Aptar

2022 SASB Index

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The Sustainability Accounting Standards Board (SASB) categorizes Aptar within its Containers and Packaging Industry, under its Sustainable Industry Classification System (SICS). Our SASB response is a supplement to our **2022 Corporate Sustainability Report and GRI Index**. This report highlights activities across Aptar global operations from January 1 through December 31, 2022. Our scope encompasses initiatives undertaken by Aptar and its subsidiaries during the calendar year unless otherwise indicated and data given within this report mirrors information given within our most recent sustainability report and/or CDP responses. Relevant links are provided.

Greenhouse Gas Emissions

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-110a.1		
	Gross global Scope 1 emissions, percentage covered under emissions-limiting regulations.	Gross global Scope 1 emissions in 2022: 25,790 metric tons CO_2e.

In 2022, we achieved a significant reduction (75%) in absolute Scope 1+2 GHG emission from 2019 baseline, surpassing our set Science Based Targets (SBT) for emissions reductions well below the 2° Celsius scenario (WB2ºC scenario). At year-end 2022, 97% of our total electricity consumption was from renewable energy sources, which on track to achieve 100% by 2030. As related to Scope 3 emissions, Aptar updated the internal screening and assessment identifying additional categories to the main categories following principles based on the size (significant contributions), influence (emission reduction actions influenced by Aptar) and risk (company's risks exposure). With this approach, Aptar, in compliance with SBT regulation and GHG Protocol Scope 3 Guidance, is reporting additional Scope 3 categories such as Downstream transportation and distribution, Employee commuting, Processing of sold products, End of Life of sold products and Investments. We report on our supplier engagement annually through the CDP climate change questionnaire, which gives every participating company a Supplier Engagement Rating (SER), and through our own EcoVadis assessment.

In early 2023, we received A rating on our SER performance and were recognized on the Supplier Engagement Leaderboard by CDP for the third consecutive year, for working with our suppliers on governance, targets, Scope 3 emissions and value chain engagement.

Due to significantly surpassing our original goals for emissions reduction to the WB2ºC scenario, we have worked to update these goals to be more ambitious. In early March 2023, Aptar was proud to announce that our Scope 1 and 2 absolute emissions reduction targets align to the 1.5°C scenario and have been validated by the Science Based Targets initiative (SBTi).

As of March 2023, Aptar's revised targets were officially validated by SBTi. They are as follows:

- Aptar commits to reduce absolute Scope 1 and 2 GHG emissions 82% by 2030 from a 2019 base year.
- Aptar commits to reduce absolute Scope 3 GHG emissions from purchased goods and services, upstream transportation and distribution, waste generated in operations, and downstream transportation and distribution 14% by 2030 from a 2019 base year.
- Aptar also commits to increase annual sourcing of renewable electricity from 57% in 2019 to 100% by 2030.

Aptar discloses Scope 1, 2 & 3 emissions data within our annual Sustainability Report and CDP Climate Change Response.
For recent information, please visit the relevant links below.

2022 Sustainability Report and GRI Index (PDF pages: 15 and 66-68)

CDP Climate Change Response

Science Based Target Validation Certificate

Greenhouse Gas Emissions

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-110a.2		
	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets.	Aptar formalized science-based targets (SBTs) in 2020, setting a Scope 1 + Scope 2 emissions reduction goal in line with "Well-Below 2 ºCelsius (WB2ºC)", a Scope 3 emissions reduction goal in line with "2 ºCelsius (2 ºC)", and a goal to increase the sourcing of renewable electricity to 100% by 2030. This science-based approach incorporates direction emissions from Aptar's own electricity, fuel oil, natural gas, and refrigerant usage (Scope 1 + 2), as well as emissions from operations within the value chain, including transportation of goods, raw materials, business travel and commuting (Scope 3).

