

Detailed Data Related to Sustainability (Environment)

Trends in Environmental Performance

Responses to climate change

(1) CO₂ emissions

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 | FY2030 (Targets) |
|---|-------------------|---------|-----------|-----------|---------|---------|------------------|
| Scope 1+2 (market-based) | t-CO ₂ | 205,229 | 246,271 | 181,658 | 156,452 | 135,088 | 128,000 |
| Scope 1 | t-CO ₂ | 76,194 | 97,007 | 85,892 | 81,257 | 79,067 | — |
| Scope 2 (market-based) | t-CO ₂ | 129,035 | 149,264 | 95,767 | 75,195 | 56,021 | — |
| Scope 3 | t-CO ₂ | 997,543 | 1,194,306 | 1,096,662 | 956,803 | 987,746 | 895,729 |
| 01. Purchased goods and services | t-CO ₂ | 796,416 | 939,317 | 856,363 | 718,156 | 761,352 | — |
| 02. Capital goods | t-CO ₂ | 30,184 | 39,047 | 49,627 | 65,400 | 49,044 | — |
| 03. Fuel and related activities not included in Scope 1 & 2 | t-CO ₂ | 36,035 | 44,845 | 40,021 | 38,780 | 39,600 | — |
| 04. Upstream transportation and distribution | t-CO ₂ | 69,441 | 92,541 | 81,313 | 69,945 | 72,042 | — |
| 05. Waste generated in operations | t-CO ₂ | 8,585 | 12,692 | 9,634 | 6,101 | 5,890 | — |
| 06. Business travel | t-CO ₂ | 1,480 | 1,962 | 2,302 | 2,331 | 2,331 | — |
| 07. Employee commuting | t-CO ₂ | 3,430 | 5,462 | 4,694 | 5,433 | 5,304 | — |
| 08. Upstream leased assets* 1 | — | — | — | — | — | — | — |
| 09. Downstream transportation and distribution* 2 | — | — | — | — | — | — | — |
| 10. Processing of sold products* 3 | — | — | — | — | — | — | — |
| 11. Use of sold products* 4 | — | — | — | — | — | — | — |
| 12. Disposal of sold products | t-CO ₂ | 42,652 | 49,162 | 43,001 | 39,977 | 42,998 | — |
| 13. Downstream leased assets* 1 | — | — | — | — | — | — | — |
| 14. Franchises* 1 | — | — | — | — | — | — | — |
| 15. Investments | t-CO ₂ | 9,320 | 9,278 | 9,705 | 10,681 | 9,186 | — |

* The scope of aggregation covers Sumitomo Bakelite Co., Ltd. and its consolidated subsidiaries.

*1 Not applicable due to business characteristics

*2 Transportation and distribution beyond the point where the Group acts as the shipper is excluded from the scope, as detailed information cannot be obtained and calculation is difficult.

*3 The Group's main products are materials with diverse applications and processing methods, making detailed determination difficult, and therefore, these products are excluded in accordance with the guidelines for the chemical sector established by the WBCSD.

*4 The products sold by the Group generate no CO₂ emissions at the time of use, and therefore are excluded.

(2) Energy

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|--------------------|-------------|--------|--------|--------|--------|--------|
| Energy consumption | thousand GJ | 2,433 | 3,013 | 2,747 | 2,629 | 2,693 |

* The scope of aggregation covers Sumitomo Bakelite Co., Ltd. and its consolidated subsidiaries.

* SB PAX Co., Ltd. is not included in energy consumption for FY2020 to FY2023.

Waste material

(1) Breakdown of material losses

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 | FY2030 (Targets) |
|--------------------|------|--------|--------|--------|--------|----------|------------------|
| Material loss | | 25,311 | 30,577 | 27,738 | 25,106 | 26,443 ✓ | 22,610 |
| Valuable materials | t | 9,034 | 11,044 | 11,050 | 9,667 | 10,050 | 8,905 |
| Waste generated | | 16,277 | 19,533 | 16,687 | 15,439 | 16,392 | 13,704 |

* The scope of aggregation covers Sumitomo Bakelite Co., Ltd. and its consolidated subsidiaries.

