

## Data Compilation

Reporting Period:

January 1 to December 31, 2022

**Table 1 SOx Emissions**

DIC Group (In Japan)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SOx (ton)	82	64	58	46	38	42	14	12	8	12	9	13
SOx emissions per unit of production (g/ton)	83	69	62	51	43	46	15	9	9	15	10	15

Note: SOx emissions per unit of production is the volume of SOx emitted per ton of production.

**Table 2 NOx Emissions**

DIC Group (In Japan)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
NOx (ton)	194	205	186	185	177	156	186	202	183	182	186	172
NOx emissions per unit of production (g/ton)	197	221	198	204	199	173	200	219	205	221	207	199

Note: NOx emissions per unit of production is the volume of NOx emitted per ton of production.

**Table 3 COD (chemical oxygen demand) Emissions in Wastewater**

DIC Group (In Japan)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
COD (ton)	483	473	495	530	844	831	783	810	850	723	940	854
COD emissions per unit of production (g/ton)	491	510	527	585	945	920	842	876	953	877	1,044	990

Note: COD emissions per unit of production is the volume of COD emitted per ton of production.

**Table 4 Volume of Industrial Waste Disposed of as Landfill**

DIC Group (In Japan)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Volume disposed of as landfill (ton)	158	106	86	80	139	183	148	204	217	167	199	173
Volume disposed of as landfill emissions per unit of production (kg/ton)	0.161	0.114	0.092	0.088	0.156	0.202	0.159	0.221	0.243	0.202	0.221	0.201

Note: Industrial waste disposed of as land II refers to the volume of industrial waste buried in land II sites after reduction (through desiccation or incineration) or directly.

DIC Group (Overseas)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Volume disposed of as landfill (ton)	-	31,271	22,059	23,539	27,230	24,739	21,726	24,976	20,233	19,058	14,702	17,041
Volume disposed of as landfill emissions per unit of production (kg/ton)	-	27	16	23	27	24	11	24	16	15	11	12

DIC Group (Global)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Volume disposed of as landfill (ton)	-	31,377	22,145	23,619	27,230	24,922	23,743	26,994	20,450	19,224	14,902	17,214
Volume disposed of as landfill emissions per unit of production (kg/ton)	-	13	9	12	14	13	8	13	9	9	7	7

**Table 5 Energy Consumption**

\* Energy consumption per unit of production is calculated using adjusted production volume (parentcompany in Japan only.)

(Notification submitted to Japan's Ministry of Economy, Trade and Industry)

DIC Group (In Japan)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Energy consumption (1,000GJ)	5,045	4,408	4,399	4,337	4,256	4,314	4,314	4,255	4,184	3,776	4,183	4,028
Energy consumption per unit of production(GJ/t)	4.574	4.347	4.170	4.147	3.714	4.010	3.914	3.904	3.706	3.743	3.656	3.687

Note: Energy consumption per unit of production is the volume of energy consumed per ton of production.

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Energy consumption (MWH)	989,845	847,529	836,909	834,168	845,444	875,670	851,201	833,287	818,571	738,013	817,343	781,181
Energy consumption per unit of production (MWH/t)	0.897	0.836	0.793	0.798	0.738	0.814	0.772	0.765	0.725	0.720	0.714	0.715

Note: Energy consumption per unit of production is the volume of energy consumed per ton of production.

DIC Group (Overseas)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Energy consumption (1,000GJ)	6,771	7,356	8,090	-	-	-	-	-	6,533	6,552	6,290	10,541
Energy consumption per unit of production(GJ/t)	6.365	6.317	5.701	-	-	-	-	-	5.049	5.236	4.640	7.193

Note: Energy consumption per unit of production is the volume of energy consumed per ton of production.

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Energy consumption (MWH)	1,184,148	1,260,671	1,371,891	-	-	-	-	-	1,120,250	1,119,798	1,098,218	1,970,842
Energy consumption per unit of production (MWH/t)	1.113	1.083	0.967	-	-	-	-	-	0.866	0.895	0.810	1.345

Note: Energy consumption per unit of production is the volume of energy consumed per ton of production.

DIC Group (Global)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Energy consumption (1,000GJ)	11,816	11,765	12,489	-	-	-	-	-	10,717	10,379	11,054	14,569
Energy consumption per unit of production(GJ/t)	5.453	5.400	5.048	-	-	-	-	-	4.423	4.559	4.189	5.695
Energy consumption index	-	-	100	-	-	-	-	-	88	90	83	113

Note: Energy consumption per unit of production is the volume of energy consumed per ton of production.

