

Planet

Corporate Statements

The Kuraray Group
Code of Conduct

TOP STATEMENT

Sustainability Long-term
Vision and Sustainability
Medium-term Plan

Materiality of Kuraray
Group

Planet

Environmental
Management

Global Warming
Prevention

Reduction of
Environmental Risk

Environmental
Accounting

Environmental Data

Sustainability
Medium-term Plan
for Planet

Product

People

Governance

GRI Standards
Content Index

Kuraray Report
(integrated report) /
Sustainability website

Initiatives, etc.

Planet priority measures in the Sustainability Medium-Term Plan

Planet	GHG emissions	Benchmarks		
			2024	2026
		Scope1 + 2	Year 2019:3.2 million tons-CO ₂ e	
		Scope3	Year 2019:0.9 million tons-CO ₂ e (Japan)	No increase in emissions compared to 2019 •Target the entire Group and identify the category dominates for more than two-thirds of emission •In fiscal 2023, formulate numerical reduction targets for fiscal 2024 and fiscal 2026

Result in 2022 and Target in 2023

Planet	GHG emissions	Result in 2022		
			Evaluation in 2022	Target in 2023
		Scope1 + 2	2,896 thousand tons-CO ₂ e	
		Scope3	target achieved (3,230thousand ton-CO ₂ e or less)	No increase in emissions compared to 2019
			•Target the entire Group and identify the category dominates for more than two-thirds of emission •In fiscal 2023, formulate numerical reduction targets for fiscal 2024 and fiscal 2026	

Environmental Management

Global Warming Prevention

Reduction of Environmental Load

Environmental Accounting

Environmental Data

Sustainability Medium-term Plan for Planet

Environmental Management

Kuraray's Approach to Environment

We believe it is vital for the Kuraray Group as a specialty chemical company to provide the world with the products and services needed to realize a low-carbon and environment-friendly society, and to manufacture our own products with as little environmental impact as possible. Based on this philosophy, the Kuraray Group in its global manufacturing activities continues to conserve the environment, including the promotion of measures against global warming, reduction of chemical substance emissions, and effective use of resources.

Kuraray Group Environmental Policy

The Kuraray Group has established the Kuraray Group Environmental Policy, and is promoting environmental conservation activities. Based on the Kuraray Group Environmental Activity Management Rule, these activities are carried out for constant improvement in the P (plan) D (do) C (check and evaluate) A (act and improve) cycle in cooperation with Kuraray plants / subsidiaries and the head office. Those plants and subsidiaries have acquired ISO 14001(Environmental Management Systems) certification and are steadily operating ISO 14001 systems.

Kuraray Group Environmental Policy

The Kuraray Group has established the following policy to contribute to the sustainable development of society and fulfill its responsibilities to future generations through business activities in harmony with environment.

Basic Policy

- (1) We give maximum consideration to the environment in conducting our business operations.
- (2) We conduct perpetual environmental improvement activities.
- (3) We develop technologies and products which contribute to improvement of the environment.

Guiding Principles

- (1) Reduce greenhouse gas emissions
Actively promote the improvement of energy efficiency, fuel conversion, and the utilization of sustainable energy such as biomass fuel. Continuously engage in the reduction of greenhouse gas emissions.
- (2) Reduce emission of hazardous chemicals into the environment
Promote replacement with less hazardous chemicals and continuously reduce emissions, and strive to minimize the emission of hazardous chemicals into the air, water, and soil.
- (3) Reduce the volume of waste
Promote reduction, reuse, and recycling of waste, and strive to minimize the volume of waste resulting from business operations.
- (4) Promote efficient utilization of water resources
Recognizing that water is a limited resource, strive to minimize the amount of water necessary for business operations by promoting the optimization of operation conditions and recycling.
- (5) Develop and provide environmental improvement technologies and products with low environmental load
Strive to develop and provide technologies that reduce the environmental load throughout the entire lifecycle, and contribute to the environment.
- (6) Reduce environmental load in procurement (raw materials, supplies, and equipment) and logistics
Strive to procure environment-friendly materials, supplies, and equipment, while at the same time reducing the environmental load in the logistics process (transportation and storage).
- (7) Consideration to biodiversity
Give maximum consideration to biodiversity, and strive to preserve biodiversity and engage in the sustainable use of biological resources.
- (8) Proactively disclose environmental information and promote dialogue with society
Proactively disclose corporate information regarding the environment (including risk information), and promote dialogue with the local community and society as a whole

in order to build mutual understanding and trust.

- (9) Increase employee awareness of the environment and improve the level of environmental management

Increase employee awareness and understanding of the environment through training and internal communications. Improve the level of environmental management by deploying environment activity management systems and environmental accounting.

Environmental Conservation Management

In 2022, no leak accidents of chemical substances and waste that cause severe damage to the environment were reported, although there were minor problems such as a temporary exceedance of standard values. The statutory effluent standards for emissions into the atmosphere and public waters are strictly observed by the Kuraray Group in Japan, and there were no incidents causing a significant impact on the atmosphere, bodies of public water such as rivers, underground water, marine water, soil, and so on. The transportation of hazardous wastes, which includes transportation of waste containing polychlorinated biphenyls (PCBs) to outside disposal companies, is handled appropriately in accordance with the Act on Special Measures concerning Promotion of Proper Treatment of PCB Wastes (PCB Special Measures Act). The Kuraray Group outside Japan also manages the concentration of exhaust gases such as soot and smoke and the quality of wastewater in accordance with the laws and regulations of the countries and regions where its production sites are located.

