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Environmental report

„MIP-H, MIP-M, MIP-T“

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1 Life Cycle Assessment „HILTI_MIP“

1.1 Technical data and material distribution

Table 1.1: Technical data and material distribution

IT- Number	Product name	Pcs. per salespack	Weight [kg]	Material
2331927	MIP-H/10-13	24	1,602	Steel, Aluminum, Polymer, Cardboard
2331928	MIP-H/15-18	16	1,203	Steel, Aluminum, Polymer, Cardboard
2331929	MIP-H/21-25	16	1,351	Steel, Aluminum, Polymer, Cardboard
2332530	MIP-H/27-30	12	1,119	Steel, Aluminum, Polymer, Cardboard
2332531	MIP-H/34-38	12	1,260	Steel, Aluminum, Polymer, Cardboard
2332564	MIP-H/42	12	1,959	Steel, Aluminum, Polymer, Cardboard
2332532	MIP-H/45	12	2,017	Steel, Aluminum, Polymer, Cardboard
2332533	MIP-H/48	12	2,108	Steel, Aluminum, Polymer, Cardboard
2332534	MIP-H/54-57	10	1,993	Steel, Aluminum, Polymer, Cardboard
2332535	MIP-H/60-64	10	2,259	Steel, Aluminum, Polymer, Cardboard
2332536	MIP-H/76-80	10	3,139	Steel, Aluminum, Polymer, Cardboard
2332537	MIP-H/89	8	2,999	Steel, Aluminum, Polymer, Cardboard
2332538	MIP-H/102	6	2,498	Steel, Aluminum, Polymer, Cardboard
2332565	MIP-H/108	6	2,547	Steel, Aluminum, Polymer, Cardboard
2332539	MIP-H/114	4	1,995	Steel, Aluminum, Polymer, Cardboard
2332540	MIP-H/133-140	3	1,864	Steel, Aluminum, Polymer, Cardboard
2332541	MIP-M/10-12	18	1,568	Steel, Aluminum, Polymer, Cardboard
2332542	MIP-M/15-18	18	1,735	Steel, Aluminum, Polymer, Cardboard
2332543	MIP-M/21-25	12	1,321	Steel, Aluminum, Polymer, Cardboard

IT- Number	Product name	Pcs. per salespack	Weight [kg]	Material
2332544	MIP-M/27-30	12	2,025	Steel, Aluminum, Polymer, Cardboard
2332545	MIP-M/34-38	12	2,298	Steel, Aluminum, Polymer, Cardboard
2332546	MIP-M/42-45	12	2,532	Steel, Aluminum, Polymer, Cardboard
2332547	MIP-M/48	12	2,754	Steel, Aluminum, Polymer, Cardboard
2332548	MIP-M/54-57	12	2,996	Steel, Aluminum, Polymer, Cardboard
2332549	MIP-M/60-64	12	3,817	Steel, Aluminum, Polymer, Cardboard
2332550	MIP-M/76-80	12	4,725	Steel, Aluminum, Polymer, Cardboard
2332551	MIP-M/89	10	4,536	Steel, Aluminum, Polymer, Cardboard
2332552	MIP-M/102-108	8	4,323	Steel, Aluminum, Polymer, Cardboard
2332553	MIP-M/114	6	3,760	Steel, Aluminum, Polymer, Cardboard
2332563	MIP-T/10-12	20	3,760	Steel, Aluminum, Polymer, Cardboard
2332554	MIP-T/15-18	20	3,970	Steel, Aluminum, Polymer, Cardboard
2332566	MIP-T/21	16	3,442	Steel, Aluminum, Polymer, Cardboard
2332555	MIP-T/25	16	3,552	Steel, Aluminum, Polymer, Cardboard
2332556	MIP-T/27-30	12	2,967	Steel, Aluminum, Polymer, Cardboard
2332567	MIP-T/34-35	12	4,053	Steel, Aluminum, Polymer, Cardboard
2332557	MIP-T/38	12	4,053	Steel, Aluminum, Polymer, Cardboard
2332558	MIP-T/42-45	12	4,273	Steel, Aluminum, Polymer, Cardboard
2332559	MIP-T/48	12	4,470	Steel, Aluminum, Polymer, Cardboard
2332568	MIP-T/54	8	3,283	Steel, Aluminum, Polymer, Cardboard
2332560	MIP-T/57	8	3,348	Steel, Aluminum, Polymer, Cardboard
2332569	MIP-T/60	6	3,046	Steel, Aluminum, Polymer, Cardboard
2332561	MIP-T/64	6	3,095	Steel, Aluminum, Polymer, Cardboard
2332562	MIP-T/76-80	6	3,609	Steel, Aluminum, Polymer, Cardboard

IT- Number	Product name	Pcs. per salespack	Weight [kg]	Material
314142	MIP-H/159-160	3	2,684	Steel, Aluminum, Polymer, Cardboard
314143	MIP-H/165-168	3	2,793	Steel, Aluminum, Polymer, Cardboard
314684	MIP-M/133	6	5,008	Steel, Aluminum, Polymer, Cardboard
314159	MIP-M/140	6	5,289	Steel, Aluminum, Polymer, Cardboard
314160	MIP-M/159-160	6	5,685	Steel, Aluminum, Polymer, Cardboard
314161	MIP-M/165-168	3	3,296	Steel, Aluminum, Polymer, Cardboard
314162	MIP-M/216-219	3	7,898	Steel, Aluminum, Polymer, Cardboard
314163	MIP-M/267-273	1	3,919	Steel, Aluminum, Polymer, Cardboard
314164	MIP-M/324	1	4,453	Steel, Aluminum, Polymer, Cardboard
314165	MIP-M/356	1	5,809	Steel, Aluminum, Polymer, Cardboard
314166	MIP-M/406	1	8,492	Steel, Aluminum, Polymer, Cardboard
314167	MIP-M/457	1	6,345	Steel, Aluminum, Polymer, Cardboard
314178	MIP-T/89	4	2,975	Steel, Aluminum, Polymer, Cardboard
314179	MIP-T/102-108	4	3,648	Steel, Aluminum, Polymer, Cardboard
314180	MIP-T/114	3	3,052	Steel, Aluminum, Polymer, Cardboard
314182	MIP-T/133-140	3	3,437	Steel, Aluminum, Polymer, Cardboard
314183	MIP-T/159-160	2	2,775	Steel, Aluminum, Polymer, Cardboard
314184	MIP-T/165-168	2	2,891	Steel, Aluminum, Polymer, Cardboard
314185	MIP-T/216-219	2	8,824	Steel, Aluminum, Polymer, Cardboard

1.2 Description of the applied method

A life cycle assessment according to DIN EN ISO 14040/44, was performed on a product of HILTI AG (MIP), which considers the entire life cycle of the product (cradle to grave). The accounting data come from the source: GaBi 10, and are evaluated from IPCC 2001, August 2016.

The entire life cycle of the product is divided into the following stages:

- Raw material,
- Production,
- Use,
- End of life,
- Transportation.

The data for the raw material acquisition of the product is provided by HILTI AG in a specific data collection form.

Each material is assigned component specific to one or more manufacturing processes to describe the production process as precisely as possible.

The products produce no emissions in the "Use" phase.

In the "End of life" it is assumed, that the entire product is first fed to a reduction process. A Shredder (QZ 1600 HD) from MeWa, is used for separating and crushing the individual materials. The respective credits come from the material recycling of metals, as well as from the energy recovery of the paper and the polymers.

The "Transportation" scenario is based on the Limit Stretch of the EPTA study published by Sphera and is evaluated according to the weight of the product. The first transport reflects the transport distances, which are essential for bringing together the individual components (by sea- a container ship for 16 800 km for 30% of the product weight, by road- a truck for 4 716 km for 70% of the product weight).

The second transport reflects the distribution of the product to the various sales companies within the EU (2 300 km by road in a truck for 100% of the product weight). The emissions of both transports are added together in this report.

1.3 Life Cycle Assessment

1.3.1 MIP-H/10-13

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2331927	MIP-H/10-13	24	1,602	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	2,490	4,951	0,173	0,000	-3,255	0,621
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,34E-12	3,34E-12	5,50E-15	0,000	-6,20E-15	1,40E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	7,10E-03	1,33E-02	3,38E-04	0,000	-9,75E-03	3,18E-03
Eutrophication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,03E-03	1,27E-03	3,97E-05	0,000	-7,88E-04	5,07E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,94E-05	1,29E-03	2,63E-05	0,000	-9,77E-04	-3,21E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,87E-06	3,32E-06	5,78E-08	0,000	-5,36E-07	2,89E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	3,10E+01	5,69E+01	1,98E+00	0,000	-3,62E+01	8,36E+00
Energy (net calorific value) [MJ]	3,39E+01	6,35E+01	3,13E+00	0,000	-4,12E+01	8,39E+00
Energy ren. (net calorific value) [MJ]	8,95E+00	1,58E+01	1,41E+00	0,000	-8,34E+00	4,30E-02
Water consumption [kg]	9,71E+00	2,51E+01	1,39E+00	0,000	-1,69E+01	6,24E-02
Air pollution [m ³]	1,41E+02	4,19E+02	1,10E+01	0,000	-3,23E+02	3,47E+01
Water pollution [m ³]	3,97E-01	5,17E-01	4,52E-02	0,000	-2,14E-01	4,78E-02
Hazardous waste for disposal [kg]	5,88E-08	5,99E-08	8,16E-10	0,000	-1,96E-09	7,88E-11
Disposed of non-hazardous waste [kg]	1,39E-01	5,67E-01	2,19E-03	0,000	-4,31E-01	9,06E-04
Disposed of radioactive waste [kg]	1,17E-03	2,64E-03	4,57E-04	0,000	-1,94E-03	1,33E-05

evaluated from CML 2001, August 2016

1.3.2 MIP-H/15-18

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2331928	MIP-H/15-18	16	1,203	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	1,896	3,649	0,117	0,000	-2,336	0,466
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,33E-12	3,33E-12	3,71E-15	0,000	-5,03E-15	1,05E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	5,42E-03	1,00E-02	2,28E-04	0,000	-7,24E-03	2,39E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	8,06E-04	9,80E-04	2,68E-05	0,000	-5,81E-04	3,80E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,01E-05	9,53E-04	1,79E-05	0,000	-7,09E-04	-2,41E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,38E-06	2,74E-06	3,89E-08	0,000	-4,18E-07	2,17E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	2,38E+01	4,34E+01	1,34E+00	0,000	-2,72E+01	6,27E+00
Energy (net calorific value) [MJ]	2,59E+01	4,86E+01	2,11E+00	0,000	-3,11E+01	6,30E+00
Energy ren. (net calorific value) [MJ]	7,65E+00	1,32E+01	9,53E-01	0,000	-6,51E+00	3,23E-02
Water consumption [kg]	8,07E+00	1,99E+01	9,35E-01	0,000	-1,28E+01	4,68E-02
Air pollution [m ³]	1,07E+02	3,08E+02	7,41E+00	0,000	-2,34E+02	2,61E+01
Water pollution [m ³]	3,31E-01	4,28E-01	3,04E-02	0,000	-1,63E-01	3,59E-02
Hazardous waste for disposal [kg]	5,78E-08	5,88E-08	5,50E-10	0,000	-1,63E-09	5,91E-11
Disposed of non-hazardous waste [kg]	1,10E-01	4,39E-01	1,48E-03	0,000	-3,31E-01	6,80E-04
Disposed of radioactive waste [kg]	8,50E-04	2,06E-03	3,08E-04	0,000	-1,53E-03	1,00E-05

evaluated from CML 2001, August 2016

1.3.3 MIP-H/21-25

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2331929	MIP-H/21-25	16	1,351	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	2,198	4,239	0,123	0,000	-2,688	0,523
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,34E-12	3,34E-12	3,93E-15	0,000	-5,72E-15	1,18E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	6,16E-03	1,15E-02	2,41E-04	0,000	-8,32E-03	2,68E-03
Eutrophication Potential (EP) [kg (PO ₄) ³⁻ -eq.]	9,07E-04	1,12E-03	2,83E-05	0,000	-6,65E-04	4,27E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	3,10E-05	1,09E-03	1,92E-05	0,000	-8,09E-04	-2,71E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,94E-06	3,36E-06	4,12E-08	0,000	-4,86E-07	2,44E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	2,76E+01	5,04E+01	1,41E+00	0,000	-3,12E+01	7,04E+00
Energy (net calorific value) [MJ]	3,00E+01	5,64E+01	2,23E+00	0,000	-3,57E+01	7,07E+00
Energy ren. (net calorific value) [MJ]	8,22E+00	1,47E+01	1,01E+00	0,000	-7,54E+00	3,62E-02
Water consumption [kg]	9,02E+00	2,29E+01	9,89E-01	0,000	-1,49E+01	5,26E-02
Air pollution [m ³]	1,22E+02	3,52E+02	7,85E+00	0,000	-2,67E+02	2,93E+01
Water pollution [m ³]	3,65E-01	4,80E-01	3,22E-02	0,000	-1,87E-01	4,03E-02
Hazardous waste for disposal [kg]	5,85E-08	5,97E-08	5,82E-10	0,000	-1,87E-09	6,64E-11
Disposed of non-hazardous waste [kg]	1,27E-01	5,09E-01	1,56E-03	0,000	-3,85E-01	7,64E-04
Disposed of radioactive waste [kg]	9,65E-04	2,40E-03	3,26E-04	0,000	-1,77E-03	1,12E-05

evaluated from CML 2001, August 2016

1.3.4 MIP-H/27-30

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332530	MIP-H/27-30	12	1,119	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	1,829	3,434	0,094	0,000	-2,132	0,433
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,33E-12	3,33E-12	2,98E-15	0,000	-4,95E-15	9,79E-17
Acidification Potential (AP) [kg SO ₂ -eq.]	5,14E-03	9,49E-03	1,83E-04	0,000	-6,76E-03	2,22E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	7,71E-04	9,34E-04	2,15E-05	0,000	-5,38E-04	3,54E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,78E-05	8,88E-04	1,48E-05	0,000	-6,50E-04	-2,24E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,57E-06	2,92E-06	3,13E-08	0,000	-4,04E-07	2,02E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	2,31E+01	4,18E+01	1,07E+00	0,000	-2,56E+01	5,83E+00
Energy (net calorific value) [MJ]	2,51E+01	4,69E+01	1,70E+00	0,000	-2,94E+01	5,86E+00
Energy ren. (net calorific value) [MJ]	7,41E+00	1,29E+01	7,65E-01	0,000	-6,29E+00	3,00E-02
Water consumption [kg]	7,93E+00	1,93E+01	7,50E-01	0,000	-1,22E+01	4,36E-02
Air pollution [m ³]	1,01E+02	2,86E+02	5,96E+00	0,000	-2,15E+02	2,43E+01
Water pollution [m ³]	3,25E-01	4,21E-01	2,44E-02	0,000	-1,54E-01	3,34E-02
Hazardous waste for disposal [kg]	5,78E-08	5,89E-08	4,41E-10	0,000	-1,62E-09	5,50E-11
Disposed of non-hazardous waste [kg]	1,07E-01	4,22E-01	1,18E-03	0,000	-3,17E-01	6,32E-04
Disposed of radioactive waste [kg]	7,73E-04	2,00E-03	2,47E-04	0,000	-1,49E-03	9,31E-06