(2) Breakdown of waste material

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 | FY2030 (Targets) |
|----------------------------------|------|--------|--------|--------|--------|----------|------------------|
| Waste generated | | 16,277 | 19,533 | 16,687 | 15,439 | 16,392 ✓ | 13,704 |
| Landfill | | 3,324 | 3,609 | 3,843 | 3,525 | 3,690 | — |
| External intermediate processing | t | 3,027 | 4,913 | 3,603 | 2,768 | 2,772 | — |
| Internal intermediate processing | | 85 | 117 | 88 | 55 | 30 | — |
| External recycling | | 9,841 | 10,894 | 9,154 | 9,091 | 9,900 | — |

* The scope of aggregation covers Sumitomo Bakelite Co., Ltd. and its consolidated subsidiaries.

Raw materials and products

(1) Raw materials

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|----------------------------|------|---------|---------|---------|---------|---------|
| Raw materials for resins | | 151,594 | 177,428 | 155,033 | 137,102 | 139,325 |
| Resins | t | 56,599 | 62,427 | 44,986 | 55,864 | 57,892 |
| Base materials and fillers | | 75,826 | 88,681 | 87,739 | 71,306 | 86,509 |
| Solvents | | 8,101 | 9,325 | 8,199 | 6,927 | 8,402 |

* The scope of aggregation covers Sumitomo Bakelite Co., Ltd. and its consolidated subsidiaries.

(2) Products

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|----------|------|---------|---------|---------|---------|---------|
| Products | t | 343,630 | 389,488 | 342,008 | 319,703 | 314,538 |

* The scope of aggregation covers Sumitomo Bakelite Co., Ltd. and its consolidated subsidiaries (excluding Medical Products Business products and Waterproof Business products that cannot be counted by mass).

Water risks

(1) Intake water

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---------------------------|-------------------------|--------|--------|--------|--------|---------|
| Total water intake volume | | 5,089 | 5,855 | 5,436 | 5,471 | 5,210 ✓ |
| Utility water | thousand m ³ | 745 | 1,172 | 1,137 | 1,116 | 1,127 |
| Industrial water | | 595 | 659 | 613 | 608 | 604 |
| Groundwater | | 3,749 | 4,024 | 3,686 | 3,748 | 3,479 |

* The scope of aggregation covers Sumitomo Bakelite Co., Ltd. and its consolidated subsidiaries.

(2) Discharges

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|------------------------|----------------------------|--------|--------|--------|--------|--------|
| Total discharge volume | thousand m ³ | 5,531 | 6,025 | 5,859 | 6,523 | 5,730 |
| As sewage | | 617 | 641 | 609 | 649 | 638 |
| Seas/rivers | | 4,914 | 5,383 | 5,250 | 5,875 | 5,092 |
| COD | t | 22 | 21 | 23 | 24 | 19 |

* The scope of aggregation for discharge volume covers Sumitomo Bakelite Co., Ltd. and its consolidated subsidiaries and for COD covers business in Japan only. The volume of drainage discharged into sewages is calculated based on the breakdown of total usage, and the volume of drainage discharged into seas/rivers is calculated from waste water flow meters and water intake volumes.

Management of chemical substances**(1) Chemical substance emissions**

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 | FY2030 (Targets) |
|-----------------------------------|------|--------|--------|--------|--------|--------|---------------------|
| Chemical substance emissions | t | 243 | 302 | 304 | 270 | 271 | 208 |
| Volatile Organic Compounds (VOCs) | t | — | — | 294 | 270 | 270 | — |

* The scope of aggregation covers Sumitomo Bakelite Co., Ltd. and its consolidated subsidiaries.

(2) Others

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---------------|------|--------|--------|--------|--------|--------|
| SOx | t | 6 | 8 | 7 | 7 | 7 |
| NOx | | 20 | 14 | 12 | 11 | 9 |
| Soot and dust | | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |

* SOx, NOx, and soot and dust are calculated using the Company's own formula based on exhaust gas analysis results, fuel usage amounts, and other variables and includes only domestic data.

