

Table S1. Weight of each indicator

Category				Weight ^a
Environment	Greenhouse gas			0.078
	Hazardous substances	Health hazard factor	Raw material	0.037
			Products	0.044
			Emissions	0.061
		Environmental hazard factor	Raw material	0.017
			Products	0.020
			Emissions	0.028
Total (environment)				0.286
Safety			Raw material	0.101
			Products	0.136
			Emissions	0.157
Total (safety)				0.393
Resource consumption				0.172
Economic feasibility				0.148
Total				1.000

^aRounding off at the 5th decimal place.