evaluated from CML 2001, August 2016

1.3.5 MIP-H/34-38

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332531	MIP-H/34-38	12	1,260	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	2,205	4,098	0,095	0,000	-2,476	0,488
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,85E-12	3,85E-12	3,04E-15	0,000	-6,11E-15	1,10E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	6,05E-03	1,14E-02	1,86E-04	0,000	-8,05E-03	2,50E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	9,04E-04	1,12E-03	2,19E-05	0,000	-6,32E-04	3,98E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	5,39E-05	1,03E-03	1,55E-05	0,000	-7,40E-04	-2,53E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	3,47E-06	3,94E-06	3,19E-08	0,000	-5,19E-07	2,27E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	2,81E+01	5,10E+01	1,09E+00	0,000	-3,06E+01	6,57E+00
Energy (net calorific value) [MJ]	3,04E+01	5,75E+01	1,73E+00	0,000	-3,54E+01	6,60E+00
Energy ren. (net calorific value) [MJ]	8,78E+00	1,60E+01	7,80E-01	0,000	-7,98E+00	3,38E-02
Water consumption [kg]	9,85E+00	2,44E+01	7,65E-01	0,000	-1,53E+01	4,91E-02
Air pollution [m ³]	1,19E+02	3,29E+02	6,11E+00	0,000	-2,44E+02	2,73E+01
Water pollution [m ³]	3,89E-01	5,13E-01	2,49E-02	0,000	-1,87E-01	3,76E-02
Hazardous waste for disposal [kg]	6,71E-08	6,87E-08	4,50E-10	0,000	-2,10E-09	6,19E-11
Disposed of non-hazardous waste [kg]	1,35E-01	5,38E-01	1,21E-03	0,000	-4,04E-01	7,12E-04
Disposed of radioactive waste [kg]	9,20E-04	2,56E-03	2,52E-04	0,000	-1,90E-03	1,05E-05

evaluated from CML 2001, August 2016

1.3.6 MIP-H/42

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332564	MIP-H/42	12	1,959	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	3,082	5,930	0,133	0,000	-3,740	0,759
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,85E-12	3,85E-12	4,23E-15	0,000	-7,44E-15	1,71E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	8,53E-03	1,56E-02	2,59E-04	0,000	-1,12E-02	3,89E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,26E-03	1,51E-03	3,05E-05	0,000	-9,09E-04	6,20E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,64E-05	1,55E-03	2,12E-05	0,000	-1,16E-03	-3,93E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	4,08E-06	4,58E-06	4,44E-08	0,000	-5,81E-07	3,53E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	3,87E+01	6,90E+01	1,52E+00	0,000	-4,20E+01	1,02E+01
Energy (net calorific value) [MJ]	4,16E+01	7,64E+01	2,41E+00	0,000	-4,74E+01	1,03E+01
Energy ren. (net calorific value) [MJ]	9,89E+00	1,79E+01	1,09E+00	0,000	-9,18E+00	5,25E-02
Water consumption [kg]	1,07E+01	2,79E+01	1,06E+00	0,000	-1,84E+01	7,63E-02
Air pollution [m ³]	1,67E+02	5,01E+02	8,47E+00	0,000	-3,85E+02	4,25E+01
Water pollution [m ³]	4,71E-01	6,25E-01	3,47E-02	0,000	-2,47E-01	5,85E-02
Hazardous waste for disposal [kg]	6,84E-08	6,99E-08	6,26E-10	0,000	-2,23E-09	9,63E-11
Disposed of non-hazardous waste [kg]	1,55E-01	6,18E-01	1,68E-03	0,000	-4,66E-01	1,11E-03
Disposed of radioactive waste [kg]	1,18E-03	2,94E-03	3,51E-04	0,000	-2,13E-03	1,63E-05

evaluated from CML 2001, August 2016

1.3.7 MIP-H/45

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332532	MIP-H/45	12	2,017	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	3,142	6,064	0,134	0,000	-3,837	0,781
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,85E-12	3,85E-12	4,27E-15	0,000	-7,51E-15	1,77E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	8,71E-03	1,58E-02	2,62E-04	0,000	-1,14E-02	4,01E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,28E-03	1,54E-03	3,08E-05	0,000	-9,29E-04	6,38E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,10E-05	1,59E-03	2,14E-05	0,000	-1,19E-03	-4,04E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	4,08E-06	4,58E-06	4,48E-08	0,000	-5,81E-07	3,64E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	3,94E+01	7,02E+01	1,54E+00	0,000	-4,28E+01	1,05E+01
Energy (net calorific value) [MJ]	4,24E+01	7,76E+01	2,43E+00	0,000	-4,82E+01	1,06E+01
Energy ren. (net calorific value) [MJ]	9,94E+00	1,80E+01	1,10E+00	0,000	-9,21E+00	5,41E-02
Water consumption [kg]	1,07E+01	2,80E+01	1,07E+00	0,000	-1,85E+01	7,86E-02
Air pollution [m ³]	1,71E+02	5,15E+02	8,55E+00	0,000	-3,96E+02	4,37E+01
Water pollution [m ³]	4,75E-01	6,31E-01	3,50E-02	0,000	-2,51E-01	6,02E-02
Hazardous waste for disposal [kg]	6,85E-08	6,99E-08	6,32E-10	0,000	-2,22E-09	9,92E-11
Disposed of non-hazardous waste [kg]	1,55E-01	6,19E-01	1,70E-03	0,000	-4,67E-01	1,14E-03
Disposed of radioactive waste [kg]	1,19E-03	2,95E-03	3,54E-04	0,000	-2,13E-03	1,68E-05

evaluated from CML 2001, August 2016

1.3.8 MIP-H/48

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332533	MIP-H/48	12	2,108	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	3,513	6,728	0,135	0,000	-4,166	0,817
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,85E-12	3,86E-12	4,30E-15	0,000	-8,58E-15	1,84E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	9,50E-03	1,77E-02	2,64E-04	0,000	-1,26E-02	4,19E-03
Eutrophication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,39E-03	1,71E-03	3,11E-05	0,000	-1,02E-03	6,67E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	4,74E-05	1,72E-03	2,22E-05	0,000	-1,27E-03	-4,23E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	5,14E-06	5,76E-06	4,52E-08	0,000	-7,02E-07	3,80E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	4,43E+01	7,92E+01	1,55E+00	0,000	-4,75E+01	1,10E+01
Energy (net calorific value) [MJ]	4,77E+01	8,82E+01	2,45E+00	0,000	-5,40E+01	1,10E+01
Energy ren. (net calorific value) [MJ]	1,08E+01	2,06E+01	1,11E+00	0,000	-1,10E+01	5,65E-02
Water consumption [kg]	1,24E+01	3,31E+01	1,08E+00	0,000	-2,19E+01	8,21E-02
Air pollution [m ³]	1,87E+02	5,53E+02	8,66E+00	0,000	-4,20E+02	4,57E+01
Water pollution [m ³]	5,23E-01	7,07E-01	3,53E-02	0,000	-2,83E-01	6,29E-02
Hazardous waste for disposal [kg]	6,95E-08	7,15E-08	6,38E-10	0,000	-2,69E-09	1,04E-10
Disposed of non-hazardous waste [kg]	1,83E-01	7,41E-01	1,71E-03	0,000	-5,60E-01	1,19E-03
Disposed of radioactive waste [kg]	1,35E-03	3,53E-03	3,57E-04	0,000	-2,56E-03	1,75E-05

evaluated from CML 2001, August 2016

1.3.9 MIP-H/54-57

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332534	MIP-H/54-57	10	1,993	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	3,254	5,956	0,114	0,000	-3,588	0,772
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	5,90E-12	5,91E-12	3,64E-15	0,000	-8,65E-15	1,74E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	9,00E-03	1,62E-02	2,23E-04	0,000	-1,14E-02	3,96E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,37E-03	1,62E-03	2,63E-05	0,000	-9,11E-04	6,30E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	4,02E-05	1,55E-03	1,90E-05	0,000	-1,13E-03	-4,00E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	4,88E-06	5,46E-06	3,82E-08	0,000	-6,55E-07	3,59E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	4,14E+01	7,33E+01	1,31E+00	0,000	-4,36E+01	1,04E+01
Energy (net calorific value) [MJ]	4,44E+01	8,16E+01	2,07E+00	0,000	-4,97E+01	1,04E+01
Energy ren. (net calorific value) [MJ]	1,25E+01	2,18E+01	9,35E-01	0,000	-1,03E+01	5,34E-02
Water consumption [kg]	1,32E+01	3,19E+01	9,16E-01	0,000	-1,97E+01	7,76E-02
Air pollution [m ³]	1,75E+02	4,98E+02	7,34E+00	0,000	-3,74E+02	4,32E+01
Water pollution [m ³]	5,69E-01	7,42E-01	2,99E-02	0,000	-2,62E-01	5,95E-02
Hazardous waste for disposal [kg]	1,02E-07	1,04E-07	5,39E-10	0,000	-2,73E-09	9,80E-11
Disposed of non-hazardous waste [kg]	1,78E-01	6,86E-01	1,45E-03	0,000	-5,10E-01	1,13E-03
Disposed of radioactive waste [kg]	1,19E-03	3,30E-03	3,02E-04	0,000	-2,43E-03	1,66E-05

evaluated from CML 2001, August 2016

1.3.10 MIP-H/60-64

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332535	MIP-H/60-64	10	2,259	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	3,925	7,240	0,119	0,000	-4,309	0,875
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	6,00E-12	6,01E-12	3,79E-15	0,000	-1,04E-14	1,98E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,06E-02	1,96E-02	2,32E-04	0,000	-1,38E-02	4,49E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,58E-03	1,93E-03	2,73E-05	0,000	-1,09E-03	7,14E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	8,03E-05	1,83E-03	2,05E-05	0,000	-1,31E-03	-4,53E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	6,37E-06	7,13E-06	3,97E-08	0,000	-8,39E-07	4,07E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	5,00E+01	8,94E+01	1,36E+00	0,000	-5,25E+01	1,18E+01
Energy (net calorific value) [MJ]	5,37E+01	1,00E+02	2,15E+00	0,000	-6,03E+01	1,18E+01
Energy ren. (net calorific value) [MJ]	1,40E+01	2,60E+01	9,72E-01	0,000	-1,30E+01	6,06E-02
Water consumption [kg]	1,58E+01	3,99E+01	9,53E-01	0,000	-2,51E+01	8,80E-02
Air pollution [m ³]	2,07E+02	5,85E+02	7,67E+00	0,000	-4,35E+02	4,90E+01
Water pollution [m ³]	6,51E-01	8,71E-01	3,11E-02	0,000	-3,18E-01	6,74E-02
Hazardous waste for disposal [kg]	1,06E-07	1,08E-07	5,61E-10	0,000	-3,42E-09	1,11E-10
Disposed of non-hazardous waste [kg]	2,22E-01	8,75E-01	1,50E-03	0,000	-6,56E-01	1,28E-03
Disposed of radioactive waste [kg]	1,45E-03	4,21E-03	3,14E-04	0,000	-3,09E-03	1,88E-05

evaluated from CML 2001, August 2016

1.3.11 MIP-H/76-80

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332536	MIP-H/76-80	10	3,139	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	5,537	10,056	0,182	0,000	-5,916	1,216
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,06E-12	8,07E-12	5,78E-15	0,000	-1,45E-14	2,75E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,48E-02	2,71E-02	3,55E-04	0,000	-1,89E-02	6,24E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,21E-03	2,67E-03	4,17E-05	0,000	-1,50E-03	9,93E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,25E-04	2,54E-03	3,11E-05	0,000	-1,82E-03	-6,29E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	9,32E-06	1,03E-05	6,06E-08	0,000	-1,15E-06	5,66E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	7,06E+01	1,25E+02	2,08E+00	0,000	-7,24E+01	1,64E+01
Energy (net calorific value) [MJ]	7,58E+01	1,39E+02	3,29E+00	0,000	-8,31E+01	1,64E+01
Energy ren. (net calorific value) [MJ]	1,93E+01	3,56E+01	1,48E+00	0,000	-1,79E+01	8,42E-02
Water consumption [kg]	2,22E+01	5,49E+01	1,45E+00	0,000	-3,43E+01	1,22E-01
Air pollution [m ³]	2,91E+02	8,13E+02	1,17E+01	0,000	-6,01E+02	6,80E+01
Water pollution [m ³]	9,10E-01	1,21E+00	4,74E-02	0,000	-4,39E-01	9,37E-02
Hazardous waste for disposal [kg]	1,43E-07	1,46E-07	8,56E-10	0,000	-4,73E-09	1,54E-10
Disposed of non-hazardous waste [kg]	3,05E-01	1,20E+00	2,30E-03	0,000	-8,95E-01	1,77E-03
Disposed of radioactive waste [kg]	2,06E-03	5,79E-03	4,80E-04	0,000	-4,24E-03	2,61E-05

evaluated from CML 2001, August 2016

1.3.12 MIP-H/89

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332537	MIP-H/89	8	2,999	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	5,775	10,305	0,151	0,000	-5,842	1,162
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,06E-12	8,07E-12	4,82E-15	0,000	-1,56E-14	2,62E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,50E-02	2,81E-02	2,96E-04	0,000	-1,94E-02	5,96E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,23E-03	2,75E-03	3,48E-05	0,000	-1,50E-03	9,48E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,95E-04	2,52E-03	2,77E-05	0,000	-1,75E-03	-6,01E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,09E-05	1,21E-05	5,06E-08	0,000	-1,29E-06	5,41E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	7,42E+01	1,31E+02	1,73E+00	0,000	-7,44E+01	1,56E+01
Energy (net calorific value) [MJ]	7,96E+01	1,48E+02	2,74E+00	0,000	-8,64E+01	1,57E+01
Energy ren. (net calorific value) [MJ]	1,99E+01	3,85E+01	1,24E+00	0,000	-1,98E+01	8,04E-02
Water consumption [kg]	2,43E+01	6,07E+01	1,21E+00	0,000	-3,76E+01	1,17E-01
Air pollution [m ³]	2,97E+02	7,99E+02	9,87E+00	0,000	-5,77E+02	6,50E+01
Water pollution [m ³]	9,51E-01	1,28E+00	3,95E-02	0,000	-4,60E-01	8,95E-02
Hazardous waste for disposal [kg]	1,44E-07	1,48E-07	7,14E-10	0,000	-5,37E-09	1,47E-10
Disposed of non-hazardous waste [kg]	3,37E-01	1,33E+00	1,91E-03	0,000	-9,99E-01	1,70E-03
Disposed of radioactive waste [kg]	2,15E-03	6,48E-03	4,00E-04	0,000	-4,75E-03	2,50E-05