Definitions/Calculation Method**CO₂ emissions and energy consumption (GJ)**

CO₂ emissions* are calculated based on the Manual for Calculating and Reporting Greenhouse Gas Emissions, Ver. 6.0 (Ministry of the Environment and Ministry of Economy, Trade and Industry; March 2025).

- For city gas, the coefficient for each business released by each company is used.
- Emission coefficients for each electric utility published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry were used. Adjusted emission coefficients were used until FY2023, but in accordance with changes in the greenhouse gas emissions accounting, reporting, and disclosure system, base emission factors (adjusted for non-fossil fuel sources) have been used since FY2024.

* GHG emissions quantification is subject to uncertainty when measuring activity data, determining emission factors, and considering scientific uncertainty inherent in the Global Warming Potentials.

All energy consumptions were calculated as joules (J).

- Amount of energy consumption (J) for fuel and heat (steam, hot water, and cold water other than for industrial use) used were calculated based on the unit calorific value per fuel and heat stipulated in the Act on Rationalization of Energy Use and Shift to Non-fossil Energy and its ordinance.
- Electricity consumption is calculated including all electricity purchased from electricity providers through the electricity grid and electricity from renewable energy sources generated in-house.

Overseas business locations use the applicable domestic laws of each country.

- In the calculation of CO₂ emissions for electricity, the latest CO₂ coefficient at the start of the fiscal year of each provider supplying each business site is used.
- In case the emissions coefficient of the electricity provider is unknown, the coefficient as of the start of each fiscal year for which data is released by the International Energy Agency is used.
- For natural gas, the crude oil conversion coefficient and CO₂ emission factor are determined based on data published by the gas supplier, but if the necessary data are not publicly available, the IEA KEY WORLD ENERGY STATISTICS and CO₂ Emissions from Fuel Combustion standard values are used:

- Unit calorific value: 39.263 [GJ/10³m³ N]
- Carbon emission factor per unit calorific value: 0.0138 [t-C/GJ]

In addition, our Company does not emit any greenhouse gases (CH₄, N₂O, HFC, SF₆, NF₃ other than CO₂ that meet the reporting requirements of Act on Promotion of Global Warming Countermeasures.

Material loss

Total of the volume of waste generated and the volume of valuable materials. Waste generated owing to the retirement of facilities, repairs, building demolition (in-house demolition work), etc., is not included in the scope of waste, nor is dismantling scrap material of value sold, facilities resold, or construction material waste (for which a manifest is issued by the Company).

<Waste generated>

Industrial and general waste generated by business sites and amounts of internal intermediate processing. Definitions of each type of waste are as follows.

- (1) Landfill: waste disposed of in landfills by the Company or outsourced contractors
- (2) External intermediate processing: waste incinerated or treated by other means by outsourced contractors (without energy recovery)
- (3) Internal intermediate processing: waste incinerated or treated by other means in-house (without energy recovery)
- (4) External recycling (expenses paid): waste recycled with payment made to cover processing costs (including energy recovery)

<Valuable materials>

Materials other than products and raw materials that are generated from business sites and are sold for value and recycled (including energy recovery).

Chemical substance emissions

Total emissions of PRTR survey substances targeted by the Japan Chemical Industry Association (JCIA) into the air, bodies of water, and the soil (aggregate volume).

* Includes substances subject to the Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement (PRTR System)

The calculation method is based on the latest Manual for Calculating PRTR Emissions (Ministry of the Environment and Ministry of Economy, Trade and Industry).

Response to Act on the Rational Use of Energy/Promotion of Global Warming Countermeasures