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2022 Sustainability Report and GRI Index (PDF pages: 15 and 66-68)

Energy Use and Reporting

CDP Climate Change Response

Science Based Target Validation Certificate

Air Quality

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-120a.1		
	Air emissions of the following pollutants: 1) NO_X (excluding N_2O) 2) SO_X 3) Volatile organic compounds (VOCs) 4) Particulate matter (PM)	Aptar is currently not disclosing air emissions pollutants requested by SASB section RT-CP-120a.1, however we considered GHGs Kyoto Protocol emissions expressed as CO_2 equivalent including CO_2, CH_4, N_2O, HFCs, PFCs, SF_6, NF_3. Scope 1 total CO_2e direct emissions is 25,790 t CO_2e (of which 24,714 from CO_2, 278 from CH_4, 25 from N_2O, 773 from HFCs), equal to 5% of the total GHG emissions. Calculations were made according to the standard ISO 14064-1:2018 Quantification and Reporting of Greenhouse Gas Emissions and Removals. **2022 Sustainability Report and GRI Index (PDF pages: 66-68)** **CDP Climate Change Response** **2022 Verification Statement for ISO 14064-1 Compliant Greenhouse Gas Emissions (Categories 1-6)**

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Energy Management

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-130a.1		

	1) Total energy consumed
	2) Percentage grid electricity
	3) Percentage renewable
	4) Total self-generated energy
		In 2022,
		
		1) Total energy consumption:
		  a. total electricity: 573,871,681 KWH;
		  b. total natural gas and fuels: 122,204,742 KWH
		
		2) Percentage grid electricity: all purchased electricity is sourced from the grid. Aptar does not include self-generated electricity.
		
		3) Percentage of global electricity consumption coming from renewable sources: 97%.
		As a part of our science-based targets, Aptar is investigating ways to increase our renewable energy purchases. A list of Aptar sites sourcing renewable energy and additional information about our energy consumption can be found within our GRI Index.
		
		4) Total self-generated energy: Not applicable.
		
		2022 Sustainability Report and GRI Index (PDF pages: 61-62)
		CDP Climate Change Response
		2022 Verification Statement for ISO 14064-1 Compliant Greenhouse Gas Emissions (Categories 1-6)

Water Management

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-140a.1		
	1) Total water withdrawn 2) Total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress	In 2022, 1) Total water withdrawn: 3,914 megaliters 2) Total water consumption: 108 megaliters Water is not identified as a critically material indicator by our stakeholders because it is not a key raw material component in our processes. Most of our manufacturing facilities have closed loop water systems and, overall, Aptar sites consume less than three percent of our total water withdrawal. What we return to the ecosystem is often at a better quality than what was drawn, due to these internal closed loop and water treatment processes. We collect withdrawal and discharge water metrics from all sites monthly and report this information annually within the CDP Water questionnaire. During our most recent water-risk assessment, all of Aptar's manufacturing locations were mapped relative to regions of water risk via the World Wildlife Fund's Water Risk Filter, with particular attention on the physical-risk category, which poses the most immediate and potentially disruptive threats to business continuity. Through this assessment, four sites were identified as medium high or very-high physical risk. As reported via the CDP Water Questionnaire, these water-scarce sites are developing contingency plans if local water supplies fall below the level needed to maintain operations. Additionally, Aptar's site leaders are trained annual on water management and water circularity. This training provides examples of actions site leaders can take to reduce water consumption, reduce water risks, measure, monitor, and report on their water use. We believe that now is the time to act and plan to address potential water risks and stay ahead of risk and potential legislation in this area. **2022 Sustainability Report and GRI Index (PDF pages: 16 & 62-64)** **CDP Water Security Response**

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Water Management

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-140a.2		
	Description of water management risks and discussion of strategies and practices to mitigate those risks.	Water risks are assessed in alignment to the standards set by the Task Force for Climate-Related Financial Disclosures (TCFD) and incorporated into our Enterprise Risk Management processes. We do not anticipate significant risk due to water stress because of our closed loop systems and contingency plans. Detailed information about water management risks and strategies to mitigate those risks can be found within the most recent CDP response. **2022 Sustainability Report and GRI Index (PDF pages: 16 & 62-64)** **CDP Water Security Response** **Aptar's Task Force for Climate Related Financial Discourses (TCFD)**
RT-CP-140a.3		
	Number of incidents of non-compliance associated with water quality permits, standards, and regulations.	There were no incidents of water related non-compliance within the reporting year.