evaluated from CML 2001, August 2016

1.3.13 MIP-H/102

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332538	MIP-H/102	6	2,498	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	4,995	8,812	0,117	0,000	-4,902	0,968
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	6,60E-12	6,61E-12	3,72E-15	0,000	-1,35E-14	2,19E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,27E-02	2,40E-02	2,29E-04	0,000	-1,65E-02	4,96E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,89E-03	2,35E-03	2,69E-05	0,000	-1,27E-03	7,90E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,90E-04	2,13E-03	2,22E-05	0,000	-1,46E-03	-5,01E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	9,89E-06	1,09E-05	3,91E-08	0,000	-1,12E-06	4,50E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	6,44E+01	1,13E+02	1,34E+00	0,000	-6,33E+01	1,30E+01
Energy (net calorific value) [MJ]	6,90E+01	1,28E+02	2,12E+00	0,000	-7,38E+01	1,31E+01
Energy ren. (net calorific value) [MJ]	1,68E+01	3,30E+01	9,57E-01	0,000	-1,72E+01	6,70E-02
Water consumption [kg]	2,11E+01	5,27E+01	9,37E-01	0,000	-3,26E+01	9,73E-02
Air pollution [m ³]	2,54E+02	6,73E+02	7,67E+00	0,000	-4,81E+02	5,41E+01
Water pollution [m ³]	8,13E-01	1,10E+00	3,05E-02	0,000	-3,93E-01	7,45E-02
Hazardous waste for disposal [kg]	1,19E-07	1,23E-07	5,51E-10	0,000	-4,71E-09	1,23E-10
Disposed of non-hazardous waste [kg]	2,92E-01	1,16E+00	1,48E-03	0,000	-8,68E-01	1,41E-03
Disposed of radioactive waste [kg]	1,84E-03	5,65E-03	3,09E-04	0,000	-4,14E-03	2,08E-05

evaluated from CML 2001, August 2016

1.3.14 MIP-H/108

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332565	MIP-H/108	6	2,547	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	5,046	8,925	0,118	0,000	-4,984	0,987
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	6,60E-12	6,61E-12	3,76E-15	0,000	-1,36E-14	2,23E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,29E-02	2,42E-02	2,31E-04	0,000	-1,66E-02	5,06E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,91E-03	2,37E-03	2,71E-05	0,000	-1,29E-03	8,05E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,86E-04	2,16E-03	2,24E-05	0,000	-1,49E-03	-5,11E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	9,89E-06	1,09E-05	3,94E-08	0,000	-1,12E-06	4,59E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	6,50E+01	1,14E+02	1,35E+00	0,000	-6,40E+01	1,33E+01
Energy (net calorific value) [MJ]	6,96E+01	1,29E+02	2,14E+00	0,000	-7,45E+01	1,33E+01
Energy ren. (net calorific value) [MJ]	1,68E+01	3,31E+01	9,65E-01	0,000	-1,72E+01	6,83E-02
Water consumption [kg]	2,11E+01	5,27E+01	9,46E-01	0,000	-3,27E+01	9,92E-02
Air pollution [m ³]	2,56E+02	6,84E+02	7,74E+00	0,000	-4,91E+02	5,52E+01
Water pollution [m ³]	8,17E-01	1,11E+00	3,08E-02	0,000	-3,97E-01	7,60E-02
Hazardous waste for disposal [kg]	1,19E-07	1,23E-07	5,57E-10	0,000	-4,70E-09	1,25E-10
Disposed of non-hazardous waste [kg]	2,93E-01	1,16E+00	1,49E-03	0,000	-8,69E-01	1,44E-03
Disposed of radioactive waste [kg]	1,85E-03	5,66E-03	3,12E-04	0,000	-4,14E-03	2,12E-05

evaluated from CML 2001, August 2016

1.3.15 MIP-H/114

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332539	MIP-H/114	4	1,995	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	4,069	7,051	0,081	0,000	-3,836	0,773
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	6,59E-12	6,60E-12	2,59E-15	0,000	-1,16E-14	1,75E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,04E-02	1,96E-02	1,59E-04	0,000	-1,34E-02	3,96E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,57E-03	1,94E-03	1,87E-05	0,000	-1,02E-03	6,31E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,68E-04	1,69E-03	1,62E-05	0,000	-1,14E-03	-4,00E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	8,30E-06	9,20E-06	2,72E-08	0,000	-9,61E-07	3,60E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	5,27E+01	9,31E+01	9,32E-01	0,000	-5,17E+01	1,04E+01
Energy (net calorific value) [MJ]	5,65E+01	1,05E+02	1,47E+00	0,000	-6,07E+01	1,04E+01
Energy ren. (net calorific value) [MJ]	1,52E+01	2,91E+01	6,65E-01	0,000	-1,47E+01	5,35E-02
Water consumption [kg]	1,86E+01	4,51E+01	6,52E-01	0,000	-2,73E+01	7,77E-02
Air pollution [m ³]	2,06E+02	5,33E+02	5,38E+00	0,000	-3,75E+02	4,32E+01
Water pollution [m ³]	7,10E-01	9,54E-01	2,13E-02	0,000	-3,25E-01	5,95E-02
Hazardous waste for disposal [kg]	1,16E-07	1,20E-07	3,83E-10	0,000	-4,12E-09	9,81E-11
Disposed of non-hazardous waste [kg]	2,51E-01	9,83E-01	1,03E-03	0,000	-7,34E-01	1,13E-03
Disposed of radioactive waste [kg]	1,48E-03	4,81E-03	2,15E-04	0,000	-3,55E-03	1,66E-05

evaluated from CML 2001, August 2016

1.3.16 MIP-H/133-140

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332540	MIP-H/133-140	3	1,864	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	3,770	6,351	0,066	0,000	-3,369	0,722
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	6,72E-12	6,73E-12	2,09E-15	0,000	-1,08E-14	1,63E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	9,65E-03	1,77E-02	1,29E-04	0,000	-1,19E-02	3,70E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,48E-03	1,78E-03	1,51E-05	0,000	-9,10E-04	5,89E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,52E-04	1,54E-03	1,38E-05	0,000	-1,03E-03	-3,74E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	7,87E-06	8,67E-06	2,20E-08	0,000	-8,52E-07	3,36E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	4,91E+01	8,52E+01	7,53E-01	0,000	-4,67E+01	9,72E+00
Energy (net calorific value) [MJ]	5,24E+01	9,61E+01	1,19E+00	0,000	-5,47E+01	9,76E+00
Energy ren. (net calorific value) [MJ]	1,45E+01	2,70E+01	5,38E-01	0,000	-1,31E+01	5,00E-02
Water consumption [kg]	1,74E+01	4,07E+01	5,27E-01	0,000	-2,40E+01	7,26E-02
Air pollution [m ³]	1,91E+02	4,85E+02	4,39E+00	0,000	-3,39E+02	4,04E+01
Water pollution [m ³]	6,79E-01	9,00E-01	1,72E-02	0,000	-2,94E-01	5,56E-02
Hazardous waste for disposal [kg]	1,18E-07	1,21E-07	3,10E-10	0,000	-3,77E-09	9,16E-11
Disposed of non-hazardous waste [kg]	2,27E-01	8,71E-01	8,32E-04	0,000	-6,46E-01	1,05E-03
Disposed of radioactive waste [kg]	1,31E-03	4,30E-03	1,74E-04	0,000	-3,18E-03	1,55E-05

evaluated from CML 2001, August 2016

1.3.17 MIP-M/10-12

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332541	MIP-M/10-12	18	1,568	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	2,795	5,294	0,139	0,000	-3,245	0,607
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,85E-12	3,85E-12	4,42E-15	0,000	-7,45E-15	1,37E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	7,57E-03	1,45E-02	2,71E-04	0,000	-1,03E-02	3,12E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,11E-03	1,39E-03	3,19E-05	0,000	-8,12E-04	4,96E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	7,46E-05	1,32E-03	2,22E-05	0,000	-9,53E-04	-3,14E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	4,38E-06	4,96E-06	4,64E-08	0,000	-6,60E-07	2,83E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	3,54E+01	6,45E+01	1,59E+00	0,000	-3,89E+01	8,18E+00
Energy (net calorific value) [MJ]	3,85E+01	7,28E+01	2,51E+00	0,000	-4,50E+01	8,21E+00
Energy ren. (net calorific value) [MJ]	1,01E+01	1,91E+01	1,13E+00	0,000	-1,01E+01	4,20E-02
Water consumption [kg]	1,19E+01	3,06E+01	1,11E+00	0,000	-1,98E+01	6,11E-02
Air pollution [m ³]	1,51E+02	4,22E+02	8,87E+00	0,000	-3,13E+02	3,40E+01
Water pollution [m ³]	4,58E-01	6,12E-01	3,62E-02	0,000	-2,37E-01	4,68E-02
Hazardous waste for disposal [kg]	6,84E-08	7,02E-08	6,55E-10	0,000	-2,57E-09	7,71E-11
Disposed of non-hazardous waste [kg]	1,69E-01	6,86E-01	1,76E-03	0,000	-5,20E-01	8,86E-04
Disposed of radioactive waste [kg]	1,23E-03	3,25E-03	3,67E-04	0,000	-2,40E-03	1,30E-05

evaluated from CML 2001, August 2016

1.3.18 MIP-M/15-18

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332542	MIP-M/15-18	18	1,735	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	3,204	6,018	0,142	0,000	-3,628	0,672
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,85E-12	3,86E-12	4,51E-15	0,000	-8,42E-15	1,52E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	8,50E-03	1,64E-02	2,77E-04	0,000	-1,16E-02	3,45E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,24E-03	1,56E-03	3,26E-05	0,000	-9,07E-04	5,49E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	9,66E-05	1,48E-03	2,32E-05	0,000	-1,06E-03	-3,48E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	5,34E-06	6,01E-06	4,73E-08	0,000	-7,47E-07	3,13E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	4,07E+01	7,36E+01	1,63E+00	0,000	-4,37E+01	9,05E+00
Energy (net calorific value) [MJ]	4,41E+01	8,30E+01	2,57E+00	0,000	-5,05E+01	9,09E+00
Energy ren. (net calorific value) [MJ]	1,09E+01	2,11E+01	1,16E+00	0,000	-1,14E+01	4,65E-02
Water consumption [kg]	1,33E+01	3,45E+01	1,14E+00	0,000	-2,24E+01	6,76E-02
Air pollution [m ³]	1,70E+02	4,73E+02	9,08E+00	0,000	-3,49E+02	3,76E+01
Water pollution [m ³]	5,06E-01	6,84E-01	3,70E-02	0,000	-2,66E-01	5,18E-02
Hazardous waste for disposal [kg]	6,94E-08	7,16E-08	6,68E-10	0,000	-2,92E-09	8,53E-11
Disposed of non-hazardous waste [kg]	1,90E-01	7,76E-01	1,79E-03	0,000	-5,88E-01	9,81E-04
Disposed of radioactive waste [kg]	1,37E-03	3,70E-03	3,74E-04	0,000	-2,72E-03	1,44E-05

evaluated from CML 2001, August 2016

1.3.19 MIP-M/21-25

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332543	MIP-M/21-25	12	1,321	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	2,485	4,485	0,096	0,000	-2,608	0,512
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,85E-12	3,85E-12	3,05E-15	0,000	-6,84E-15	1,16E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	6,58E-03	1,24E-02	1,87E-04	0,000	-8,64E-03	2,63E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	9,80E-04	1,21E-03	2,20E-05	0,000	-6,71E-04	4,18E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	8,21E-05	1,11E-03	1,62E-05	0,000	-7,76E-04	-2,65E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	4,43E-06	4,96E-06	3,20E-08	0,000	-5,79E-07	2,38E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	3,18E+01	5,68E+01	1,10E+00	0,000	-3,30E+01	6,89E+00
Energy (net calorific value) [MJ]	3,44E+01	6,41E+01	1,74E+00	0,000	-3,84E+01	6,92E+00
Energy ren. (net calorific value) [MJ]	9,30E+00	1,74E+01	7,84E-01	0,000	-8,87E+00	3,54E-02
Water consumption [kg]	1,11E+01	2,71E+01	7,69E-01	0,000	-1,69E+01	5,15E-02
Air pollution [m ³]	1,31E+02	3,51E+02	6,17E+00	0,000	-2,55E+02	2,86E+01
Water pollution [m ³]	4,26E-01	5,65E-01	2,50E-02	0,000	-2,04E-01	3,94E-02
Hazardous waste for disposal [kg]	6,80E-08	6,98E-08	4,52E-10	0,000	-2,38E-09	6,50E-11
Disposed of non-hazardous waste [kg]	1,50E-01	5,97E-01	1,21E-03	0,000	-4,49E-01	7,47E-04
Disposed of radioactive waste [kg]	1,01E-03	2,88E-03	2,53E-04	0,000	-2,13E-03	1,10E-05

evaluated from CML 2001, August 2016

1.3.20 MIP-M/27-30

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332544	MIP-M/27-30	12	2,025	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	3,400	6,309	0,133	0,000	-3,827	0,784
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,85E-12	3,86E-12	4,24E-15	0,000	-8,23E-15	1,77E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	9,10E-03	1,65E-02	2,60E-04	0,000	-1,17E-02	4,02E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,34E-03	1,61E-03	3,06E-05	0,000	-9,40E-04	6,40E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	4,90E-05	1,62E-03	2,20E-05	0,000	-1,19E-03	-4,06E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	5,26E-06	5,81E-06	4,45E-08	0,000	-6,32E-07	3,65E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	4,30E+01	7,51E+01	1,53E+00	0,000	-4,42E+01	1,06E+01
Energy (net calorific value) [MJ]	4,62E+01	8,33E+01	2,41E+00	0,000	-5,01E+01	1,06E+01
Energy ren. (net calorific value) [MJ]	1,04E+01	1,92E+01	1,09E+00	0,000	-9,96E+00	5,43E-02
Water consumption [kg]	1,20E+01	3,05E+01	1,07E+00	0,000	-1,96E+01	7,89E-02
Air pollution [m ³]	1,80E+02	5,23E+02	8,54E+00	0,000	-3,95E+02	4,39E+01
Water pollution [m ³]	5,13E-01	6,81E-01	3,48E-02	0,000	-2,63E-01	6,04E-02
Hazardous waste for disposal [kg]	6,95E-08	7,12E-08	6,28E-10	0,000	-2,51E-09	9,96E-11
Disposed of non-hazardous waste [kg]	1,69E-01	6,68E-01	1,69E-03	0,000	-5,02E-01	1,14E-03
Disposed of radioactive waste [kg]	1,27E-03	3,23E-03	3,52E-04	0,000	-2,33E-03	1,69E-05