| Group Companies | Item | Unit | FY2020 Results | FY2021 Results | FY2022 Results | FY2023 Results* | FY2024 Results |
|------------------------------------|---|---------------------------|----------------|----------------|----------------|--------------------|----------------|
| Sumitomo Bakelite Co., Ltd. | | | | | | | |
| | CO ₂ emissions | t-CO ₂ | 62,162 | 57,064 | 31,172 | 27,482 | 26,336 |
| | Energy consumption | Crude oil equivalent (kL) | 32,754 | 34,453 | 31,795 | (30,823) 29,326 | 28,460 |
| | Year-on-year intensity of energy usage | % | 96.6 | 97.3 | 103.3 | 96.6 | 91.4 |
| | Average change in intensity over 5 fiscal years | % | 97.4 | 89.4 | 93.1 | 94.1 | 92.6 |
| Kyushu Sumitomo Bakelite Co., Ltd. | | | | | | | |
| | CO ₂ emissions | t-CO ₂ | 5,144 | 6,031 | 1,200 | 1,175 | 1,040 |
| | Energy consumption | Crude oil equivalent (kL) | 2,962 | 3,278 | 3,055 | (3,064) 2,821 | 2,796 |
| | Year-on-year intensity of energy usage | % | 104.6 | 92.5 | 97.5 | 104.8 | 95.5 |
| | Average change in intensity over 5 fiscal years | % | 97.9 | 98.3 | 98.7 | 99.7 | 97.5 |
| Akita Sumitomo Bakelite Co., Ltd. | | | | | | | |
| | CO ₂ emissions | t-CO ₂ | 5,126 | 5,161 | 3,412 | 3,333 | 3,311 |
| | Energy consumption | Crude oil equivalent (kL) | 2,118 | 2,507 | 2,134 | (2,067) 2,006 | 1,998 |
| | Year-on-year intensity of energy usage | % | 100.0 | 94.3 | 93.4 | 103.7 | 93.3 |
| | Average change in intensity over 5 fiscal years | % | 97.1 | 97.3 | 97.2 | 97.8 | 95.9 |

| S.B. Sheet Waterproof Systems Co., Ltd. | | | | | | | |
|---|---------------------------|------------------------|--------|---------------------------------------|------------------|-------|--|
| CO ₂ emissions | t-CO ₂ | 2,743 | 2,221 | Not reported, as it is not applicable | | | |
| Energy consumption | Crude oil equivalent (kL) | 1,397 | 1,428 | | | | |
| Year-on-year intensity of energy usage | % | 100.1 | 102.2 | | | | |
| Average change in intensity over 5 fiscal years | % | 96.0 | 98.1 | | | | |
| SB-Kawasumi Laboratories, Inc. | | | | | | | |
| CO ₂ emissions | t-CO ₂ | 11,688 | 10,940 | 4,480 | 4,095 | 3,752 | |
| Energy consumption | Crude oil equivalent (kL) | 6,450 | 6,135 | 5,397 | (4,926) 4,602 | 4,264 | |
| Year-on-year intensity of energy usage | % | 99.5 | 94.4 | 92.2 | 92.4 | 94.2 | |
| Average change in intensity over 5 fiscal years | % | 99.2 | 98.2 | 95.0 | 95.0 | 93.3 | |
| SB PAX Co., Ltd. | | | | | | | |
| CO ₂ emissions | t-CO ₂ | Data added from FY2024 | | | | 1,651 | |
| Energy consumption | Crude oil equivalent (kL) | | | | | 1,689 | |
| Year-on-year intensity of energy usage | % | | | | | 106.9 | |
| Average change in intensity over 5 fiscal years | % | | | | | 102.0 | |

* Figures in () are based on the standards before the revisions to the Act on the Rational Use of Energy in April 2023.

Energy Conservation in Distribution

| Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 * | FY2024 |
|---|---------------------------|--------|--------|--------|---------------|--------|
| Transportation ton-kilometer | thousand t-km | 34,486 | 38,302 | 33,945 | 31,618 | 35,728 |
| CO ₂ emissions | t-CO ₂ | 4,926 | 5,412 | 4,739 | 4,064 | 4,709 |
| Energy consumption | Crude oil equivalent (kL) | 1,862 | 2,045 | 1,792 | (1,519) 1,530 | 1,770 |
| Year-on-year intensity of energy usage | % | 99.1 | 98.9 | 98.9 | 91.0 | 102.4 |
| Average change in intensity over 5 fiscal years | % | 100.2 | 99.4 | 99.2 | 96.9 | 97.7 |

* Figures in () are based on the standards before the revisions to the Act on the Rational Use of Energy in April 2023.

