Co., Ltd., Sumipex Techsheet Co., Ltd. / **India:** Sumika Polymer Compounds India Co., Ltd. / **South Korea:** Dongwoo Fine-Chem Co., Ltd., SSLM Co., Ltd. / **Australia:** Botanical Resources Australia

Manufacturing Services Pty Ltd., Botanical Resources Australia Agricultural Services Pty Ltd. / **United States:** Sumitomo Chemical Advanced Technologies LLC, McLaughlin Gormley King Company, Valent BioSciences LLC, Sumika Polymer North America LLC / **United Kingdom:** Sumika Polymer Compounds UK Co., Ltd. / **Turkey:** Sumika Polymer Compounds Turkey Co., Ltd. / **France:** Sumika Polymer Compounds France Co., Ltd.) In addition to the 29 companies listed above, data not related to the Common Targets ([refer to the Supplementary Data on page 20](#)) exclude Dalian Sumika Chemphy Chemical Co., Ltd. and include **5 other companies** (Sumitomo Chemical India Limited, Sumitomo Chemical Chile S.A., Sumitomo Chemical Brasil Indústria Química S.A., Sumika Polymer Compounds Poland Co., Ltd., Mycorrhizal Applications) for a total of 33 companies

Notes: • More detailed information about the boundary of data is listed on each page.

• Regarding affiliated companies and plants newly included in the boundary of environmental data reporting, results data are tabulated from the fiscal year when the survey was conducted as the Sumitomo Chemical Group