

# 30-day devices with digital companion

Germany	Capsule production	Inhaler raw materials	Inhaler production energy	Digital companion raw materials	Digital companion production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0995	0.1094	0.1123	0.0064	0.0944	0.0075	0	0.0001
Freshwater ecotoxicity (CTUe)	0.0028	0.1298	0.0130	0.2823	0.0011	0.1472	0.0324	0	0.0005
Freshwater use (m <sup>3</sup> )	0.0209	0.4048	0.6163	0.7265	0.0186	0.7558	0.0006	0	9.32E-06
Resource depletion (kg Sb eq)	2.52E-08	2.06E-06	1.32E-07	6.58E-05	1.45E-08	2.08E-06	2.12E-09	0	3.13E-11
Ozone depletion (kg CFC-11 eq)	1.01E-09	3.35E-09	1.57E-08	1.09E-08	6.31E-10	1.16E-08	1.44E-09	0	2.12E-11
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	4.02E-04	3.36E-04	9.35E-04	1.42E-05	6.66E-04	1.54E-05	0	2.27E-07

France	Capsule production	Inhaler raw materials	Inhaler production energy	Digital companion raw materials	Digital companion production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0995	0.1094	0.1123	0.0064	0.0944	0.0057	0	0.0172
Freshwater ecotoxicity (CTUe)	0.0028	0.1298	0.0130	0.2823	0.0011	0.1472	0.0245	0	0.0568
Freshwater use (m <sup>3</sup> )	0.0209	0.4048	0.6163	0.7265	0.0186	0.7558	0.0005	0	0.0013
Resource depletion (kg Sb eq)	2.52E-08	2.06E-06	1.32E-07	6.58E-05	1.45E-08	2.08E-06	1.61E-09	0	4.59E-08
Ozone depletion (kg CFC-11 eq)	1.01E-09	3.35E-09	1.57E-08	1.09E-08	6.31E-10	1.16E-08	1.09E-09	0	2.73E-10
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	4.02E-04	3.36E-04	9.35E-04	1.42E-05	6.66E-04	1.17E-05	0	1.08E-05

UK	Capsule production	Inhaler raw materials	Inhaler production energy	Digital companion raw materials	Digital companion production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0995	0.1094	0.1123	0.0064	0.0944	0.0074	0	0.0177
Freshwater ecotoxicity (CTUe)	0.0028	0.1298	0.0130	0.2823	0.0011	0.1472	0.0315	0	0.0009
Freshwater use (m <sup>3</sup> )	0.0209	0.4048	0.6163	0.7265	0.0186	0.7558	0.0006	0	0.0009
Resource depletion (kg Sb eq)	2.52E-08	2.06E-06	1.32E-07	6.58E-05	1.45E-08	2.08E-06	2.09E-09	0	2.84E-10
Ozone depletion (kg CFC-11 eq)	1.01E-09	3.35E-09	1.57E-08	1.09E-08	6.31E-10	1.16E-08	1.43E-09	0	3.82E-11
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	4.02E-04	3.36E-04	9.35E-04	1.42E-05	6.66E-04	2.01E-05	0	2.92581E-06

Japan	Capsule production	Inhaler raw materials	Inhaler production energy	Digital companion raw materials	Digital companion production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0995	0.1094	0.1123	0.0064	0.0944	0.0144	0	0.0167
Freshwater ecotoxicity (CTUe)	0.0028	0.1298	0.0130	0.2823	0.0011	0.1472	0.0073	0	0.0547
Freshwater use (m <sup>3</sup> )	0.0209	0.4048	0.6163	0.7265	0.0186	0.7558	0.0011	0	0.0013
Resource depletion (kg Sb eq)	2.52E-08	2.06E-06	1.32E-07	6.58E-05	1.45E-08	2.08E-06	3.05E-09	0	4.32E-08
Ozone depletion (kg CFC-11 eq)	1.01E-09	3.35E-09	1.57E-08	1.09E-08	6.31E-10	1.16E-08	2.44E-09	0	2.71E-10
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	4.02E-04	3.36E-04	9.35E-04	1.42E-05	6.66E-04	4.57E-04	0	1.06E-05

# 30-day devices without digital companion

Germany	Capsule production	Inhaler raw materials	Inhaler production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0995	0.1094	0.0916	0.0072	0	0.0001
Freshwater ecotoxicity (CTUe)	0.0028	0.1298	0.0130	0.1426	0.0311	0	0.0005
Freshwater use (m <sup>3</sup> )	0.0209	0.4048	0.6163	0.7447	0.0006	0	8.95E-06
Resource depletion (kg Sb eq)	2.52E-08	2.06E-06	1.32E-07	2.02E-06	2.03E-09	0	3.00E-11
Ozone depletion (kg CFC-11 eq)	1.01E-09	3.35E-09	1.57E-08	1.13E-08	1.38E-09	0	2.04E-11
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	4.02E-04	3.36E-04	6.46E-04	1.48E-05	0	2.18E-07



France	Capsule production	Inhaler raw materials	Inhaler production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0995	0.1094	0.0916	0.0055	0	0.0163
Freshwater ecotoxicity (CTUe)	0.0028	0.1298	0.0130	0.1426	0.0236	0	0.0246
Freshwater use (m <sup>3</sup> )	0.0209	0.4048	0.6163	0.7447	0.0005	0	0.0013
Resource depletion (kg Sb eq)	2.52E-08	2.06E-06	1.32E-07	2.02E-06	1.54E-09	0	4.39E-08
Ozone depletion (kg CFC-11 eq)	1.01E-09	3.35E-09	1.57E-08	1.13E-08	1.05E-09	0	2.60E-10
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	4.02E-04	3.36E-04	6.46E-04	1.12E-05	0	1.04E-05