Fiscal Year and Accumulated Investments for Environmental Protection

| Item | Unit | FY2000 | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|------------------|-------------|--------|--------|--------|--------|--------|--------|
| Fiscal year | million yen | 235 | 243 | 303 | 315 | 340 | 901 |
| Cumulative total | million yen | 235 | 6,286 | 6,589 | 6,904 | 7,243 | 8,145 |

Transfer and Release of Substances Subject to the PRTR Act (FY2024 Performance)

The amounts of the 36 substances subject to the PRTR Act (PRTR system) released and transferred by the Group's business sites in Japan are presented in the table below.

| Government order number | Substance | Amount used () Manufactured | Release | | | Transfer | |
|-------------------------|--|---------------------------------------|----------|-------------------|-----------|-------------------|-----------|
| | | | Into air | Into water bodies | Into soil | As waste material | As sewage |
| | | | | | | | |
| 1 | Zinc compounds (water-soluble) | 16.8 | | | | | |
| 20 | Aniline | 186.9 | | | | 0.2 | |
| 42 | Alkylphenol (Limited to Alkyl group with a carbon number of nine.) | 3.9 | | | | | |
| 48 | Antimony and its compounds | 42.7 | | | | 0.9 | |
| 55 | 4,4'-Isopropylidenediphenol | 161.3 | | | | | |
| 73 | Ethylbenzene | 20.7 | 0.1 | | | 3.7 | |
| 75 | Ethylene oxide | 6.1 | 1.3 | | | | |
| 76 | Ethylene glycol monoethyl ether | 5.9 | | | | | |
| 101 | 2,4-xylene | 13.8 | | | | | |
| 102 | 2,6-xylene | 13.8 | | | | | |
| 103 | Xylene | 27.4 | 0.1 | | | 7.7 | |
| 105 | Silver and its water-soluble compounds | 8.2 | | | | | |
| 110 | Cresol | 1998.8 | | | | 1.2 | |
| 232 | 2,6-Di-tert-butyl-4-cresol | 2.0 | | | | | |
| 245 | Dimethylamine | 1.4 | | | | | |
| 264 | N, N- dimethyl formamide | 180.6 | 1.0 | | | 6.3 | |
| 274 | Organotin compound (Excluding Bis (tributyltin) oxide.) | 17.1 | | | | | |
| 296 | 1,3,5,7-Tetraazatricyclo [3.3.1.1 (3.7)] decane | 820.3 | | | | 10.2 | |
| 302 | Tetrahydrofuran | 22.8 | 9.7 | | | 3.8 | |
| 303 | Tetrahydromethylphthalic anhydride | 192.0 | | | | | |
| 319 | Melamine | 1027.1 | | | | | |
| 321 | Triethylamine | 1.1 | | | | | |
| 347 | Toluene | 67.2 | 0.9 | | | 1.8 | |
| 352 | Naphthalene | 1.7 | | | | | |
| 355 | Nickel compounds | 0.9 | | 0.2 | | | |
| 364 | Paraformaldehyde | 430.3 | | | | 4.2 | |
| 391 | Phenol | 19488.1 | 0.2 | 0.1 | | 28.2 | |
| 396 | Bis (2-ethylhexyl) phthalate | 197.9 | | | | 3.8 | |
| 418 | Furfural | 23.6 | | | | | |
| 453 | 1,2,4-benzene tricarboxylic acid 1,2-anhydride | 5.2 | | | | 0.4 | |
| 458 | Boron compounds | 130.9 | | 0.2 | | 0.8 | |
| 464 | Formaldehyde | 9114.9 | 0.4 | 0.2 | | 3.8 | |
| | | (7457.6) | 0.2 | | | | |
| 472 | Methyl isobutyl ketone | 19.3 | | | | | |
| 486 | Methylnaphthalene | 19.7 | 0.1 | | | | |
| 489 | N-methyl-2-pyrrolidone | 244.5 | | | | 71.9 | |
| 498 | Methylene bis (4, 1-phenylene) = diisocyanate | 3.2 | | | | | |

■ : Specific Class 1 designated chemical substances