evaluated from CML 2001, August 2016

1.3.21 MIP-M/34-38

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332545	MIP-M/34-38	12	2,298	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	4,152	7,527	0,136	0,000	-4,401	0,890
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	4,94E-12	4,95E-12	4,34E-15	0,000	-1,05E-14	2,01E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,09E-02	2,00E-02	2,66E-04	0,000	-1,39E-02	4,57E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,61E-03	1,95E-03	3,13E-05	0,000	-1,10E-03	7,27E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,03E-04	1,89E-03	2,35E-05	0,000	-1,35E-03	-4,61E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	7,23E-06	7,98E-06	4,56E-08	0,000	-8,35E-07	4,14E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	5,29E+01	9,26E+01	1,56E+00	0,000	-5,32E+01	1,20E+01
Energy (net calorific value) [MJ]	5,68E+01	1,03E+02	2,47E+00	0,000	-6,10E+01	1,20E+01
Energy ren. (net calorific value) [MJ]	1,31E+01	2,50E+01	1,12E+00	0,000	-1,30E+01	6,16E-02
Water consumption [kg]	1,58E+01	3,98E+01	1,09E+00	0,000	-2,51E+01	8,95E-02
Air pollution [m ³]	2,16E+02	6,03E+02	8,81E+00	0,000	-4,46E+02	4,98E+01
Water pollution [m ³]	6,45E-01	8,63E-01	3,56E-02	0,000	-3,22E-01	6,86E-02
Hazardous waste for disposal [kg]	8,91E-08	9,17E-08	6,43E-10	0,000	-3,41E-09	1,13E-10
Disposed of non-hazardous waste [kg]	2,21E-01	8,72E-01	1,73E-03	0,000	-6,55E-01	1,30E-03
Disposed of radioactive waste [kg]	1,54E-03	4,24E-03	3,60E-04	0,000	-3,08E-03	1,91E-05

evaluated from CML 2001, August 2016

1.3.22 MIP-M/42-45

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332546	MIP-M/42-45	12	2,532	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	4,707	8,483	0,140	0,000	-4,897	0,981
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	4,94E-12	4,95E-12	4,47E-15	0,000	-1,18E-14	2,22E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,21E-02	2,23E-02	2,74E-04	0,000	-1,55E-02	5,03E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,78E-03	2,17E-03	3,23E-05	0,000	-1,23E-03	8,01E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,31E-04	2,11E-03	2,49E-05	0,000	-1,49E-03	-5,08E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	8,55E-06	9,40E-06	4,69E-08	0,000	-9,41E-07	4,57E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	6,01E+01	1,05E+02	1,61E+00	0,000	-5,93E+01	1,32E+01
Energy (net calorific value) [MJ]	6,44E+01	1,17E+02	2,54E+00	0,000	-6,81E+01	1,33E+01
Energy ren. (net calorific value) [MJ]	1,41E+01	2,75E+01	1,15E+00	0,000	-1,46E+01	6,79E-02
Water consumption [kg]	1,76E+01	4,46E+01	1,13E+00	0,000	-2,83E+01	9,86E-02
Air pollution [m ³]	2,42E+02	6,72E+02	9,11E+00	0,000	-4,94E+02	5,49E+01
Water pollution [m ³]	7,09E-01	9,58E-01	3,67E-02	0,000	-3,60E-01	7,56E-02
Hazardous waste for disposal [kg]	9,05E-08	9,36E-08	6,62E-10	0,000	-3,84E-09	1,24E-10
Disposed of non-hazardous waste [kg]	2,47E-01	9,81E-01	1,78E-03	0,000	-7,37E-01	1,43E-03
Disposed of radioactive waste [kg]	1,72E-03	4,79E-03	3,71E-04	0,000	-3,47E-03	2,11E-05

evaluated from CML 2001, August 2016

1.3.23 MIP-M/48

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332547	MIP-M/48	12	2,754	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	4,779	8,644	0,142	0,000	-5,014	1,008
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	4,94E-12	4,95E-12	4,52E-15	0,000	-1,19E-14	2,28E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,23E-02	2,27E-02	2,78E-04	0,000	-1,58E-02	5,17E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,81E-03	2,21E-03	3,26E-05	0,000	-1,25E-03	8,23E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,24E-04	2,16E-03	2,51E-05	0,000	-1,53E-03	-5,22E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	8,56E-06	9,40E-06	4,74E-08	0,000	-9,41E-07	4,69E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	6,09E+01	1,06E+02	1,63E+00	0,000	-6,03E+01	1,36E+01
Energy (net calorific value) [MJ]	6,53E+01	1,18E+02	2,57E+00	0,000	-6,91E+01	1,36E+01
Energy ren. (net calorific value) [MJ]	1,41E+01	2,75E+01	1,16E+00	0,000	-1,46E+01	6,98E-02
Water consumption [kg]	1,76E+01	4,47E+01	1,14E+00	0,000	-2,84E+01	1,01E-01
Air pollution [m ³]	2,46E+02	6,89E+02	9,20E+00	0,000	-5,08E+02	5,64E+01
Water pollution [m ³]	7,15E-01	9,65E-01	3,71E-02	0,000	-3,65E-01	7,76E-02
Hazardous waste for disposal [kg]	9,06E-08	9,36E-08	6,70E-10	0,000	-3,83E-09	1,28E-10
Disposed of non-hazardous waste [kg]	2,48E-01	9,83E-01	1,80E-03	0,000	-7,39E-01	1,47E-03
Disposed of radioactive waste [kg]	1,73E-03	4,80E-03	3,75E-04	0,000	-3,47E-03	2,17E-05

evaluated from CML 2001, August 2016

1.3.24 MIP-M/54-57

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332548	MIP-M/54-57	12	2,996	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	5,671	9,726	0,145	0,000	-5,360	1,160
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,06E-12	8,07E-12	4,62E-15	0,000	-1,49E-14	2,62E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,45E-02	2,61E-02	2,83E-04	0,000	-1,78E-02	5,95E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,20E-03	2,61E-03	3,33E-05	0,000	-1,39E-03	9,47E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,75E-04	2,43E-03	2,69E-05	0,000	-1,68E-03	-6,00E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,10E-05	1,21E-05	4,85E-08	0,000	-1,12E-06	5,40E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	7,31E+01	1,25E+02	1,66E+00	0,000	-6,90E+01	1,56E+01
Energy (net calorific value) [MJ]	7,80E+01	1,39E+02	2,63E+00	0,000	-7,96E+01	1,57E+01
Energy ren. (net calorific value) [MJ]	1,91E+01	3,53E+01	1,19E+00	0,000	-1,74E+01	8,03E-02
Water consumption [kg]	2,30E+01	5,43E+01	1,16E+00	0,000	-3,25E+01	1,17E-01
Air pollution [m ³]	2,90E+02	7,72E+02	9,48E+00	0,000	-5,57E+02	6,49E+01
Water pollution [m ³]	9,37E-01	1,23E+00	3,79E-02	0,000	-4,25E-01	8,94E-02
Hazardous waste for disposal [kg]	1,44E-07	1,48E-07	6,84E-10	0,000	-4,86E-09	1,47E-10
Disposed of non-hazardous waste [kg]	3,02E-01	1,16E+00	1,84E-03	0,000	-8,57E-01	1,69E-03
Disposed of radioactive waste [kg]	1,97E-03	5,73E-03	3,83E-04	0,000	-4,17E-03	2,49E-05

evaluated from CML 2001, August 2016

1.3.25 MIP-M/60-64

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332549	MIP-M/60-64	12	3,817	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	7,356	12,677	0,218	0,000	-7,017	1,478
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,07E-12	8,08E-12	6,94E-15	0,000	-1,85E-14	3,34E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,85E-02	3,33E-02	4,26E-04	0,000	-2,28E-02	7,58E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,76E-03	3,29E-03	5,01E-05	0,000	-1,79E-03	1,21E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,39E-04	3,15E-03	3,93E-05	0,000	-2,19E-03	-7,65E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,45E-05	1,58E-05	7,28E-08	0,000	-1,40E-06	6,88E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	9,45E+01	1,60E+02	2,50E+00	0,000	-8,81E+01	1,99E+01
Energy (net calorific value) [MJ]	1,01E+02	1,78E+02	3,95E+00	0,000	-1,01E+02	2,00E+01
Energy ren. (net calorific value) [MJ]	2,22E+01	4,21E+01	1,78E+00	0,000	-2,18E+01	1,02E-01
Water consumption [kg]	2,82E+01	6,76E+01	1,75E+00	0,000	-4,12E+01	1,49E-01
Air pollution [m ³]	3,74E+02	1,00E+03	1,42E+01	0,000	-7,25E+02	8,27E+01
Water pollution [m ³]	1,13E+00	1,50E+00	5,69E-02	0,000	-5,39E-01	1,14E-01
Hazardous waste for disposal [kg]	1,48E-07	1,52E-07	1,03E-09	0,000	-5,97E-09	1,88E-10
Disposed of non-hazardous waste [kg]	3,74E-01	1,45E+00	2,76E-03	0,000	-1,08E+00	2,16E-03
Disposed of radioactive waste [kg]	2,63E-03	7,21E-03	5,76E-04	0,000	-5,19E-03	3,18E-05

evaluated from CML 2001, August 2016

1.3.26 MIP-M/76-80

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332550	MIP-M/76-80	12	4,725	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	9,622	15,866	0,228	0,000	-8,302	1,830
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,24E-11	1,24E-11	7,25E-15	0,000	-2,52E-14	4,13E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,38E-02	4,23E-02	4,45E-04	0,000	-2,83E-02	9,39E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,60E-03	4,24E-03	5,24E-05	0,000	-2,19E-03	1,49E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	3,79E-04	3,90E-03	4,43E-05	0,000	-2,62E-03	-9,47E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,07E-05	2,24E-05	7,61E-08	0,000	-1,85E-06	8,52E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,25E+02	2,09E+02	2,61E+00	0,000	-1,11E+02	2,46E+01
Energy (net calorific value) [MJ]	1,33E+02	2,33E+02	4,13E+00	0,000	-1,29E+02	2,47E+01
Energy ren. (net calorific value) [MJ]	3,10E+01	5,78E+01	1,86E+00	0,000	-2,89E+01	1,27E-01
Water consumption [kg]	3,95E+01	9,06E+01	1,83E+00	0,000	-5,31E+01	1,84E-01
Air pollution [m ³]	4,81E+02	1,23E+03	1,50E+01	0,000	-8,67E+02	1,02E+02
Water pollution [m ³]	1,57E+00	2,06E+00	5,95E-02	0,000	-6,92E-01	1,41E-01
Hazardous waste for disposal [kg]	2,24E-07	2,31E-07	1,07E-09	0,000	-8,31E-09	2,32E-10
Disposed of non-hazardous waste [kg]	5,03E-01	1,91E+00	2,88E-03	0,000	-1,41E+00	2,67E-03
Disposed of radioactive waste [kg]	3,30E-03	9,61E-03	6,02E-04	0,000	-6,96E-03	3,93E-05

evaluated from CML 2001, August 2016

1.3.27 MIP-M/89

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332551	MIP-M/89	10	4,536	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	9,886	15,935	0,196	0,000	-8,002	1,757
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,28E-11	1,28E-11	6,23E-15	0,000	-2,65E-14	3,97E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,40E-02	4,29E-02	3,82E-04	0,000	-2,83E-02	9,01E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,63E-03	4,30E-03	4,50E-05	0,000	-2,15E-03	1,43E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	4,66E-04	3,83E-03	4,09E-05	0,000	-2,50E-03	-9,09E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,28E-05	2,47E-05	6,54E-08	0,000	-1,99E-06	8,18E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,29E+02	2,15E+02	2,24E+00	0,000	-1,12E+02	2,37E+01
Energy (net calorific value) [MJ]	1,37E+02	2,41E+02	3,54E+00	0,000	-1,31E+02	2,38E+01
Energy ren. (net calorific value) [MJ]	3,21E+01	6,11E+01	1,60E+00	0,000	-3,07E+01	1,22E-01
Water consumption [kg]	4,23E+01	9,64E+01	1,57E+00	0,000	-5,58E+01	1,77E-01
Air pollution [m ³]	4,86E+02	1,20E+03	1,31E+01	0,000	-8,25E+02	9,83E+01
Water pollution [m ³]	1,63E+00	2,15E+00	5,11E-02	0,000	-7,07E-01	1,35E-01
Hazardous waste for disposal [kg]	2,31E-07	2,39E-07	9,22E-10	0,000	-9,03E-09	2,23E-10
Disposed of non-hazardous waste [kg]	5,35E-01	2,03E+00	2,48E-03	0,000	-1,50E+00	2,56E-03
Disposed of radioactive waste [kg]	3,38E-03	1,03E-02	5,17E-04	0,000	-7,46E-03	3,78E-05

evaluated from CML 2001, August 2016

1.3.28 MIP-M/102-108

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332552	MIP-M/102-108	8	4,323	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	9,322	14,872	0,166	0,000	-7,391	1,675
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,24E-11	1,24E-11	5,31E-15	0,000	-2,49E-14	3,78E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,26E-02	3,98E-02	3,26E-04	0,000	-2,62E-02	8,59E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,44E-03	4,03E-03	3,83E-05	0,000	-2,00E-03	1,37E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	4,25E-04	3,60E-03	3,60E-05	0,000	-2,34E-03	-8,67E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,16E-05	2,33E-05	5,57E-08	0,000	-1,81E-06	7,80E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,22E+02	2,01E+02	1,91E+00	0,000	-1,04E+02	2,25E+01
Energy (net calorific value) [MJ]	1,29E+02	2,25E+02	3,02E+00	0,000	-1,21E+02	2,26E+01
Energy ren. (net calorific value) [MJ]	3,03E+01	5,69E+01	1,36E+00	0,000	-2,81E+01	1,16E-01
Water consumption [kg]	3,95E+01	8,87E+01	1,33E+00	0,000	-5,07E+01	1,68E-01
Air pollution [m ³]	4,57E+02	1,13E+03	1,12E+01	0,000	-7,76E+02	9,37E+01
Water pollution [m ³]	1,54E+00	2,03E+00	4,35E-02	0,000	-6,56E-01	1,29E-01
Hazardous waste for disposal [kg]	2,24E-07	2,31E-07	7,85E-10	0,000	-8,36E-09	2,13E-10
Disposed of non-hazardous waste [kg]	4,93E-01	1,85E+00	2,11E-03	0,000	-1,36E+00	2,44E-03
Disposed of radioactive waste [kg]	3,08E-03	9,43E-03	4,40E-04	0,000	-6,83E-03	3,60E-05