Waste Management

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-150a.1		
	Amount of hazardous waste generated, percentage recycled.	In 2022, total hazardous waste was 16,573 tons. Established in 2013, and based on the Zero Waste International Alliance protocol, Aptar's internal Landfill Free program (LFF) encourages the reduction, reuse and recycling of waste byproducts from our manufacturing processes. Since 2013, the program has been a focus initiative that is integrated into our global strategy. As of year-end 2022, 65% of all sites certified to the LFF program. These sites have proven, by third-party verification audit, to have at least 90 percent recycle/reuse of operational wastes. Aptar collects data regarding waste disposal amounts from all locations globally on a monthly basis, including total nonhazardous waste to landfill and total hazardous waste. We monitor waste disposal avoidance in all sites. At year-end 2022, Aptar achieved an 86% disposal avoidance of operational wastes, surpassing our 2022 target of 83%. We are working with global partners to expand the Landfill Free program to North and Southeast Asia where recycling opportunities and waste tracking processes are less available. **2022 Sustainability Report and GRI Index (PDF pages: 69-70)** **List of Landfill Free Certified Sites**

Product Safety

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-250a.1		
	Number of recalls issued, total units recalled.	We did not issue any product recalls in the reporting year.
RT-CP-250a.2		
	Discussion of process to identify and manage emerging materials and chemicals of concern.	Product Stewardship remains a high material topic as evidenced by the results of Aptar's most recent materiality assessment. Designing products to reduce negative environmental, health and safety impacts is critical. This includes: • Phasing out chemicals of concern • Designing products to include more recycled or reclaimed content • Sourcing efforts to increase recycled content in raw materials • Increasing reusability and recyclability • Decreasing the product life cycle impact • Increasing efficiency of product use Aptar maintains a Regulatory Policy, which states our commitment to improve the quality, safety and environmental impact of our products. This policy is available on the Aptar website. Over the past few years, Aptar has taken a range of significant actions to eliminate chemicals of concern within our own product lines. Materials identified for phase out of Aptar products include: formaldehyde (POM), styrene (ABS, SAN), vinyl chloride (PVC) and bisphenol A (PC, epoxy). Aptar has developed an internal system with targets and KPIs to track progress towards the elimination of these chemicals of concern. All Aptar products are assessed for health and safety impacts and improvement. For recent information, please visit the relevant links below. **2022 Sustainability Report and GRI Index (PDF pages: 41)** **Sustainable Product Solutions** **Aptar Regulatory Policy**

Product Lifecycle Management

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-410a.1		
	Percentage of raw materials from: (1) recycled content, (2) renewable resources, and (3) renewable and recycled content.	As aligned with the guidelines of the New Plastics Economy Global Commitment via the Ellen MacArthur Foundation, Aptar stated public targets and commitments related to increasing recycled resin content within our dispensing solutions. Globally, Aptar worked to develop a conversion plan to maximize the use of postconsumer recycled resin (PCR) and use of renewable feedstock, such as bio-based materials, to reduce fossil fuel use. As reported within our 2022 Sustainability Report, we achieved less than 1 percent of recycled resin content in our beauty, personal care, home care, food and beverage solutions. Increasing this volume in the future is a key priority across our entire organization. Currently, the biggest challenge is the lack of food-grade, postconsumer recycled resin on the market. Greater availability is expected in the coming years, which will support our progress. Additionally, 54.6**%** of our products were recyclable, reusable, or compostable solutions in personal care, beauty, home care and food & beverage solutions. we remain on track with an increasing number of our products being recyclable in these categories. Changes in the product mix of what was sold account for a small year-over-year change in this percentage, but we remain on track with an increasing number of our products being recyclable in these categories. Due to report timing and sales volumes, the introduction of products like the Future mono-material pump and the SimpliCycle, recyclable valve, is not yet visible within this indicator but will soon be a part of our reporting aligned to the Ellen MacArthur Foundation's New Plastics Economy Global Commitment. **2022 Sustainability Report and GRI Index (PDF page: 38-45)** **Aptar Global Commitment 2022 Signatory Report**
RT-CP-410a.2		
	Revenue from products that are reusable, recyclable, and/or compostable.	While not measured in terms of revenue, in 2022, 54.6% of our products were recyclable, reusable, or compostable solutions in personal care, beauty, home care and food & beverage solutions. In this case, recyclable is defined by the Ellen MacArthur Foundation, as "a packaging or packaging component is recyclable if its successful post-consumer collection, sorting, and recycling is proven to work in practice and at scale." More information on our 2022 progress will be provided in our next report out to the New Plastics Economy Global Commitment, due in Q3 2023. Information from 2021 can be found within the report from the Ellen MacArthur Foundation linked below. **2022 Sustainability Report and GRI Index (PDF pages: 38-45)** **Aptar Global Commitment 2022 Signatory Report**

