

Description of the legal person concerned

Seppic - Company registered at 75 Quai d'Orsay 75321 Paris Cedex 07 - France

SIREN code: 552016487 - NAF code: 4675 Z

Business: SEPPIC, a wholly owned subsidiary of the Air Liquide Group, develops, manufactures and markets innovative specialty ingredients for the cosmetic, nutraceutical, pharmaceutical, vaccine and industrial specialty markets.

Organizational scope applied

Castres site (production facility and laboratories)

Address: 127, Chemin de la Poudrerie BP 228 81105 Castres Cedex - France

Paris site

Address: Business and administrative headquarters 50 Boulevard National, 92250 La Garenne-Colombes - France

Serdex

Address: 1 Avenue Normandie Niemen 64140 Lons - France

BiotechMarine

Address: B.P. 72, Zone industrielle, 22260 Pontrieux - France

Consolidation method applied: Operational

Number of employees France: 595

Operational scope applied

All scope emissions (1 + 2 + 3), i.e.:

- Direct emissions (items 1 to 5)
- Indirect emissions related to energy (items 6 and 7)
- Other indirect GHG emissions (items 8 to 23)

All GHG sources are assessed. However, non-significant and zero items are not reflected in the following tables.

Reporting year and reference year

Reporting year: 2018

Reference year: 2017 Previous reference year: 2011

Direct greenhouse gas emissions, by item in tons of CO₂-equivalent

		2011	2017	2018	Change 2018/2017
Numbers	Emission items	tCO ₂ e	tCO ₂ e	tCO ₂ e	tCO ₂ e
1	Direct emissions from stationary combustion sources	4,773	5,248	5,293	+45
2	Direct emissions from mobile combustion engine sources	315	10	7	-3
4	Direct fugitive emissions	86	48	40	-8
	Subtotal	5,174	5,306	5,340	+34

Scope 1 emissions remained largely stable between 2017 and 2018.

Indirect greenhouse gas emissions related to imported electricity, heat or steam production, by item in tons of CO₂-equivalent

		2011	2017	2018	Change 2018/2017
Numbers	Emission items	tCO ₂ e	tCO ₂ e	tCO ₂ e	tCO ₂ e
6	Indirect emissions related to electricity consumption	448	752	445	-307
	Subtotal	448	752	445	-307

Decrease in emissions as a result of the action plan for reducing electricity consumption between 2017 and 2018.

Other indirect greenhouse gas emissions, by item in tons of CO₂-equivalent

		2011	2017	2018	Change 2017/2018
Numbers	Emission items	tCO ₂ e	tCO ₂ e	tCO ₂ e	tCO ₂ e
8	Emissions related to energy not included in items 1 to 7	1,158	1,168	981	-187
9	Product and/or service procurement	64,542	53,749	56,741	+2,992
10	Fixed assets	1,737	4,087	4,312	+225
11	Waste	387	1,172	669	-503
12	Upstream transport of goods	26,004	6,716	7,041	+325
13	Business travel	1,159	1,278	1,175	-103
16	Visitor and customer transport	/	29	29	0
17	Downstream transport of goods + franchises	5,744	8,181	11,403	+3,222
19	End of life of sold products	11,867	5,054	6,143	+1,089
22	Commuting to work	/	456	554	+98
	Subtotal	112,622	81,890	89,048	+7,158

Despite an increase in our operational scope since 2011, (integration of two new entities) we can observe an overall decrease in our greenhouse gas emissions. The increase between 2017 and 2018 is due to an increase in our business leading to an increase in both inputs and freight overall.

GWPs (Global Warming Emissions) and EFs (Emission Factors)

The contribution of each GHG to the increase in the greenhouse effect is calculated using the 100-year GWPs updated based on the latest data published in the 4th IPCC report. The emission factors used are those of the Base Carbone®.

Reference year change

The reference year has been changed due to a significant change in the organizational scope with the acquisition of new subsidiaries, making the recalculation for the year 2011 (old reference year) overly complex. As the Serdex site was included in the CO₂ emission calculations for 2017, it was decided to use 2017 as the reference year.

Action plan

Seppic has implemented a plan to reduce its greenhouse gas emissions, which, amongst others, includes:

- Improving the energy efficiency of its production equipment and utility circuits
- Optimizing its manufacturing processes
- Insulating buildings
- Disseminating best practices: training, sustainable development week, etc.
- Recovering and recycling waste via new channels (methanization, etc.)
- Optimizing transport through a better packaging and container load filling rate
- A policy aimed at reducing internal (between subsidiaries) and external (to customers) air transport
- Rolling out new communication tools across the Group.
- Developing web and audio conferences to reduce employee travel between sites.

Moreover, SEPPIC SA is pursuing its ecodesign approach by focusing the development of its new products on biobased raw materials, processes that respect green chemistry principles and manufacturing technologies with reduced environmental impact in order to effectively and systematically take into account our strategic commitments.

GHGECF Contact

Person in charge of GHG emissions: carbon footprint:
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Report available on
www.seppic.com