evaluated from CML 2001, August 2016

1.3.29 MIP-M/114

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332553	MIP-M/114	6	3,760	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	8,314	12,983	0,130	0,000	-6,255	1,456
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,24E-11	1,24E-11	4,13E-15	0,000	-2,29E-14	3,29E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,01E-02	3,53E-02	2,54E-04	0,000	-2,29E-02	7,47E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,09E-03	3,60E-03	2,98E-05	0,000	-1,73E-03	1,19E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	4,06E-04	3,12E-03	2,98E-05	0,000	-1,99E-03	-7,54E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,99E-05	2,14E-05	4,34E-08	0,000	-1,65E-06	6,78E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,09E+02	1,80E+02	1,49E+00	0,000	-9,17E+01	1,96E+01
Energy (net calorific value) [MJ]	1,16E+02	2,01E+02	2,35E+00	0,000	-1,08E+02	1,97E+01
Energy ren. (net calorific value) [MJ]	2,86E+01	5,30E+01	1,06E+00	0,000	-2,56E+01	1,01E-01
Water consumption [kg]	3,69E+01	8,12E+01	1,04E+00	0,000	-4,55E+01	1,46E-01
Air pollution [m ³]	4,06E+02	9,76E+02	8,82E+00	0,000	-6,60E+02	8,15E+01
Water pollution [m ³]	1,43E+00	1,87E+00	3,39E-02	0,000	-5,85E-01	1,12E-01
Hazardous waste for disposal [kg]	2,22E-07	2,29E-07	6,12E-10	0,000	-7,78E-09	1,85E-10
Disposed of non-hazardous waste [kg]	4,52E-01	1,68E+00	1,64E-03	0,000	-1,23E+00	2,13E-03
Disposed of radioactive waste [kg]	2,72E-03	8,59E-03	3,43E-04	0,000	-6,25E-03	3,13E-05

evaluated from CML 2001, August 2016

1.3.30 MIP-T/10-12

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332563	MIP-T/10-12	20	3,760	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	7,238	13,075	0,226	0,000	-7,519	1,456
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	6,74E-12	6,76E-12	7,20E-15	0,000	-1,82E-14	3,29E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,84E-02	3,45E-02	4,42E-04	0,000	-2,40E-02	7,47E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,68E-03	3,32E-03	5,20E-05	0,000	-1,88E-03	1,19E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,35E-04	3,20E-03	3,99E-05	0,000	-2,26E-03	-7,54E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,35E-05	1,49E-05	7,56E-08	0,000	-1,50E-06	6,78E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	9,24E+01	1,62E+02	2,59E+00	0,000	-9,13E+01	1,96E+01
Energy (net calorific value) [MJ]	9,93E+01	1,81E+02	4,10E+00	0,000	-1,05E+02	1,97E+01
Energy ren. (net calorific value) [MJ]	2,10E+01	4,23E+01	1,85E+00	0,000	-2,32E+01	1,01E-01
Water consumption [kg]	2,74E+01	7,04E+01	1,81E+00	0,000	-4,49E+01	1,46E-01
Air pollution [m ³]	3,70E+02	1,02E+03	1,47E+01	0,000	-7,45E+02	8,15E+01
Water pollution [m ³]	1,07E+00	1,46E+00	5,91E-02	0,000	-5,58E-01	1,12E-01
Hazardous waste for disposal [kg]	1,26E-07	1,30E-07	1,07E-09	0,000	-6,06E-09	1,85E-10
Disposed of non-hazardous waste [kg]	3,89E-01	1,56E+00	2,86E-03	0,000	-1,18E+00	2,13E-03
Disposed of radioactive waste [kg]	2,73E-03	7,61E-03	5,98E-04	0,000	-5,51E-03	3,13E-05

evaluated from CML 2001, August 2016

1.3.31 MIP-T/15-18

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332554	MIP-T/15-18	20	3,970	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	7,849	14,023	0,229	0,000	-7,942	1,538
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	6,75E-12	6,76E-12	7,30E-15	0,000	-1,96E-14	3,47E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,97E-02	3,68E-02	4,48E-04	0,000	-2,55E-02	7,89E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,86E-03	3,55E-03	5,27E-05	0,000	-1,99E-03	1,26E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,77E-04	3,41E-03	4,14E-05	0,000	-2,38E-03	-7,96E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,53E-05	1,67E-05	7,66E-08	0,000	-1,62E-06	7,16E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,00E+02	1,74E+02	2,63E+00	0,000	-9,73E+01	2,07E+01
Energy (net calorific value) [MJ]	1,08E+02	1,95E+02	4,16E+00	0,000	-1,12E+02	2,08E+01
Energy ren. (net calorific value) [MJ]	2,21E+01	4,50E+01	1,88E+00	0,000	-2,49E+01	1,06E-01
Water consumption [kg]	2,96E+01	7,57E+01	1,84E+00	0,000	-4,81E+01	1,55E-01
Air pollution [m ³]	3,97E+02	1,08E+03	1,49E+01	0,000	-7,87E+02	8,61E+01
Water pollution [m ³]	1,14E+00	1,56E+00	5,99E-02	0,000	-5,96E-01	1,18E-01
Hazardous waste for disposal [kg]	1,27E-07	1,33E-07	1,08E-09	0,000	-6,57E-09	1,95E-10
Disposed of non-hazardous waste [kg]	4,18E-01	1,68E+00	2,90E-03	0,000	-1,27E+00	2,24E-03
Disposed of radioactive waste [kg]	2,93E-03	8,22E-03	6,06E-04	0,000	-5,93E-03	3,30E-05

evaluated from CML 2001, August 2016

1.3.32 MIP-T/21

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332566	MIP-T/21	16	3,442	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	6,937	12,106	0,186	0,000	-6,688	1,333
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	6,74E-12	6,75E-12	5,93E-15	0,000	-1,76E-14	3,01E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,73E-02	3,20E-02	3,64E-04	0,000	-2,19E-02	6,84E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,54E-03	3,11E-03	4,28E-05	0,000	-1,70E-03	1,09E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,62E-04	2,94E-03	3,46E-05	0,000	-2,02E-03	-6,90E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,41E-05	1,54E-05	6,22E-08	0,000	-1,42E-06	6,21E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	8,92E+01	1,53E+02	2,14E+00	0,000	-8,42E+01	1,80E+01
Energy (net calorific value) [MJ]	9,56E+01	1,72E+02	3,37E+00	0,000	-9,75E+01	1,80E+01
Energy ren. (net calorific value) [MJ]	2,03E+01	4,05E+01	1,52E+00	0,000	-2,19E+01	9,23E-02
Water consumption [kg]	2,70E+01	6,70E+01	1,49E+00	0,000	-4,16E+01	1,34E-01
Air pollution [m ³]	3,49E+02	9,31E+02	1,22E+01	0,000	-6,69E+02	7,46E+01
Water pollution [m ³]	1,04E+00	1,41E+00	4,87E-02	0,000	-5,19E-01	1,03E-01
Hazardous waste for disposal [kg]	1,25E-07	1,30E-07	8,78E-10	0,000	-5,92E-09	1,69E-10
Disposed of non-hazardous waste [kg]	3,71E-01	1,47E+00	2,36E-03	0,000	-1,10E+00	1,95E-03
Disposed of radioactive waste [kg]	2,53E-03	7,24E-03	4,92E-04	0,000	-5,23E-03	2,86E-05

evaluated from CML 2001, August 2016

1.3.33 MIP-T/25

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332555	MIP-T/25	16	3,552	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	7,051	12,361	0,189	0,000	-6,874	1,376
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	6,74E-12	6,75E-12	6,01E-15	0,000	-1,78E-14	3,11E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,76E-02	3,25E-02	3,69E-04	0,000	-2,23E-02	7,06E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,59E-03	3,16E-03	4,34E-05	0,000	-1,74E-03	1,12E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,52E-04	3,02E-03	3,49E-05	0,000	-2,09E-03	-7,12E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,41E-05	1,54E-05	6,31E-08	0,000	-1,42E-06	6,41E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	9,05E+01	1,56E+02	2,16E+00	0,000	-8,57E+01	1,85E+01
Energy (net calorific value) [MJ]	9,70E+01	1,74E+02	3,42E+00	0,000	-9,90E+01	1,86E+01
Energy ren. (net calorific value) [MJ]	2,04E+01	4,06E+01	1,54E+00	0,000	-2,19E+01	9,53E-02
Water consumption [kg]	2,69E+01	6,71E+01	1,51E+00	0,000	-4,19E+01	1,38E-01
Air pollution [m ³]	3,55E+02	9,57E+02	1,23E+01	0,000	-6,91E+02	7,70E+01
Water pollution [m ³]	1,05E+00	1,42E+00	4,93E-02	0,000	-5,27E-01	1,06E-01
Hazardous waste for disposal [kg]	1,26E-07	1,30E-07	8,90E-10	0,000	-5,91E-09	1,75E-10
Disposed of non-hazardous waste [kg]	3,71E-01	1,47E+00	2,39E-03	0,000	-1,10E+00	2,01E-03
Disposed of radioactive waste [kg]	2,55E-03	7,25E-03	4,99E-04	0,000	-5,23E-03	2,96E-05

evaluated from CML 2001, August 2016

1.3.34 MIP-T/27-30

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332556	MIP-T/27-30	12	2,967	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	6,120	10,295	0,144	0,000	-5,468	1,149
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	6,60E-12	6,61E-12	4,60E-15	0,000	-1,57E-14	2,60E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,51E-02	2,72E-02	2,82E-04	0,000	-1,83E-02	5,90E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,24E-03	2,69E-03	3,32E-05	0,000	-1,42E-03	9,38E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,47E-04	2,50E-03	2,80E-05	0,000	-1,69E-03	-5,95E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,31E-05	1,42E-05	4,82E-08	0,000	-1,20E-06	5,35E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	7,91E+01	1,33E+02	1,65E+00	0,000	-7,14E+01	1,55E+01
Energy (net calorific value) [MJ]	8,45E+01	1,49E+02	2,61E+00	0,000	-8,27E+01	1,55E+01
Energy ren. (net calorific value) [MJ]	1,84E+01	3,57E+01	1,18E+00	0,000	-1,86E+01	7,96E-02
Water consumption [kg]	2,43E+01	5,78E+01	1,16E+00	0,000	-3,48E+01	1,16E-01
Air pollution [m ³]	3,05E+02	7,90E+02	9,51E+00	0,000	-5,59E+02	6,43E+01
Water pollution [m ³]	9,50E-01	1,27E+00	3,77E-02	0,000	-4,44E-01	8,85E-02
Hazardous waste for disposal [kg]	1,22E-07	1,26E-07	6,80E-10	0,000	-5,24E-09	1,46E-10
Disposed of non-hazardous waste [kg]	3,21E-01	1,24E+00	1,83E-03	0,000	-9,23E-01	1,68E-03
Disposed of radioactive waste [kg]	2,14E-03	6,21E-03	3,81E-04	0,000	-4,48E-03	2,47E-05

evaluated from CML 2001, August 2016

1.3.35 MIP-T/34-35

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332567	MIP-T/34-35	12	4,053	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	8,512	14,009	0,219	0,000	-7,287	1,570
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,08E-12	8,09E-12	6,99E-15	0,000	-2,13E-14	3,55E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,06E-02	3,65E-02	4,29E-04	0,000	-2,44E-02	8,05E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,06E-03	3,62E-03	5,04E-05	0,000	-1,89E-03	1,28E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	3,57E-04	3,41E-03	4,21E-05	0,000	-2,29E-03	-8,12E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,89E-05	2,03E-05	7,33E-08	0,000	-1,57E-06	7,31E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,10E+02	1,82E+02	2,51E+00	0,000	-9,55E+01	2,11E+01
Energy (net calorific value) [MJ]	1,18E+02	2,03E+02	3,97E+00	0,000	-1,10E+02	2,12E+01
Energy ren. (net calorific value) [MJ]	2,41E+01	4,66E+01	1,79E+00	0,000	-2,44E+01	1,09E-01
Water consumption [kg]	3,30E+01	7,64E+01	1,76E+00	0,000	-4,54E+01	1,58E-01
Air pollution [m ³]	4,21E+02	1,08E+03	1,44E+01	0,000	-7,59E+02	8,79E+01
Water pollution [m ³]	1,29E+00	1,70E+00	5,73E-02	0,000	-5,94E-01	1,21E-01
Hazardous waste for disposal [kg]	1,52E-07	1,57E-07	1,03E-09	0,000	-6,97E-09	1,99E-10
Disposed of non-hazardous waste [kg]	4,23E-01	1,62E+00	2,78E-03	0,000	-1,20E+00	2,29E-03
Disposed of radioactive waste [kg]	2,95E-03	8,21E-03	5,80E-04	0,000	-5,88E-03	3,37E-05

evaluated from CML 2001, August 2016

1.3.36 MIP-T/38

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332557	MIP-T/38	12	4,053	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	8,512	14,009	0,219	0,000	-7,287	1,570
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,08E-12	8,09E-12	6,99E-15	0,000	-2,13E-14	3,55E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,06E-02	3,65E-02	4,29E-04	0,000	-2,44E-02	8,05E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,06E-03	3,62E-03	5,04E-05	0,000	-1,89E-03	1,28E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	3,57E-04	3,41E-03	4,21E-05	0,000	-2,29E-03	-8,12E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,89E-05	2,03E-05	7,33E-08	0,000	-1,57E-06	7,31E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,10E+02	1,82E+02	2,51E+00	0,000	-9,55E+01	2,11E+01
Energy (net calorific value) [MJ]	1,18E+02	2,03E+02	3,97E+00	0,000	-1,10E+02	2,12E+01
Energy ren. (net calorific value) [MJ]	2,41E+01	4,66E+01	1,79E+00	0,000	-2,44E+01	1,09E-01
Water consumption [kg]	3,30E+01	7,64E+01	1,76E+00	0,000	-4,54E+01	1,58E-01
Air pollution [m ³]	4,21E+02	1,08E+03	1,44E+01	0,000	-7,59E+02	8,79E+01
Water pollution [m ³]	1,29E+00	1,70E+00	5,73E-02	0,000	-5,94E-01	1,21E-01
Hazardous waste for disposal [kg]	1,52E-07	1,57E-07	1,03E-09	0,000	-6,97E-09	1,99E-10
Disposed of non-hazardous waste [kg]	4,23E-01	1,62E+00	2,78E-03	0,000	-1,20E+00	2,29E-03
Disposed of radioactive waste [kg]	2,95E-03	8,21E-03	5,80E-04	0,000	-5,88E-03	3,37E-05

