

Pollution Prevention

Policies and Strategies

While chemical substances are indispensable in our daily lives, improper management can cause environmental pollution and have harmful effects on human health and living environments.

With this in mind, the Furukawa Company Group appropriately manages risks and works to reduce emissions of volatile organic compounds (VOCs) and other chemical substances in accordance with global laws, regulations, and trends. In fiscal 2025, we revised our Fourth Medium-Term Reduction Targets to include a new target: reduce the release and transfer of hazardous chemical substances (PRTR*³ substances). To achieve this, we are promoting resource-saving initiatives and the substitution of alternative materials at each site.

Through these initiatives, we strive to mitigate and prevent the potential impact of chemical substances and other pollutants on the Group, while also reducing and avoiding environmental impacts on the global ecosystem.

*³ PRTR(Pollutant Release and Transfer Register): Notification system for release and transfer of chemical substances

Governance Framework

Risk Management

For details on our governance framework and risk management, please refer to the Environmental Management section.

[Environmental Management \(P.13\)](#)

Metrics and Targets

FY2024 Targets:

- Reduce use of hazardous chemical substances (PRTR substances)*⁴: Reduce from previous fiscal year

FY2024 Results:

- 4.1% year-on-year increase in use of hazardous chemical substances (PRTR substances)*⁴

*⁴ Consolidated results

Initiatives

Promoting Safe Operations through Rigorous Management of Chemical Substances

Within the Group, Furukawa Denshi Co., Ltd., and Furukawa Chemicals Co., Ltd., handle numerous hazardous and toxic substances as raw materials for their products. In accordance with our Chemical Substance Management Regulations, we ensure thorough employee education on proper protective equipment use, secure storage, and accurate transaction recordkeeping. By also conducting risk assessments, we strive to prevent chemical-related accidents and maintain safe operations.

Emission and Transfer of Substances Required to Be Reported under the PRTR System

Among chemical substances used within our Group, the total volume of PRTR substances handled in fiscal 2024—including emissions and transfers from manufactured and sold products—increased 4.0% year on year. This was mainly due to higher production at some Group companies that make and sell chemical substances. However, as part of our efforts to reduce handling volumes, an overseas Group company, TAIAN FURUKAWA UNIC CRANE CO., LTD., improved its painting process and successfully reduced xylene emissions into the atmosphere by approximately 95% year on year.

● Emission and Transfer of Substances Required to Be Reported under the PRTR System*⁵

Unit: kg/year (mg-TEQ/year for dioxins only)

Substance Number	Chemical Substance	Emissions								Volume Transferred			
		Atmosphere		Public waters		Soil		Landfill at works		Transfer to sewage		Outside of works	
		2023	2024	2023	2024	2023	2024	2023	2024	2023	2024	2023	2024
31	Antimony and its compounds	0	0	0	0	0	0	0	0	0	0	0	0
53	Ethylbenzene	27,459	33,931	0	0	0	0	0	0	0	0	2,057	1,956
75	Cadmium and its compounds	0	0	0	0	0	0	0	0	0	0	5	2,699
80	Xylene	40,330	38,123	0	0	0	0	0	0	0	0	8,523	7,869
87	Chromium and chromium (III) compounds	1	6	0	0	0	0	0	0	0	0	49	46
132	Cobalt and its compounds	0	0	0	0	0	0	0	0	0	0	39	11
243	Dioxins	28	38	0	0	0	0	0	0	0	0	180	390
272	Copper salts (water-soluble, except complex salts)	0	0	0	0	0	0	0	0	4	10	0	0
300	Toluene	40,094	38,843	0	0	0	0	0	0	0	0	3,972	3,512
308	Nickel	0	1	0	0	0	0	0	0	0	0	2	7
374	Arsenic and its inorganic compounds	9	5	0	0	0	0	0	0	0	0	1,671	1,665
412	Manganese and its compounds	13	18	0	0	0	0	0	0	0	0	244	93
438	Methylnaphthalene	20	8	0	0	0	0	0	0	0	0	0	0
453	Molybdenum and its compounds	1	0	0	0	0	0	0	0	0	0	29	7
691	Trimethylbenzene	5,358	3,782	0	0	0	0	0	0	0	0	335	432
697	Lead and other compounds	0	0	0	0	0	0	0	0	0	0	0	1
720	2-tert-Butoxyethanol	122	1,065	0	0	0	0	0	0	0	0	0	0
737	Methyl isobutyl ketone	3,741	4,755	0	0	0	0	0	0	0	0	88	208
—	Non-reportable substances	919	863	10	8	0	0	0	0	0	0	1,084	798
FY2024 total (excluding dioxins)		118,067	121,400	10	8	0	0	0	0	4	10	18,098	19,304

*⁵ In fiscal 2022, data was calculated from major domestic production sites, and in fiscal 2023, it was on a consolidated basis including overseas sites.