



# Environmental Activity Goals and Results

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

Items	Boundary	Goals	Fiscal 2022 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 11% relative to fiscal 2020	○
	Scope 3*2	Sumitomo Chemical Group Consolidated	Reduce 14% relative to fiscal 2020 for categories 1 and 3*3 by fiscal 2030	Reduced 4.1% 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 (set the base year at fiscal 2021 in tandem with the start of a new corporate business plan (fiscal 2022–2024))	Improved 14% 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 0.2% 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 2022 Goals	Fiscal 2022 Results	Evaluation	Fiscal 2023 Goals	
Contribute to Recycling Resources	Promoting the effective use of plastic resources	Sumitomo Chemical and Group companies in Japan	Improve total amount of valuable resources and effective usage*6 by at least 1% on average per year relative to fiscal 2020	Improved 1.7% relative to fiscal 2020	○	Improve total amount of valuable resources and effective usage by at least 1% on average per year relative to fiscal 2020
		Group companies overseas	Improve total amount of valuable resources and effective usage*6 by at least 1% on average per year relative to fiscal 2020	Worsened 14.6% relative to fiscal 2020	△	Improve total amount of valuable resources and effective usage by at least 1% on average per year relative to fiscal 2020
Reduce the amount of industrial waste sent to landfills	Sumitomo Chemical	Maintain 80% reduction compared to fiscal 2000 levels	Reduced by 92.5% relative to fiscal 2000	○	Maintain 80% reduction compared to fiscal 2000 levels	
	Sumitomo Chemical and Group companies in Japan	Maintain waste volume at below fiscal 2015 levels to fiscal 2022	Reduced by 4.8% relative to fiscal 2015	○	Maintain waste volume at below fiscal 2015 levels to fiscal 2023	
Promoting the effective use of industrial waste	Sumitomo Chemical and Group companies in Japan	Improve effective usage rate*7 by at least 1% on average per year relative to fiscal 2020	Improved 1.0% relative to fiscal 2020	○	Improve effective usage rate by at least 1% on average per year relative to fiscal 2020	
	Group companies overseas	Improve effective usage rate*7 by at least 1% on average per year relative to fiscal 2020	Improved 1.0% relative to fiscal 2020	○	Improve effective usage rate by at least 1% on average per year relative to fiscal 2020	
Properly treated PCB waste	Sumitomo Chemical and Group companies in Japan	<ul style="list-style-type: none"> <li>High concentrations of PCBs*: Work toward appropriate storage and recovery of waste containing high concentrations of PCBs and complete PCB waste treatment at an early stage</li> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>High concentrations of PCBs: Sumitomo Chemical: Completed treatment Group companies in Japan: Completed treatment</li> <li>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</li> </ul>	○	<ul style="list-style-type: none"> <li>High concentrations of PCBs: Work toward appropriate storage and recovery of waste containing high concentrations of PCBs and complete PCB waste treatment at an early stage</li> <li>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</li> </ul>	

Note: Further details are provided in the [supplementary data \(pages 3–23\)](#).

\*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 Effective usage rate = ((amount internally recycled and reused + amount of internally recovered heat) + (amount externally recycled and reused + amount of externally recovered heat)) / amount of waste generated × 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)



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Items	Boundary	Fiscal 2022 Goals	Fiscal 2022 Results	Evaluation	Fiscal 2023 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 photo-chemical 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	The legal emission standard limit was exceeded, albeit slightly, at some worksites	△	Meet voluntary management criteria
	Prevention of ozone layer depletion	Sumitomo Chemical and Group companies in Japan	<ul style="list-style-type: none"> <li>Eliminate the use of refrigeration units that use CFCs as coolants by fiscal 2025</li> <li>Eliminate the use of refrigeration units that use HCFCs as coolants by fiscal 2045</li> </ul>	Systematically replaced refrigeration units that use CFCs and HCFCs as coolants	○	<ul style="list-style-type: none"> <li>Eliminate the use of refrigeration units that use CFCs as coolants by fiscal 2025</li> <li>Eliminate the use of refrigeration units that use HCFCs as coolants by fiscal 2045</li> </ul>
	Response to PRTR	Sumitomo Chemical	Maintain 60% lower total emissions relative to fiscal 2008	Reduced emissions by 89.9% relative to fiscal 2008	○	Maintain 60% lower total emissions relative to fiscal 2008
		Sumitomo Chemical and Group companies in Japan	Maintain total emissions of air and water pollutants at below fiscal 2015 levels to fiscal 2022	Reduced emissions by 13.7% relative to fiscal 2015	○	Maintain total emissions of air and water pollutants at below fiscal 2015 levels
	Reduction of VOC emissions	Sumitomo Chemical	Maintain VOC emissions reductions at 30% relative to fiscal 2000	Reduced emissions by 62.5% 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	Water usage worsened by 4.1% relative to fiscal 2021	△	Promote effective and efficient use of water resources
Group companies overseas		Improve unit water consumption by at least 1% on average per year	Worsened 4.3% 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	Leaks occurred, albeit minor, within the premises of some worksites	△	Keep hazardous materials strictly within Company premises	

Note: Further details are provided in the [supplementary data \(pages 3–23\)](#).

\*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.