evaluated from CML 2001, August 2016

1.3.37 MIP-T/42-45

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332558	MIP-T/42-45	12	4,273	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	9,182	14,990	0,222	0,000	-7,686	1,655
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,08E-12	8,10E-12	7,09E-15	0,000	-2,29E-14	3,74E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,20E-02	3,89E-02	4,35E-04	0,000	-2,59E-02	8,49E-03
Eutrophication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,26E-03	3,85E-03	5,11E-05	0,000	-2,00E-03	1,35E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	4,06E-04	3,63E-03	4,37E-05	0,000	-2,41E-03	-8,57E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,09E-05	2,24E-05	7,43E-08	0,000	-1,68E-06	7,70E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,19E+02	1,96E+02	2,55E+00	0,000	-1,02E+02	2,23E+01
Energy (net calorific value) [MJ]	1,27E+02	2,18E+02	4,03E+00	0,000	-1,17E+02	2,24E+01
Energy ren. (net calorific value) [MJ]	2,52E+01	4,94E+01	1,82E+00	0,000	-2,62E+01	1,15E-01
Water consumption [kg]	3,54E+01	8,19E+01	1,78E+00	0,000	-4,85E+01	1,66E-01
Air pollution [m ³]	4,50E+02	1,14E+03	1,47E+01	0,000	-8,00E+02	9,26E+01
Water pollution [m ³]	1,37E+00	1,82E+00	5,81E-02	0,000	-6,33E-01	1,28E-01
Hazardous waste for disposal [kg]	1,54E-07	1,60E-07	1,05E-09	0,000	-7,51E-09	2,10E-10
Disposed of non-hazardous waste [kg]	4,53E-01	1,73E+00	2,82E-03	0,000	-1,29E+00	2,42E-03
Disposed of radioactive waste [kg]	3,15E-03	8,83E-03	5,88E-04	0,000	-6,30E-03	3,56E-05

evaluated from CML 2001, August 2016

1.3.38 MIP-T/48

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332559	MIP-T/48	12	4,470	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	9,815	15,835	0,225	0,000	-7,976	1,731
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,09E-12	8,11E-12	7,17E-15	0,000	-2,44E-14	3,91E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,32E-02	4,09E-02	4,40E-04	0,000	-2,70E-02	8,88E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,44E-03	4,06E-03	5,17E-05	0,000	-2,08E-03	1,41E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	4,55E-04	3,82E-03	4,53E-05	0,000	-2,51E-03	-8,96E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,29E-05	2,46E-05	7,52E-08	0,000	-1,77E-06	8,06E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,27E+02	2,08E+02	2,58E+00	0,000	-1,06E+02	2,33E+01
Energy (net calorific value) [MJ]	1,36E+02	2,32E+02	4,08E+00	0,000	-1,23E+02	2,34E+01
Energy ren. (net calorific value) [MJ]	2,62E+01	5,18E+01	1,84E+00	0,000	-2,76E+01	1,20E-01
Water consumption [kg]	3,76E+01	8,64E+01	1,80E+00	0,000	-5,08E+01	1,74E-01
Air pollution [m ³]	4,77E+02	1,20E+03	1,49E+01	0,000	-8,34E+02	9,69E+01
Water pollution [m ³]	1,45E+00	1,93E+00	5,88E-02	0,000	-6,65E-01	1,33E-01
Hazardous waste for disposal [kg]	1,55E-07	1,62E-07	1,06E-09	0,000	-7,98E-09	2,20E-10
Disposed of non-hazardous waste [kg]	4,78E-01	1,82E+00	2,85E-03	0,000	-1,35E+00	2,53E-03
Disposed of radioactive waste [kg]	3,33E-03	9,34E-03	5,95E-04	0,000	-6,65E-03	3,72E-05

evaluated from CML 2001, August 2016

1.3.39 MIP-T/54

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332568	MIP-T/54	8	3,283	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	7,190	11,226	0,152	0,000	-5,460	1,272
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,07E-12	8,08E-12	4,85E-15	0,000	-1,85E-14	2,87E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,71E-02	2,94E-02	2,97E-04	0,000	-1,92E-02	6,52E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,59E-03	2,99E-03	3,50E-05	0,000	-1,47E-03	1,04E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	3,36E-04	2,73E-03	3,15E-05	0,000	-1,77E-03	-6,58E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,72E-05	1,83E-05	5,08E-08	0,000	-1,28E-06	5,92E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	9,38E+01	1,51E+02	1,74E+00	0,000	-7,65E+01	1,71E+01
Energy (net calorific value) [MJ]	9,98E+01	1,69E+02	2,76E+00	0,000	-8,88E+01	1,72E+01
Energy ren. (net calorific value) [MJ]	2,14E+01	4,01E+01	1,24E+00	0,000	-2,00E+01	8,80E-02
Water consumption [kg]	2,92E+01	6,38E+01	1,22E+00	0,000	-3,60E+01	1,28E-01
Air pollution [m ³]	3,50E+02	8,56E+02	1,01E+01	0,000	-5,87E+02	7,12E+01
Water pollution [m ³]	1,14E+00	1,49E+00	3,97E-02	0,000	-4,82E-01	9,80E-02
Hazardous waste for disposal [kg]	1,49E-07	1,54E-07	7,17E-10	0,000	-6,03E-09	1,61E-10
Disposed of non-hazardous waste [kg]	3,54E-01	1,31E+00	1,92E-03	0,000	-9,63E-01	1,86E-03
Disposed of radioactive waste [kg]	2,36E-03	6,79E-03	4,02E-04	0,000	-4,86E-03	2,73E-05

evaluated from CML 2001, August 2016

1.3.40 MIP-T/57

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332560	MIP-T/57	8	3,348	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	7,257	11,377	0,154	0,000	-5,570	1,297
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,07E-12	8,08E-12	4,89E-15	0,000	-1,86E-14	2,93E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,73E-02	2,97E-02	3,00E-04	0,000	-1,94E-02	6,65E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,62E-03	3,02E-03	3,53E-05	0,000	-1,49E-03	1,06E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	3,30E-04	2,77E-03	3,17E-05	0,000	-1,80E-03	-6,71E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,72E-05	1,83E-05	5,13E-08	0,000	-1,28E-06	6,04E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	9,46E+01	1,53E+02	1,76E+00	0,000	-7,74E+01	1,75E+01
Energy (net calorific value) [MJ]	1,01E+02	1,70E+02	2,78E+00	0,000	-8,97E+01	1,75E+01
Energy ren. (net calorific value) [MJ]	2,15E+01	4,02E+01	1,26E+00	0,000	-2,01E+01	8,98E-02
Water consumption [kg]	2,91E+01	6,39E+01	1,23E+00	0,000	-3,61E+01	1,30E-01
Air pollution [m ³]	3,54E+02	8,71E+02	1,02E+01	0,000	-6,00E+02	7,26E+01
Water pollution [m ³]	1,15E+00	1,50E+00	4,01E-02	0,000	-4,87E-01	9,99E-02
Hazardous waste for disposal [kg]	1,49E-07	1,54E-07	7,24E-10	0,000	-6,02E-09	1,65E-10
Disposed of non-hazardous waste [kg]	3,55E-01	1,32E+00	1,94E-03	0,000	-9,65E-01	1,89E-03
Disposed of radioactive waste [kg]	2,37E-03	6,80E-03	4,06E-04	0,000	-4,86E-03	2,79E-05

evaluated from CML 2001, August 2016

1.3.41 MIP-T/60

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332569	MIP-T/60	6	3,046	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	6,821	9,998	0,117	0,000	-4,474	1,180
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,12E-11	1,12E-11	3,74E-15	0,000	-1,88E-14	2,66E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,63E-02	2,71E-02	2,30E-04	0,000	-1,71E-02	6,05E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,55E-03	2,85E-03	2,70E-05	0,000	-1,29E-03	9,63E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	3,45E-04	2,44E-03	2,66E-05	0,000	-1,51E-03	-6,11E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,72E-05	1,83E-05	3,93E-08	0,000	-1,23E-06	5,49E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	9,00E+01	1,43E+02	1,35E+00	0,000	-7,02E+01	1,59E+01
Energy (net calorific value) [MJ]	9,54E+01	1,60E+02	2,13E+00	0,000	-8,22E+01	1,59E+01
Energy ren. (net calorific value) [MJ]	2,43E+01	4,25E+01	9,61E-01	0,000	-1,93E+01	8,17E-02
Water consumption [kg]	3,09E+01	6,29E+01	9,41E-01	0,000	-3,30E+01	1,19E-01
Air pollution [m ³]	3,32E+02	7,61E+02	7,96E+00	0,000	-5,03E+02	6,60E+01
Water pollution [m ³]	1,22E+00	1,55E+00	3,07E-02	0,000	-4,52E-01	9,09E-02
Hazardous waste for disposal [kg]	1,99E-07	2,05E-07	5,54E-10	0,000	-6,21E-09	1,50E-10
Disposed of non-hazardous waste [kg]	3,51E-01	1,25E+00	1,49E-03	0,000	-9,00E-01	1,72E-03
Disposed of radioactive waste [kg]	2,14E-03	6,55E-03	3,11E-04	0,000	-4,74E-03	2,53E-05

evaluated from CML 2001, August 2016

1.3.42 MIP-T/64

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332561	MIP-T/64	6	3,095	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	6,872	10,111	0,119	0,000	-4,556	1,199
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,12E-11	1,12E-11	3,78E-15	0,000	-1,88E-14	2,71E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,64E-02	2,73E-02	2,32E-04	0,000	-1,73E-02	6,15E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,58E-03	2,88E-03	2,72E-05	0,000	-1,31E-03	9,79E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	3,40E-04	2,48E-03	2,67E-05	0,000	-1,54E-03	-6,20E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,72E-05	1,83E-05	3,96E-08	0,000	-1,23E-06	5,58E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	9,06E+01	1,44E+02	1,36E+00	0,000	-7,09E+01	1,61E+01
Energy (net calorific value) [MJ]	9,60E+01	1,61E+02	2,15E+00	0,000	-8,29E+01	1,62E+01
Energy ren. (net calorific value) [MJ]	2,43E+01	4,25E+01	9,70E-01	0,000	-1,93E+01	8,30E-02
Water consumption [kg]	3,09E+01	6,29E+01	9,50E-01	0,000	-3,31E+01	1,21E-01
Air pollution [m ³]	3,34E+02	7,72E+02	8,03E+00	0,000	-5,13E+02	6,71E+01
Water pollution [m ³]	1,23E+00	1,56E+00	3,10E-02	0,000	-4,55E-01	9,23E-02
Hazardous waste for disposal [kg]	1,99E-07	2,05E-07	5,59E-10	0,000	-6,20E-09	1,52E-10
Disposed of non-hazardous waste [kg]	3,52E-01	1,25E+00	1,50E-03	0,000	-9,01E-01	1,75E-03
Disposed of radioactive waste [kg]	2,15E-03	6,55E-03	3,13E-04	0,000	-4,74E-03	2,58E-05

evaluated from CML 2001, August 2016

1.3.43 MIP-T/76-80

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2332562	MIP-T/76-80	6	3,609	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	8,921	13,188	0,127	0,000	-5,791	1,398
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,99E-12	9,01E-12	4,04E-15	0,000	-2,32E-14	3,16E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,02E-02	3,45E-02	2,48E-04	0,000	-2,17E-02	7,17E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,07E-03	3,52E-03	2,91E-05	0,000	-1,62E-03	1,14E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	5,22E-04	3,10E-03	3,18E-05	0,000	-1,89E-03	-7,23E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,39E-05	2,53E-05	4,24E-08	0,000	-1,59E-06	6,51E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,18E+02	1,86E+02	1,45E+00	0,000	-8,83E+01	1,88E+01
Energy (net calorific value) [MJ]	1,25E+02	2,07E+02	2,30E+00	0,000	-1,04E+02	1,89E+01
Energy ren. (net calorific value) [MJ]	2,53E+01	4,88E+01	1,04E+00	0,000	-2,47E+01	9,68E-02
Water consumption [kg]	3,72E+01	7,92E+01	1,02E+00	0,000	-4,32E+01	1,41E-01
Air pollution [m ³]	4,20E+02	9,60E+02	8,78E+00	0,000	-6,27E+02	7,82E+01
Water pollution [m ³]	1,41E+00	1,84E+00	3,31E-02	0,000	-5,70E-01	1,08E-01
Hazardous waste for disposal [kg]	1,70E-07	1,77E-07	5,98E-10	0,000	-7,78E-09	1,77E-10
Disposed of non-hazardous waste [kg]	4,39E-01	1,61E+00	1,60E-03	0,000	-1,18E+00	2,04E-03
Disposed of radioactive waste [kg]	2,81E-03	8,51E-03	3,35E-04	0,000	-6,06E-03	3,00E-05

evaluated from CML 2001, August 2016

1.3.44 MIP-H/159-160

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314142	MIP-H/159-160	3	2,684	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	4,314	8,485	0,129	0,000	-5,339	1,040
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,24E-12	8,25E-12	4,10E-15	0,000	-1,20E-14	2,35E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,23E-02	2,36E-02	2,51E-04	0,000	-1,69E-02	5,33E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,84E-03	2,31E-03	2,96E-05	0,000	-1,34E-03	8,49E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	4,64E-05	2,16E-03	2,14E-05	0,000	-1,59E-03	-5,38E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	5,63E-06	6,58E-06	4,30E-08	0,000	-1,04E-06	4,84E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	5,46E+01	1,03E+02	1,47E+00	0,000	-6,37E+01	1,40E+01
Energy (net calorific value) [MJ]	5,88E+01	1,16E+02	2,33E+00	0,000	-7,33E+01	1,41E+01
Energy ren. (net calorific value) [MJ]	1,75E+01	3,25E+01	1,05E+00	0,000	-1,61E+01	7,20E-02
Water consumption [kg]	1,83E+01	4,85E+01	1,03E+00	0,000	-3,14E+01	1,05E-01
Air pollution [m ³]	2,35E+02	6,93E+02	8,25E+00	0,000	-5,25E+02	5,82E+01
Water pollution [m ³]	7,61E-01	1,03E+00	3,36E-02	0,000	-3,84E-01	8,01E-02
Hazardous waste for disposal [kg]	1,42E-07	1,45E-07	6,07E-10	0,000	-4,07E-09	1,32E-10
Disposed of non-hazardous waste [kg]	2,71E-01	1,09E+00	1,63E-03	0,000	-8,21E-01	1,52E-03
Disposed of radioactive waste [kg]	1,66E-03	5,10E-03	3,40E-04	0,000	-3,81E-03	2,23E-05

evaluated from CML 2001, August 2016

1.3.45 MIP-H/165-168

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314143	MIP-H/165-168	3	2,793	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	4,780	9,237	0,130	0,000	-5,668	1,082
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,25E-12	8,25E-12	4,14E-15	0,000	-1,33E-14	2,44E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,32E-02	2,57E-02	2,54E-04	0,000	-1,82E-02	5,55E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	1,97E-03	2,49E-03	2,98E-05	0,000	-1,43E-03	8,83E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	9,26E-05	2,30E-03	2,24E-05	0,000	-1,67E-03	-5,60E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	7,07E-06	8,15E-06	4,34E-08	0,000	-1,17E-06	5,04E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	6,08E+01	1,13E+02	1,49E+00	0,000	-6,88E+01	1,46E+01
Energy (net calorific value) [MJ]	6,54E+01	1,28E+02	2,35E+00	0,000	-7,96E+01	1,46E+01
Energy ren. (net calorific value) [MJ]	1,85E+01	3,54E+01	1,06E+00	0,000	-1,80E+01	7,49E-02
Water consumption [kg]	2,04E+01	5,42E+01	1,04E+00	0,000	-3,49E+01	1,09E-01
Air pollution [m ³]	2,56E+02	7,36E+02	8,38E+00	0,000	-5,50E+02	6,05E+01
Water pollution [m ³]	8,21E-01	1,12E+00	3,39E-02	0,000	-4,19E-01	8,33E-02
Hazardous waste for disposal [kg]	1,43E-07	1,47E-07	6,12E-10	0,000	-4,62E-09	1,37E-10
Disposed of non-hazardous waste [kg]	3,02E-01	1,22E+00	1,64E-03	0,000	-9,19E-01	1,58E-03
Disposed of radioactive waste [kg]	1,84E-03	5,75E-03	3,43E-04	0,000	-4,28E-03	2,32E-05