Product Lifecycle Management

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-410a.3		
	Discussion of strategies to reduce the environmental impact of packaging throughout its lifecycle.	Aptar seeks to design products and processes with people and the planet in mind. As we design, develop and innovate our products, our strategy addresses recyclability and reusability, resin conversion and sustainable design. Much of this work is aligned to that of partners, like the Ellen MacArthur Foundation and others, who have a vision to innovate products and supply chains in an environmentally conscious way. In recent years we have begun to fully integrate LCAs into our new product design process. Today, most of our product families in the market have an LCA incorporated into the design process. Each analysis teaches us something new and addresses all the life cycle stages, including: • Raw materials extraction and production • Transportation • Manufacturing • Packaging and distribution • Use • Reuse • End of life The methodology, which is aligned with ISO 14040:2006 standards, evaluates potential environmental impacts, including global warming potential, freshwater consumption, land use, energy demand and fossil depletion — and can analyze the materials simultaneously for circularity and recyclability. In 2021, we achieved the International Sustainability and Carbon Certification (ISCC) Plus certification for 10 of our European manufacturing sites, including all sites in Spain and Italy. In 2022, we continued driving more sustainable solutions forward across all our business segments and geographic markets. The ISCC Plus certification enables all of our Aptar segments to provide our customers with solutions produced from certified sustainable food grade resin at a quality that is similar to that of conventional resin. Find the most recent list of Aptar's ISCC Plus certified sites here. *Continued on the next page*

Product Lifecycle Management

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-410a.3		
	Discussion of strategies to reduce the environmental impact of packaging throughout its lifecycle.	*Continued from the previous page* Aptar continues to work towards our New Plastics Economy Global Commitments. We have a defined global strategy which incorporates segment and regional approaches to our commitments. This allows Aptar to set objectives based on the specificities of each region and market while also considering regional regulations on recycled plastic, recycling and reusability. Aptar has developed a plan to improve the recyclability of our products through modification of existing products and development of new mono-material product lines. Collaboration is integral as we work to achieve our targets. We are working to deeply understand the future evolution of recycling technologies. **2022 Sustainability Report and GRI Index (PDF pages: 10 & 38-45)** **Aptar Global Commitment 2022 Signatory Report** **Circular Economy Contributions** **Sustainable Product Solutions** **Eco-efficient Operations** **Responsible Supply Chain**

Supply Chain Management

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-430a.1		
	Total wood fiber procured, percentage from certified sources.	Aptar does not utilize any significant amounts of wood-fiber products to produce finished products.
RT-CP-430a.2		
	Total aluminum purchased, percentage from certified sources.	While Aptar does procure some aluminum to produce finished products, we currently do not have full visibility on certifications. Resin remains our top commodity spend and is the material in which we have the most purchasing visibility. Plastic accounts 70% of the "Purchased goods and services" category of our Scope 3 emissions. **2022 Sustainability Report and GRI Index (PDF pages: 15 & 67)**

Activity Metrics

SASB CODE	METRIC	DATA/ RESPONSE
RT-CP-000.A		
	Amount of production, by substrate.	Aptar's eco-efficiency metrics are normalized to quantities of finished and semifinished products produced and molded components. The accuracy of our production data reported through the metrics collection system is approximately +/-5 percent. For our energy and emissions data, this is considered our annual amount of production. From 2021 to 2022, there was a 1 percent increase in production.
RT-CP-000.B		
	Percentage of production as: 1) Paper/wood 2) Glass 3) Metal 4) Plastic	Aptar's main raw material is plastic resin and resin remains our main commodity spend. Plastic is the primary material for our broad range of drug delivery, consumer product dispensing and active material science solutions. More than 95 percent of our production is of plastic-based materials. **2022 Sustainability Report and GRI Index (PDF page: 67)**
RT-CP-000.C		
	Number of employees.	Aptar is headquartered in Crystal Lake, Illinois and in 2022 had approximately 13,500 employees. Please note that headcount include active internal employees only. Employees on long-term leave, retired, external and interns and temporary workers are excluded. **2022 Sustainability Report and GRI Index (PDF page: 48)**