UK	Capsule production	Inhaler raw materials	Inhaler production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0995	0.1094	0.0916	0.0071	0	0.0171
Freshwater ecotoxicity (CTUe)	0.0028	0.1298	0.0130	0.1426	0.0302	0	0.0008
Freshwater use (m <sup>3</sup> )	0.0209	0.4048	0.6163	0.7447	0.0006	0	0.0009
Resource depletion (kg Sb eq)	2.52E-08	2.06E-06	1.32E-07	2.02E-06	2.01E-09	0	2.73E-10
Ozone depletion (kg CFC-11 eq)	1.01E-09	3.35E-09	1.57E-08	1.13E-08	1.37E-09	0	3.67E-11
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	4.02E-04	3.36E-04	6.46E-04	1.93E-05	0	2.81E-06

Japan	Capsule production	Inhaler raw materials	Inhaler production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0995	0.1094	0.0916	0.0138	0	0.0159
Freshwater ecotoxicity (CTUe)	0.0028	0.1298	0.0130	0.1426	0.0070	0	0.0225
Freshwater use (m <sup>3</sup> )	0.0209	0.4048	0.6163	0.7447	0.0010	0	0.0013
Resource depletion (kg Sb eq)	2.52E-08	2.06E-06	1.32E-07	2.02E-06	2.93E-09	0	4.12E-08
Ozone depletion (kg CFC-11 eq)	1.01E-09	3.35E-09	1.57E-08	1.13E-08	2.34E-09	0	2.58E-10
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	4.02E-04	3.36E-04	6.46E-04	4.39E-04	0	1.02E-05



## 90-day devices without digital companion

Germany	Capsule production	Inhaler raw materials	Inhaler production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0332	0.0365	0.0563	0.0031	0	4.60E-05
Freshwater ecotoxicity (CTUe)	0.0028	0.0433	0.0043	0.0807	0.0134	0	0.0002
Freshwater use (m <sup>3</sup> )	0.0209	0.1349	0.2054	0.5991	0.0003	0	3.87E-06
Resource depletion (kg Sb eq)	2.52E-08	6.86E-07	4.39E-08	9.35E-07	8.80E-10	0	1.30E-11
Ozone depletion (kg CFC-11 eq)	1.01E-09	1.12E-09	5.23E-09	7.19E-09	5.98E-10	0	8.83E-12
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	1.34E-04	1.12E-04	3.92E-04	6.40E-06	0	9.45E-08

France	Capsule production	Inhaler raw materials	Inhaler production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0332	0.0365	0.0563	0.0024	0	0.0069
Freshwater ecotoxicity (CTUe)	0.0028	0.0433	0.0043	0.0807	0.0102	0	0.0113
Freshwater use (m <sup>3</sup> )	0.0209	0.1349	0.2054	0.5991	0.0002	0	0.0006
Resource depletion (kg Sb eq)	2.52E-08	6.86E-07	4.39E-08	9.35E-07	6.67E-10	0	2.63E-08
Ozone depletion (kg CFC-11 eq)	1.01E-09	1.12E-09	5.23E-09	7.19E-09	4.53E-10	0	1.60E-10
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	1.34E-04	1.12E-04	3.92E-04	4.85E-06	0	4.59E-06

UK	Capsule production	Inhaler raw materials	Inhaler production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0332	0.0365	0.0563	0.0027	0	0.0066
Freshwater ecotoxicity (CTUe)	0.0028	0.0433	0.0043	0.0807	0.0114	0	0.0003
Freshwater use (m <sup>3</sup> )	0.0209	0.1349	0.2054	0.5991	0.0002	0	0.0004
Resource depletion (kg Sb eq)	2.52E-08	6.86E-07	4.39E-08	9.35E-07	7.62E-10	0	1.08E-10
Ozone depletion (kg CFC-11 eq)	1.01E-09	1.12E-09	5.23E-09	7.19E-09	5.19E-10	0	1.55E-11
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	1.34E-04	1.12E-04	3.92E-04	7.58E-06	0	1.12E-06

Japan	Capsule production	Inhaler raw materials	Inhaler production energy	Packaging	Distribution	Use	End of life
Climate change (kg CO <sub>2</sub> eq)	0.0057	0.0332	0.0365	0.0563	0.0060	0	0.0071
Freshwater ecotoxicity (CTUe)	0.0028	0.0433	0.0043	0.0807	0.0030	0	0.0115
Freshwater use (m <sup>3</sup> )	0.0209	0.1349	0.2054	0.5991	0.0004	0	0.0009
Resource depletion (kg Sb eq)	2.52E-08	6.86E-07	4.39E-08	9.35E-07	1.27E-09	0	2.0E-08
Ozone depletion (kg CFC-11 eq)	1.01E-09	1.12E-09	5.23E-09	7.19E-09	1.01E-09	0	7.3E-11
Acidification potential (mol H <sup>+</sup> eq)	3.16E-05	1.34E-04	1.12E-04	3.92E-04	1.90E-04	0	4.6E-06