evaluated from CML 2001, August 2016

1.3.46 MIP-M/133

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314684	MIP-M/133	6	5,008	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	9,096	16,795	0,259	0,000	-9,898	1,940
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,24E-11	1,24E-11	8,24E-15	0,000	-2,41E-14	4,38E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,41E-02	4,55E-02	5,05E-04	0,000	-3,19E-02	9,95E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,57E-03	4,42E-03	5,94E-05	0,000	-2,50E-03	1,58E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,37E-04	4,16E-03	4,56E-05	0,000	-2,97E-03	-1,00E-03
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,55E-05	1,74E-05	8,64E-08	0,000	-2,02E-06	9,03E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,16E+02	2,08E+02	2,96E+00	0,000	-1,21E+02	2,61E+01
Energy (net calorific value) [MJ]	1,25E+02	2,34E+02	4,68E+00	0,000	-1,40E+02	2,62E+01
Energy ren. (net calorific value) [MJ]	3,10E+01	5,98E+01	2,12E+00	0,000	-3,11E+01	1,34E-01
Water consumption [kg]	3,67E+01	9,44E+01	2,07E+00	0,000	-6,00E+01	1,95E-01
Air pollution [m ³]	4,74E+02	1,33E+03	1,68E+01	0,000	-9,79E+02	1,09E+02
Water pollution [m ³]	1,47E+00	1,99E+00	6,76E-02	0,000	-7,39E-01	1,49E-01
Hazardous waste for disposal [kg]	2,21E-07	2,27E-07	1,22E-09	0,000	-8,13E-09	2,46E-10
Disposed of non-hazardous waste [kg]	5,24E-01	2,09E+00	3,27E-03	0,000	-1,58E+00	2,83E-03
Disposed of radioactive waste [kg]	3,41E-03	1,01E-02	6,84E-04	0,000	-7,39E-03	4,17E-05

evaluated from CML 2001, August 2016

1.3.47 MIP-M/140

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314159	MIP-M/140	6	5,289	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	9,385	17,450	0,256	0,000	-10,371	2,049
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,24E-11	1,24E-11	8,17E-15	0,000	-2,44E-14	4,63E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,50E-02	4,69E-02	5,01E-04	0,000	-3,29E-02	1,05E-02
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	3,69E-03	4,56E-03	5,90E-05	0,000	-2,60E-03	1,67E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,10E-04	4,36E-03	4,53E-05	0,000	-3,13E-03	-1,06E-03
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,56E-05	1,74E-05	8,57E-08	0,000	-2,02E-06	9,54E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,20E+02	2,14E+02	2,94E+00	0,000	-1,25E+02	2,76E+01
Energy (net calorific value) [MJ]	1,28E+02	2,40E+02	4,65E+00	0,000	-1,44E+02	2,77E+01
Energy ren. (net calorific value) [MJ]	3,11E+01	6,01E+01	2,10E+00	0,000	-3,12E+01	1,42E-01
Water consumption [kg]	3,64E+01	9,47E+01	2,06E+00	0,000	-6,05E+01	2,06E-01
Air pollution [m ³]	4,90E+02	1,39E+03	1,66E+01	0,000	-1,03E+03	1,15E+02
Water pollution [m ³]	1,49E+00	2,02E+00	6,70E-02	0,000	-7,58E-01	1,58E-01
Hazardous waste for disposal [kg]	2,21E-07	2,27E-07	1,21E-09	0,000	-8,08E-09	2,60E-10
Disposed of non-hazardous waste [kg]	5,26E-01	2,10E+00	3,25E-03	0,000	-1,58E+00	2,99E-03
Disposed of radioactive waste [kg]	3,44E-03	1,01E-02	6,78E-04	0,000	-7,39E-03	4,40E-05

evaluated from CML 2001, August 2016

1.3.48 MIP-M/159-160

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314160	MIP-M/159-160	6	5,685	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	10,358	19,402	0,257	0,000	-11,504	2,202
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,24E-11	1,24E-11	8,19E-15	0,000	-2,69E-14	4,97E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,73E-02	5,21E-02	5,03E-04	0,000	-3,66E-02	1,13E-02
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	4,00E-03	5,02E-03	5,91E-05	0,000	-2,88E-03	1,80E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,64E-04	4,78E-03	4,65E-05	0,000	-3,42E-03	-1,14E-03
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,76E-05	1,97E-05	8,59E-08	0,000	-2,30E-06	1,03E-07
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,32E+02	2,38E+02	2,95E+00	0,000	-1,39E+02	2,97E+01
Energy (net calorific value) [MJ]	1,42E+02	2,67E+02	4,66E+00	0,000	-1,60E+02	2,98E+01
Energy ren. (net calorific value) [MJ]	3,31E+01	6,62E+01	2,10E+00	0,000	-3,54E+01	1,52E-01
Water consumption [kg]	4,00E+01	1,07E+02	2,06E+00	0,000	-6,89E+01	2,21E-01
Air pollution [m ³]	5,36E+02	1,53E+03	1,67E+01	0,000	-1,13E+03	1,23E+02
Water pollution [m ³]	1,60E+00	2,20E+00	6,72E-02	0,000	-8,43E-01	1,70E-01
Hazardous waste for disposal [kg]	2,23E-07	2,31E-07	1,21E-09	0,000	-9,10E-09	2,79E-10
Disposed of non-hazardous waste [kg]	5,91E-01	2,39E+00	3,25E-03	0,000	-1,81E+00	3,21E-03
Disposed of radioactive waste [kg]	3,81E-03	1,15E-02	6,80E-04	0,000	-8,39E-03	4,73E-05

evaluated from CML 2001, August 2016

1.3.49 MIP-M/165-168

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314161	MIP-M/165-168	3	3,296	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	5,948	10,324	0,130	0,000	-5,783	1,277
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,24E-11	1,24E-11	4,14E-15	0,000	-1,71E-14	2,88E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,60E-02	2,89E-02	2,54E-04	0,000	-1,98E-02	6,55E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,47E-03	2,94E-03	2,98E-05	0,000	-1,54E-03	1,04E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,59E-04	2,60E-03	2,45E-05	0,000	-1,81E-03	-6,61E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,08E-05	1,20E-05	4,34E-08	0,000	-1,31E-06	5,94E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	7,69E+01	1,35E+02	1,49E+00	0,000	-7,70E+01	1,72E+01
Energy (net calorific value) [MJ]	8,21E+01	1,52E+02	2,35E+00	0,000	-8,93E+01	1,73E+01
Energy ren. (net calorific value) [MJ]	2,48E+01	4,39E+01	1,06E+00	0,000	-2,03E+01	8,84E-02
Water consumption [kg]	2,71E+01	6,33E+01	1,04E+00	0,000	-3,74E+01	1,28E-01
Air pollution [m ³]	3,11E+02	8,27E+02	8,50E+00	0,000	-5,97E+02	7,14E+01
Water pollution [m ³]	1,12E+00	1,46E+00	3,39E-02	0,000	-4,77E-01	9,84E-02
Hazardous waste for disposal [kg]	2,14E-07	2,19E-07	6,12E-10	0,000	-5,74E-09	1,62E-10
Disposed of non-hazardous waste [kg]	3,55E-01	1,35E+00	1,64E-03	0,000	-9,95E-01	1,86E-03
Disposed of radioactive waste [kg]	2,06E-03	6,57E-03	3,43E-04	0,000	-4,88E-03	2,74E-05

evaluated from CML 2001, August 2016

1.3.50 MIP-M/216-219

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314162	MIP-M/216-219	3	7,898	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	12,722	21,091	0,457	0,000	-11,886	3,059
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,11E-11	3,11E-11	1,46E-14	0,000	-3,53E-14	6,91E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	3,53E-02	5,84E-02	8,94E-04	0,000	-3,97E-02	1,57E-02
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	5,61E-03	6,19E-03	1,05E-04	0,000	-3,18E-03	2,50E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,50E-04	5,70E-03	7,70E-05	0,000	-4,05E-03	-1,58E-03
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,11E-05	2,31E-05	1,53E-07	0,000	-2,22E-06	1,42E-07
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,64E+02	2,75E+02	5,25E+00	0,000	-1,57E+02	4,12E+01
Energy (net calorific value) [MJ]	1,75E+02	3,04E+02	8,29E+00	0,000	-1,79E+02	4,14E+01
Energy ren. (net calorific value) [MJ]	5,69E+01	8,86E+01	3,74E+00	0,000	-3,57E+01	2,12E-01
Water consumption [kg]	5,67E+01	1,17E+02	3,67E+00	0,000	-6,40E+01	3,08E-01
Air pollution [m ³]	6,88E+02	1,84E+03	2,94E+01	0,000	-1,35E+03	1,71E+02
Water pollution [m ³]	2,53E+00	3,13E+00	1,19E-01	0,000	-9,54E-01	2,36E-01
Hazardous waste for disposal [kg]	5,32E-07	5,40E-07	2,16E-09	0,000	-1,06E-08	3,88E-10
Disposed of non-hazardous waste [kg]	6,57E-01	2,31E+00	5,79E-03	0,000	-1,66E+00	4,46E-03
Disposed of radioactive waste [kg]	4,28E-03	1,15E-02	1,21E-03	0,000	-8,52E-03	6,57E-05

evaluated from CML 2001, August 2016

1.3.51 MIP-M/267-273

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314163	MIP-M/267-273	1	3,919	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	6,046	10,398	0,178	0,000	-6,048	1,518
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,13E-11	1,13E-11	5,67E-15	0,000	-1,50E-14	3,43E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,66E-02	2,72E-02	3,48E-04	0,000	-1,87E-02	7,79E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,59E-03	2,85E-03	4,09E-05	0,000	-1,54E-03	1,24E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	8,01E-06	2,84E-03	3,06E-05	0,000	-2,07E-03	-7,86E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	9,34E-06	1,01E-05	5,95E-08	0,000	-8,73E-07	7,07E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	7,72E+01	1,28E+02	2,04E+00	0,000	-7,34E+01	2,04E+01
Energy (net calorific value) [MJ]	8,18E+01	1,40E+02	3,23E+00	0,000	-8,19E+01	2,05E+01
Energy ren. (net calorific value) [MJ]	2,20E+01	3,49E+01	1,46E+00	0,000	-1,44E+01	1,05E-01
Water consumption [kg]	2,18E+01	4,70E+01	1,43E+00	0,000	-2,68E+01	1,53E-01
Air pollution [m ³]	3,23E+02	9,21E+02	1,15E+01	0,000	-6,95E+02	8,49E+01
Water pollution [m ³]	1,05E+00	1,32E+00	4,65E-02	0,000	-4,33E-01	1,17E-01
Hazardous waste for disposal [kg]	1,96E-07	1,99E-07	8,40E-10	0,000	-4,06E-09	1,93E-10
Disposed of non-hazardous waste [kg]	2,65E-01	9,32E-01	2,25E-03	0,000	-6,72E-01	2,22E-03
Disposed of radioactive waste [kg]	1,83E-03	4,69E-03	4,71E-04	0,000	-3,36E-03	3,26E-05

evaluated from CML 2001, August 2016

1.3.52 MIP-M/324

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314164	MIP-M/324	1	4,453	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	7,258	13,101	0,188	0,000	-7,757	1,725
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,13E-11	1,13E-11	6,00E-15	0,000	-1,83E-14	3,90E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,97E-02	3,46E-02	3,68E-04	0,000	-2,41E-02	8,85E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,99E-03	3,48E-03	4,33E-05	0,000	-1,95E-03	1,41E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	6,84E-05	3,42E-03	3,32E-05	0,000	-2,49E-03	-8,93E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,14E-05	1,25E-05	6,29E-08	0,000	-1,28E-06	8,03E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	9,24E+01	1,60E+02	2,16E+00	0,000	-9,28E+01	2,32E+01
Energy (net calorific value) [MJ]	9,84E+01	1,77E+02	3,41E+00	0,000	-1,05E+02	2,33E+01
Energy ren. (net calorific value) [MJ]	2,47E+01	4,36E+01	1,54E+00	0,000	-2,05E+01	1,19E-01
Water consumption [kg]	2,64E+01	6,39E+01	1,51E+00	0,000	-3,92E+01	1,73E-01
Air pollution [m ³]	3,83E+02	1,10E+03	1,22E+01	0,000	-8,30E+02	9,65E+01
Water pollution [m ³]	1,19E+00	1,56E+00	4,92E-02	0,000	-5,53E-01	1,33E-01
Hazardous waste for disposal [kg]	1,98E-07	2,03E-07	8,88E-10	0,000	-5,44E-09	2,19E-10
Disposed of non-hazardous waste [kg]	3,58E-01	1,36E+00	2,38E-03	0,000	-1,00E+00	2,52E-03
Disposed of radioactive waste [kg]	2,37E-03	6,64E-03	4,98E-04	0,000	-4,80E-03	3,71E-05

evaluated from CML 2001, August 2016

1.3.53 MIP-M/356

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314165	MIP-M/356	1	5,809	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	8,499	13,495	0,194	0,000	-7,440	2,250
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,11E-11	3,11E-11	6,19E-15	0,000	-2,62E-14	5,08E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,51E-02	3,95E-02	3,80E-04	0,000	-2,63E-02	1,15E-02
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	4,20E-03	4,44E-03	4,47E-05	0,000	-2,12E-03	1,84E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	-1,40E-05	3,84E-03	3,47E-05	0,000	-2,72E-03	-1,16E-03
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,30E-05	1,42E-05	6,49E-08	0,000	-1,45E-06	1,05E-07
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,11E+02	1,85E+02	2,23E+00	0,000	-1,07E+02	3,03E+01
Energy (net calorific value) [MJ]	1,17E+02	2,04E+02	3,52E+00	0,000	-1,21E+02	3,04E+01
Energy ren. (net calorific value) [MJ]	4,84E+01	7,05E+01	1,59E+00	0,000	-2,38E+01	1,56E-01
Water consumption [kg]	4,27E+01	8,10E+01	1,56E+00	0,000	-4,01E+01	2,26E-01
Air pollution [m ³]	4,70E+02	1,24E+03	1,26E+01	0,000	-9,12E+02	1,26E+02
Water pollution [m ³]	2,03E+00	2,46E+00	5,08E-02	0,000	-6,53E-01	1,73E-01
Hazardous waste for disposal [kg]	5,22E-07	5,28E-07	9,16E-10	0,000	-7,68E-09	2,86E-10
Disposed of non-hazardous waste [kg]	4,64E-01	1,50E+00	2,46E-03	0,000	-1,05E+00	3,28E-03
Disposed of radioactive waste [kg]	2,39E-03	7,57E-03	5,14E-04	0,000	-5,74E-03	4,83E-05

