

**Environmental Data for Overseas Plants**

As of 31 December 2023

**Lion Corporation (Thailand) Ltd.**

Category		Year (ton)				
		2019	2020	2021	2022	2023
CO <sub>2</sub> emissions		35,200	34,600	16,500	14,300*	15,800*
Waste	Total waste generated	3,100	3,100	3,000	3,000	2,800
	Landfill waste	320	210	34	0	0
SOx emissions		1>	1>	1>	1>	1>
NOx emissions		4.8	6.2	1.3	6.1	10.7
COD		35	70	66	12	11

**Eastern Silicate Co., Ltd.**

Category		Year (ton)				
		2019	2020	2021	2022	2023
CO <sub>2</sub> emissions		22,900	25,600	33,100	27,000	20,300
Waste	Total waste generated	140	140	140	190	37
	Landfill waste	140	140	140	190	34
SOx emissions		1>	1>	1>	2	1>
NOx emissions		100	65	32	25	25.0
COD**		-	-	-	-	-

**Southern Lion Sdn. Bhd.**

Category		Year (ton)				
		2019	2020	2021	2022	2023
CO <sub>2</sub> emissions		13,800	14,100	14,200	14,800	14,800
Waste	Total waste generated	140	190	110	240	310
	Landfill waste	28	65	100	75	47
SOx emissions		1>	1>	1>	1>	1>
NOx emissions		0	0	0	0	0.0
COD		1.5	1.3	7.6	1>	1>

**Lion Corporation(Korea)**

Category		Year (ton)				
		2019	2020	2021	2022	2023
CO <sub>2</sub> emissions		12,300	12,000	11,700	11,100	12,000
Waste	Total waste generated	750	460	450	560	800
	Landfill waste	550	390	280	0	340
SOx emissions		0	0	1>	1>	1>
NOx emissions		0	0	0	1>	1.9
COD		2.1	1.9	1>***	1***	1>***

**Lion Daily Necessities Chemicals (Qingdao) Co., Ltd.**

Category		Year (ton)				
		2019	2020	2021	2022	2023
CO <sub>2</sub> emissions		1,360	1,300	1,450	1,490	1,710
Waste	Total waste generated	51	48	65	100	85
	Landfill waste	0	0	22	47	27
SOx emissions		0	0	0	0	0
NOx emissions		0	0	0	0	0.0
COD		2.4	2.1	2.7	5.0	5.5

\*Excluding the amount purchased with carbon credits. CO2 emissions without deduction are Y2022 : 29,800 tons, Y2023 : 31,700 tons.

\*\*Eastern Silicate Co., Ltd. has no COD because there is no direct drainage.

\*\*\*Lion Corporation (Korea) COD from 2021 is TOC.

• For the calculation of CO2 emissions, Lion Corporation (Thailand) Ltd. and Eastern Silicate Co., Ltd. used the coefficients of the supplier company as CO2 emission conversion factors for electricity and steam. Other sites used the International Energy Agency's (IEA) coefficient for CO2 emissions conversion factors for electricity. In addition, Lion Daily Necessities Chemicals (Qingdao) Co., Ltd. used the CO2 emissions conversion factor for steam in the People's Republic of China.

• CO2 emissions from fuels other than those listed above are calculated with the calculation method and conversion factors based on "the greenhouse gas emissions accounting and reporting manual of the Accounting and Reporting System (ver4.9)" published by the Japanese Ministry of Environment and the Ministry of Economy, Trade and Industry.