

Environmental Data 2024

Plastics for containers and packaging ^{*1*2}	Unit	Consumer Business	Industrial Business	Group Total
Amount/ratio of plant-based/recycled plastics used	Ton	685	318	1,003
	%	20%	82%	27%
Post-consumer packages and containers ^{*1*2*3}	Unit	Consumer Business	Industrial Business	Group Total
Amount/ratio of recyclable or reusable material used	Ton	2,573	2,931	5,504
	%	58%	100%	74%
Paper for containers and packaging ^{*1*4}	Unit	Consumer Business	Industrial Business	Group Total
Amount/ratio of FSC®-certified or other certified paper used ^{*11}	Ton	597	259	856
	%	75%	100%	81%
Palm oil (derived ingredients) for products ^{*5}	Unit	Consumer Business	Industrial Business	Group Total
Amount/ratio of RSPO-certified or other sustainable palm oil ^{*12}	Ton	1,397	No use	1,392
	%	40%		40%
Breakdown of water use (water withdrawal) ^{*7}	Unit	Consumer Business	Industrial Business	Group Total
Tap water	m3	102,993	19,727	122,719
Industrial water	m3	1,093	47,369	48,462
Groundwater ^{*6}	m3	11,935	59,386	71,321
River water	m3	438,140	0	438,140
Reduction of water use per unit of production	%	-4%	-15%	-12%
CO ₂ emission (Scope1+2) ^{*7}	Unit	Consumer Business	Industrial Business	Group Total
CO ₂ emission	Tons-CO ₂	12,313	22,340	34,653
CO ₂ reduction	%	-14%	-19%	-17%
Energy consumption ^{*8}	Unit	Consumer Business	Industrial Business	Group Total
Electricity	kWh	36,059,698	37,879,046	73,938,744
Heavy oil	L	0	348,000	348,000
Kerosene	L	0	31,395	31,395
LPG	kg	419,806	77,309	497,115
City gas	m3	452,323	30,267	482,591
Water Including product use	m3	116,021	66,697	182,717
Gasoline	L	66,334	66,110	132,444
Diesel oil	L	5,051	43,093	48,144
Breakdown of electricity use ^{*8}	Unit	Consumer Business	Industrial Business	Group Total
Renewable Private power generation	kWh	776,288	849,516	1,625,804
	kWh	14,706,334	1,775,983	16,482,317
Non-renewable Private power generation	kWh	206,513	0	206,513
	kWh	20,777,872	37,030,504	57,808,376
Ratio of renewable electricity	%	42%	7%	24%
Raw material usage ^{*9}	Unit	Consumer Business	Industrial Business	Group Total
Raw material	Ton	25,500	78,713	104,214
Water (included in total)	Ton	14,536	0	14,536
Packaging Materials	Ton	5,428	5,942	11,371
Amount of waste	Unit	Consumer Business	Industrial Business	Group Total
Industrial waste	Ton	1,913	5,678	7,591
General waste	Ton	45	1,870	1,915
PRTR substances (Japan) ^{*10}	Unit	Consumer Business	Industrial Business	Group Total
Volume	Ton	105.8	343.6	449.4
Transfer or emissions	Ton	1.4	7.8	9.3

*Scope of data: For the Group's own global plants, excluding US oral care product plants, unless otherwise stated.

Consumer Business = Oral care products, cosmetics, health foods, and other consumer product-related businesses

Industrial Business = Adhesives and sealants for automobiles, construction and electronics, and metal parts for motorcycles and automobiles excludes TOYOPOLYMER CO., LTD.

*1 Includes European procurement for consumer business, excludes TSUBAMEX CO.,LTD.

*2 Product containers and primary packaging materials (excluding materials procured by subcontractors for Japanese Consumer and Industrial Businesses)

*3 Recyclable or reusable material = Easily separable by material after product use

*4 Primary packaging materials (excluding materials procured by subcontractors for Japanese Consumer and Industrial Businesses)

*5 In-house procurement, mass-balance products

*6 Excludes groundwater from the Yamanashi Plant and the Industrial Business *7 Includes US sites in the Consumer Business

*8 Includes Consumer Business production sites in the U.S. and own offices in Japan, the Americas, and Europe

*9 Packaging materials exclude subcontracted products and include secondary packaging materials

*10 1 ton or more per year of Class I Designated Chemical Substances under Japan's PRTR (Pollutant Release and Transfer Register) Law
Specified Class I designated chemical substances of 0.5 tons or more per year

*11 FSC® = Forest Stewardship Council®

*12 RSPO(Roundtable on Sustainable Palm Oil) For more on our RSPO Membership Progress, see <https://rspo.org/members/12085>