The energy consumption index compares the change in consumption per unit of production with scal 2013 as the base year.

Fiscal year	2013(Base year)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Energy consumption (MWH)	2,173,993	2,108,200	2,208,800	-	-	-	-	-	-	1,938,821	1,857,811	1,915,561	2,752,023
Energy consumption per unit of production (MWH/t)	1.003	0.968	0.893	-	-	-	-	-	-	0.800	0.816	0.766	1.076
Energy consumption index	-	-	100	-	-	-	-	-	-	90	91	86	120
Renewable Energy Consumption (MWH)	-	-	-	-	-	-	-	-	-	180,832	217,095	221,192	235,802

Note: Energy consumption per unit of production is the volume of energy consumed per ton of production

The energy consumption index compares the change in consumption per unit of production with scal 2013 as the base year.

**Table 6 CO2 Emissions**

\* CO2 emissions per unit of production is calculated using adjusted production volume (parentcompany in Japan only.)

(Notification submitted to Japan's Ministry of Economy, Trade and Industry)

DIC Group (In Japan)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
CO2 emissions (ton)	258,429	229,718	251,739	261,644	257,128	250,516	255,105	243,073	232,028	209,018	224,916	208,231
CO2 emissions per unit of production (kg/ton)	234	226	239	250	224	233	231	223	206	204	197	191

Notes: CO2 emissions per unit of production is the volume of CO2 emitted per ton of production.

DIC Group (Overseas)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
CO2 emissions (ton)	388,730	415,176	451,703	-	-	-	-	-	361,065	342,032	364,069	512,212
CO2 emissions per unit of production (kg/ton)	365	357	318	-	-	-	-	-	279	273	269	350

Notes: CO2 emissions per unit of production is the volume of CO2 emitted per ton of production.

DIC Group (Global)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
CO2 emissions (ton)	647,159	644,893	703,443	-	-	-	-	-	593,093	551,049	588,985	720,444
CO2 Scope1 emissions (ton)	303,123	265,205	268,083	-	-	-	-	-	270,647	253,064	292,063	341,610
CO2 Scope2 emissions (ton)	344,036	379,688	435,359	-	-	-	-	-	322,446	297,986	273,379	378,834
CO2 Scope2 emissions(ton) Location-based	-	-	441,773	-	-	-	-	-	326,301	303,573	301,378	401,169
CO2 Scope2 emissions (ton) Market-based	-	-	435,359	-	-	-	-	-	322,446	297,986	273,379	378,834
CO2 emissions per unit of production (kg/ton)	299	296	284	-	-	-	-	-	245	242	236	282
CO2 emission index	-	-	100	-	-	-	-	-	86	85	83	99

Notes: CO2 emissions per unit of production is the volume of CO2 emitted per ton of production.

CO2 emission index compares the change in emissions per unit of production with scal 2013 as the base year.

**Table 7 Water Consumption and Wastewater Emissions**

DIC Group (In Japan)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Water consumption (1,000 m <sup>3</sup> )	14,291	14,362	14,542	12,458	30,663	30,513	32,327	29,261	27,925	26,902	27,625	27,651
Water consumption per unit of production (m <sup>3</sup> /ton)	15	15	15	14	34	34	36	32	31	33	31	32
Waste water emissions (1,000 m <sup>3</sup> )	11,822	11,461	11,577	11,298	26,039	28,168	31,025	27,385	26,235	25,220	26,094	26,135
Waste water emissions per unit of production (m <sup>3</sup> /ton)	12	12	12	12	29	31	33	30	29	31	29	30

DIC Group (Global)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Water consumption (1,000 m <sup>3</sup> )	-	-	25,055	23,176	40,926	41,528	41,308	39,697	39,012	36,524	36,257	54,608
Water consumption per unit of production (m <sup>3</sup> /ton)	-	-	11	12	21	21	21	20	18	18	16	23
Waste water emissions (1,000 m <sup>3</sup> )	-	-	14,930	14,363	29,396	37,593	38,822	35,802	35,401	32,937	32,574	51,036
Waste water emissions per unit of production (m <sup>3</sup> /ton)	-	-	6	7	15	19	20	18	16	16	14	22

**Table 8 Emissions of PRTR and JCIA Chemicals**

DIC Group (In Japan)

Fiscal year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
PRTR and JCIA chemicals (ton)	759	567	466	367	394	397	396	394	572	354	273	234
Emissions per unit of production (kg/ton)	0.772	0.611	0.495	0.405	0.442	0.439	0.425	0.426	0.641	0.429	0.303	0.271