Targets for Reduction of Environmental Load in Sustainability Medium-term Plan for Planet and FY 2022 Results

The Kuraray Group set targets for reduction of environmental load in Sustainability Medium-Term Plan for Planet which began in 2022 and conducted activities accordingly. Specific numerical targets and results for FY 2022 are shown in the table below.

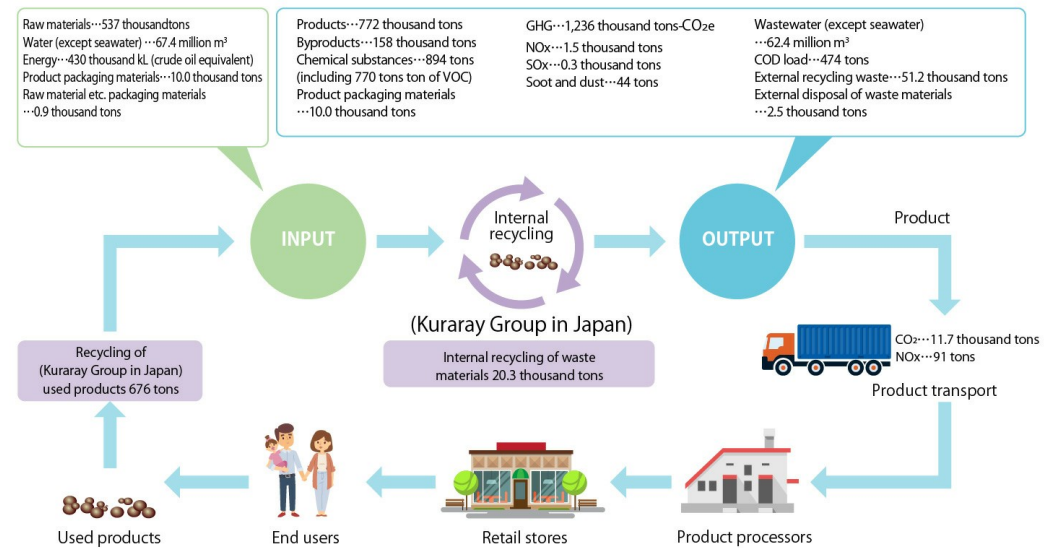
☆☆☆: Largely achieved, ☆☆: Achieved, ☆: Need to be improved

Activity Items	Scope	Targets for Reduction of Environmental Load in Sustainability Medium-term Plan for Planet (FY 2022 - 2026)	FY 2022 Results	Evaluation
Improved energy efficiency (energy conservation)	Kuraray Group (over all)	Sales intensity of energy consumption: Reduction of 5% or more in 2026 compared to 2019 (improvement)	Sales intensity of energy consumption: 17.2% reduction compared to 2019 (improvement)	☆☆☆
Effective use of waste	Kuraray Group (over all)	Sales intensity of waste generation: Reduction of 5% or more in 2026 compared to 2019 (improvement)	Sales intensity of waste generation: 28.0% reduction compared to 2019 (improvement)	☆☆☆
Effective use of water resources (excluding seawater)	Kuraray Group (overseas)	Sales intensity of water usage (excluding seawater): Reduction of 5% or more in 2026 compared to 2019 (improvement)	Sales intensity of water usage (excluding seawater): 25.6% reduction compared to 2019 (improvement)	☆☆☆
Emission management of chemical substances	Kuraray Group (Japan)	Chemical substance emissions: Management of emissions below the actual value for 2019	Chemical substance emissions: 894 tons (2019: 967 tons)	☆☆☆
	Kuraray Group (overseas)	Compliance with chemical substance emission regulations in each country / region where overseas production sites are located, and continue quantitative control	Complied with chemical substance emission regulations and implemented quantitative emission control.	☆☆

Material Flow in Business Activities

The Kuraray Group uses large amount of energy, chemical substances and water resources required for its business activities. We make quantitative surveys on the used raw materials, resources, products supplied outside the Group and emitted substances every year to help reduce environmental load associated with our business activities.

Material Flow in Business Activities (Fiscal 2022, Kuraray Group in Japan)



Collaboration with industry associations

The Kuraray Group has joined Japan Chemical Fibers Association (vice president), Japan Chemical Industry Association (member), and Japan Petrochemical Industry Association (member) to enhance our environmental management efforts, and engages in a broad range of activities, such as reduction of GHG emissions, energy conservation, reduction of chemical substance emissions, and prevention of marine plastic pollution, in cooperation with the industry in order to address global environmental issues.

About Us

- Corporate Overview
- Message from the President
- Corporate Statements
- Executives
- Organization Chart
- History
- Awards and Accolades
- Main Group Locations
- Corporate Profile Video
- covid19

Product Information

- Search by Business
- Search by Product Name
- Search by Key Word

R&D

- Basic Policy
- Technologies and Products
- Organization
- Progress
- Highlights

Sustainability

- Corporate Statements
- Kuraray Group Code of Conduct
- Kuraray Group Human Rights Policy
- TOP STATEMENT
- Sustainability Long-term Vision and Sustainability Medium-term Plan
- Materiality of Kuraray Group
- Planet
- Product
- People
- Governance
- GRI Standards Content Index
- Kuraray Report (integrated report) / Sustainability website

Investor Relations

- Management Policies
- IR News
- Learn about Kuraray
- Results and Financial Information
- IR Library
- Stock Data
- IR Calendar
- FAQ

