

**Environmental Data for Lion Corporation (Japan)**

As of 31 December 2024

**■Chiba Plant**

Category	Year (ton)					
	2020	2021	2022	2023	2024	
CO <sub>2</sub> emissions	11,800	11,600	11,400	3,640	3,360	
Waste	Total waste generated	1,200	1,100	1,000	1,300	1,200
	Landfill waste	0	0	0	0	0
SOx emissions	1>	1>	1>	1>	0	
NOx emissions	2.2	2.2	1.6	1.4	1.4	
COD	1>	1>	1>	1>	1>	

**■Odawara Plant**

Category	Year (ton)					
	2020	2021	2022	2023	2024	
CO <sub>2</sub> emissions	6,280	6,390	6,100	1,270	1,250	
Waste	Total waste generated	480	470	460	950	690
	Landfill waste	0	0	0	0	0
SOx emissions	0	0	0	0	0	
NOx emissions	1>	1>	1>	1>	1>	
COD	2.3	2.8	3.1	2.6	1.9	

**■Osaka Plant**

Category	Year (ton)					
	2020	2021	2022	2023	2024	
CO <sub>2</sub> emissions	5,550	6,230	4,090	1,470	1,290	
Waste	Total waste generated	350	140	760	1,000	2,000
	Landfill waste	0	0	0	0	0
SOx emissions	0	0	0	0	0	
NOx emissions	1>	1>	1>	1>	1>	
COD	1>	1>	1>	1>	1>	

**■Akashi Plant**

Category	Year (ton)					
	2020	2021	2022	2023	2024	
CO <sub>2</sub> emissions	2,870	3,450	3,080	926	867	
Waste	Total waste generated	360	350	330	370	360
	Landfill waste	0	0	0	0	0
SOx emissions	0	0	0	0	0	
NOx emissions	1>	1>	1>	1>	1>	
COD	14	14	20	13	14	

**■Lion Chemical Co.,Ltd.**
**Fine Chemical Production Site**

Category	Year (ton)					
	2020	2021	2022	2023	2024	
CO <sub>2</sub> emissions	13,000	12,800	12,600	8,340	8,620	
Waste	Total waste generated	750	690	780	710	510
	Landfill waste	0	0	0	0	0
SOx emissions	0	0	0	0	0	
NOx emissions	0	0	0	0	0.0	
COD	3.2	4.2	4.1	3.4	2.5	

**■Lion Chemical Co.,Ltd.**
**Oleochemical Production Site**

Category	Year (ton)					
	2020	2021	2022	2023	2024	
CO <sub>2</sub> emissions	8,230	13,400	16,200	6,450	6,300	
Waste	Total waste generated	540	1,200	1,000	900	940
	Landfill waste	0.3	0.0	0.0	0.0	0.0
SOx emissions	2.5	2.3	2.4	2.6	2.5	
NOx emissions	4.1	4.4	4.4	4.7	4.3	
COD	1>	1>	1>	1>	1>	

**■Lion Specialty Chemicals Co.,Ltd.**
**Ono Office**

Category	Year (ton)					
	2020	2021	2022	2023	2024	
CO <sub>2</sub> emissions	2,860	2,850	2,840	1,770	1,610	
Waste	Total waste generated	2,700	2,800	3,300	2,600	2,700
	Landfill waste	2.0	2.1	0.0	0.0	0.0
SOx emissions	1.1	1>	1>	1>	1>	
NOx emissions	1.4	1.2	1.0	1.3	1.0	
COD	1>	1>	1>	1>	1>	

**■Lion Specialty Chemicals Co.,Ltd.**
**Yokkaichi Office**

Category	Year (ton)					
	2020	2021	2022	2023	2024	
CO <sub>2</sub> emissions	11,100	11,700	11,600	9,490	9,680	
Waste	Total waste generated	350	300	350	410	310
	Landfill waste	2.1	2.2	2.9	1.7	1.3
SOx emissions	1>	1>	1>	1>	1>	
NOx emissions	20	18	17	15	17	
COD	1>	1>	1>	1>	1>	