evaluated from CML 2001, August 2016

1.3.54 MIP-M/406

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314166	MIP-M/406	1	8,492	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	11,700	20,284	0,252	0,000	-12,126	3,289
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,11E-11	3,11E-11	8,04E-15	0,000	-3,07E-14	7,43E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	3,42E-02	5,45E-02	4,94E-04	0,000	-3,76E-02	1,69E-02
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	5,51E-03	5,91E-03	5,80E-05	0,000	-3,14E-03	2,69E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	-1,95E-04	5,77E-03	4,40E-05	0,000	-4,31E-03	-1,70E-03
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,48E-05	1,62E-05	8,44E-08	0,000	-1,61E-06	1,53E-07
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,49E+02	2,51E+02	2,89E+00	0,000	-1,48E+02	4,43E+01
Energy (net calorific value) [MJ]	1,57E+02	2,72E+02	4,57E+00	0,000	-1,64E+02	4,45E+01
Energy ren. (net calorific value) [MJ]	5,16E+01	7,65E+01	2,07E+00	0,000	-2,73E+01	2,28E-01
Water consumption [kg]	4,40E+01	9,10E+01	2,02E+00	0,000	-4,94E+01	3,31E-01
Air pollution [m ³]	6,43E+02	1,89E+03	1,63E+01	0,000	-1,45E+03	1,84E+02
Water pollution [m ³]	2,31E+00	2,86E+00	6,60E-02	0,000	-8,68E-01	2,53E-01
Hazardous waste for disposal [kg]	5,26E-07	5,32E-07	1,19E-09	0,000	-7,89E-09	4,17E-10
Disposed of non-hazardous waste [kg]	5,20E-01	1,73E+00	3,19E-03	0,000	-1,22E+00	4,80E-03
Disposed of radioactive waste [kg]	3,07E-03	8,64E-03	6,68E-04	0,000	-6,31E-03	7,07E-05

evaluated from CML 2001, August 2016

1.3.55 MIP-M/457

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314167	MIP-M/457	1	6,345	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	9,928	16,060	0,203	0,000	-8,794	2,458
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,11E-11	3,11E-11	6,48E-15	0,000	-2,97E-14	5,55E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	2,83E-02	4,61E-02	3,98E-04	0,000	-3,09E-02	1,26E-02
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	4,64E-03	5,05E-03	4,67E-05	0,000	-2,46E-03	2,01E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	7,62E-05	4,40E-03	3,79E-05	0,000	-3,09E-03	-1,27E-03
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,64E-05	1,80E-05	6,80E-08	0,000	-1,80E-06	1,14E-07
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,29E+02	2,18E+02	2,33E+00	0,000	-1,24E+02	3,31E+01
Energy (net calorific value) [MJ]	1,36E+02	2,41E+02	3,68E+00	0,000	-1,42E+02	3,32E+01
Energy ren. (net calorific value) [MJ]	5,11E+01	7,84E+01	1,66E+00	0,000	-2,90E+01	1,70E-01
Water consumption [kg]	4,80E+01	9,63E+01	1,63E+00	0,000	-5,02E+01	2,47E-01
Air pollution [m ³]	5,37E+02	1,42E+03	1,33E+01	0,000	-1,03E+03	1,38E+02
Water pollution [m ³]	2,20E+00	2,72E+00	5,31E-02	0,000	-7,62E-01	1,89E-01
Hazardous waste for disposal [kg]	5,25E-07	5,33E-07	9,59E-10	0,000	-9,05E-09	3,12E-10
Disposed of non-hazardous waste [kg]	5,47E-01	1,86E+00	2,57E-03	0,000	-1,32E+00	3,59E-03
Disposed of radioactive waste [kg]	2,91E-03	9,32E-03	5,38E-04	0,000	-7,00E-03	5,28E-05

evaluated from CML 2001, August 2016

1.3.56 MIP-T/89

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314178	MIP-T/89	4	2,975	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	5,591	10,196	0,154	0,000	-5,911	1,152
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,97E-12	8,98E-12	4,90E-15	0,000	-1,56E-14	2,60E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,48E-02	2,83E-02	3,01E-04	0,000	-1,97E-02	5,91E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,21E-03	2,76E-03	3,54E-05	0,000	-1,53E-03	9,41E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,78E-04	2,50E-03	2,75E-05	0,000	-1,75E-03	-5,96E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	9,96E-06	1,12E-05	5,14E-08	0,000	-1,33E-06	5,36E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	7,17E+01	1,30E+02	1,76E+00	0,000	-7,52E+01	1,55E+01
Energy (net calorific value) [MJ]	7,72E+01	1,46E+02	2,79E+00	0,000	-8,76E+01	1,56E+01
Energy ren. (net calorific value) [MJ]	2,10E+01	4,00E+01	1,26E+00	0,000	-2,04E+01	7,98E-02
Water consumption [kg]	2,47E+01	6,22E+01	1,23E+00	0,000	-3,89E+01	1,16E-01
Air pollution [m ³]	2,92E+02	7,92E+02	1,00E+01	0,000	-5,75E+02	6,45E+01
Water pollution [m ³]	9,59E-01	1,30E+00	4,02E-02	0,000	-4,65E-01	8,88E-02
Hazardous waste for disposal [kg]	1,58E-07	1,62E-07	7,26E-10	0,000	-5,48E-09	1,46E-10
Disposed of non-hazardous waste [kg]	3,46E-01	1,38E+00	1,95E-03	0,000	-1,03E+00	1,68E-03
Disposed of radioactive waste [kg]	2,15E-03	6,62E-03	4,07E-04	0,000	-4,90E-03	2,48E-05

evaluated from CML 2001, August 2016

1.3.57 MIP-T/102-108

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314179	MIP-T/102-108	4	3,648	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	6,625	12,207	0,172	0,000	-7,166	1,413
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,98E-12	8,99E-12	5,48E-15	0,000	-1,75E-14	3,19E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,75E-02	3,30E-02	3,36E-04	0,000	-2,31E-02	7,25E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,60E-03	3,21E-03	3,95E-05	0,000	-1,81E-03	1,15E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,70E-04	3,03E-03	3,09E-05	0,000	-2,16E-03	-7,31E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,14E-05	1,27E-05	5,75E-08	0,000	-1,45E-06	6,58E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	8,46E+01	1,51E+02	1,97E+00	0,000	-8,78E+01	1,90E+01
Energy (net calorific value) [MJ]	9,08E+01	1,70E+02	3,12E+00	0,000	-1,01E+02	1,91E+01
Energy ren. (net calorific value) [MJ]	2,23E+01	4,33E+01	1,41E+00	0,000	-2,24E+01	9,78E-02
Water consumption [kg]	2,64E+01	6,82E+01	1,38E+00	0,000	-4,32E+01	1,42E-01
Air pollution [m ³]	3,44E+02	9,65E+02	1,12E+01	0,000	-7,11E+02	7,91E+01
Water pollution [m ³]	1,06E+00	1,45E+00	4,49E-02	0,000	-5,35E-01	1,09E-01
Hazardous waste for disposal [kg]	1,60E-07	1,65E-07	8,11E-10	0,000	-5,88E-09	1,79E-10
Disposed of non-hazardous waste [kg]	3,79E-01	1,51E+00	2,18E-03	0,000	-1,14E+00	2,06E-03
Disposed of radioactive waste [kg]	2,43E-03	7,28E-03	4,55E-04	0,000	-5,33E-03	3,04E-05

evaluated from CML 2001, August 2016

1.3.58 MIP-T/114

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314180	MIP-T/114	3	3,052	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	5,874	10,484	0,131	0,000	-5,924	1,182
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,97E-12	8,99E-12	4,18E-15	0,000	-1,62E-14	2,67E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,53E-02	2,88E-02	2,57E-04	0,000	-1,99E-02	6,07E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,29E-03	2,83E-03	3,02E-05	0,000	-1,54E-03	9,65E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,99E-04	2,56E-03	2,49E-05	0,000	-1,77E-03	-6,12E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,11E-05	1,23E-05	4,39E-08	0,000	-1,35E-06	5,50E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	7,56E+01	1,35E+02	1,51E+00	0,000	-7,63E+01	1,59E+01
Energy (net calorific value) [MJ]	8,11E+01	1,52E+02	2,38E+00	0,000	-8,89E+01	1,60E+01
Energy ren. (net calorific value) [MJ]	2,11E+01	4,06E+01	1,07E+00	0,000	-2,07E+01	8,19E-02
Water consumption [kg]	2,54E+01	6,32E+01	1,05E+00	0,000	-3,90E+01	1,19E-01
Air pollution [m ³]	3,02E+02	8,10E+02	8,61E+00	0,000	-5,84E+02	6,62E+01
Water pollution [m ³]	9,92E-01	1,34E+00	3,43E-02	0,000	-4,73E-01	9,11E-02
Hazardous waste for disposal [kg]	1,59E-07	1,64E-07	6,19E-10	0,000	-5,63E-09	1,50E-10
Disposed of non-hazardous waste [kg]	3,52E-01	1,39E+00	1,66E-03	0,000	-1,04E+00	1,73E-03
Disposed of radioactive waste [kg]	2,14E-03	6,74E-03	3,47E-04	0,000	-4,97E-03	2,54E-05

evaluated from CML 2001, August 2016

1.3.59 MIP-T/133-140

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314182	MIP-T/133-140	3	3,437	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	6,999	12,188	0,134	0,000	-6,653	1,331
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	8,98E-12	9,00E-12	4,26E-15	0,000	-1,89E-14	3,01E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,76E-02	3,30E-02	2,62E-04	0,000	-2,25E-02	6,83E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,63E-03	3,24E-03	3,08E-05	0,000	-1,73E-03	1,09E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,77E-04	2,93E-03	2,72E-05	0,000	-2,00E-03	-6,89E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,43E-05	1,58E-05	4,47E-08	0,000	-1,54E-06	6,20E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	9,04E+01	1,58E+02	1,53E+00	0,000	-8,69E+01	1,79E+01
Energy (net calorific value) [MJ]	9,67E+01	1,78E+02	2,42E+00	0,000	-1,01E+02	1,80E+01
Energy ren. (net calorific value) [MJ]	2,30E+01	4,55E+01	1,10E+00	0,000	-2,37E+01	9,22E-02
Water consumption [kg]	2,93E+01	7,26E+01	1,07E+00	0,000	-4,45E+01	1,34E-01
Air pollution [m ³]	3,51E+02	9,25E+02	8,88E+00	0,000	-6,58E+02	7,45E+01
Water pollution [m ³]	1,13E+00	1,53E+00	3,50E-02	0,000	-5,42E-01	1,03E-01
Hazardous waste for disposal [kg]	1,62E-07	1,68E-07	6,31E-10	0,000	-6,55E-09	1,69E-10
Disposed of non-hazardous waste [kg]	4,03E-01	1,59E+00	1,69E-03	0,000	-1,19E+00	1,94E-03
Disposed of radioactive waste [kg]	2,48E-03	7,81E-03	3,54E-04	0,000	-5,71E-03	2,86E-05

evaluated from CML 2001, August 2016

1.3.60 MIP-T/159-160

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314183	MIP-T/159-160	2	2,775	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	5,477	8,945	0,092	0,000	-4,635	1,075
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,12E-11	1,12E-11	2,94E-15	0,000	-1,59E-14	2,43E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,41E-02	2,51E-02	1,80E-04	0,000	-1,67E-02	5,51E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,21E-03	2,59E-03	2,12E-05	0,000	-1,28E-03	8,77E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,07E-04	2,21E-03	1,96E-05	0,000	-1,47E-03	-5,56E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,15E-05	1,26E-05	3,09E-08	0,000	-1,18E-06	5,00E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	7,15E+01	1,22E+02	1,06E+00	0,000	-6,62E+01	1,45E+01
Energy (net calorific value) [MJ]	7,61E+01	1,37E+02	1,67E+00	0,000	-7,74E+01	1,45E+01
Energy ren. (net calorific value) [MJ]	2,24E+01	3,99E+01	7,55E-01	0,000	-1,82E+01	7,44E-02
Water consumption [kg]	2,58E+01	5,77E+01	7,39E-01	0,000	-3,27E+01	1,08E-01
Air pollution [m ³]	2,78E+02	6,97E+02	6,18E+00	0,000	-4,85E+02	6,01E+01
Water pollution [m ³]	1,04E+00	1,35E+00	2,41E-02	0,000	-4,18E-01	8,28E-02
Hazardous waste for disposal [kg]	1,95E-07	1,99E-07	4,35E-10	0,000	-5,43E-09	1,36E-10
Disposed of non-hazardous waste [kg]	3,23E-01	1,20E+00	1,17E-03	0,000	-8,83E-01	1,57E-03
Disposed of radioactive waste [kg]	1,82E-03	6,00E-03	2,44E-04	0,000	-4,44E-03	2,31E-05

evaluated from CML 2001, August 2016

1.3.61 MIP-T/165-168

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314184	MIP-T/165-168	2	2,891	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	5,911	9,885	0,094	0,000	-5,188	1,120
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,12E-11	1,12E-11	3,00E-15	0,000	-1,73E-14	2,53E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	1,51E-02	2,79E-02	1,84E-04	0,000	-1,87E-02	5,75E-03
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	2,33E-03	2,81E-03	2,16E-05	0,000	-1,42E-03	9,14E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,48E-04	2,39E-03	2,04E-05	0,000	-1,59E-03	-5,80E-04
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	1,25E-05	1,38E-05	3,15E-08	0,000	-1,36E-06	5,21E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	7,71E+01	1,34E+02	1,08E+00	0,000	-7,33E+01	1,51E+01
Energy (net calorific value) [MJ]	8,23E+01	1,52E+02	1,70E+00	0,000	-8,61E+01	1,51E+01
Energy ren. (net calorific value) [MJ]	2,36E+01	4,37E+01	7,70E-01	0,000	-2,09E+01	7,75E-02
Water consumption [kg]	2,80E+01	6,52E+01	7,54E-01	0,000	-3,81E+01	1,13E-01
Air pollution [m ³]	2,99E+02	7,51E+02	6,32E+00	0,000	-5,21E+02	6,27E+01
Water pollution [m ³]	1,09E+00	1,44E+00	2,46E-02	0,000	-4,64E-01	8,63E-02
Hazardous waste for disposal [kg]	1,96E-07	2,01E-07	4,44E-10	0,000	-6,09E-09	1,42E-10
Disposed of non-hazardous waste [kg]	3,64E-01	1,39E+00	1,19E-03	0,000	-1,03E+00	1,63E-03
Disposed of radioactive waste [kg]	2,05E-03	6,87E-03	2,49E-04	0,000	-5,09E-03	2,41E-05

evaluated from CML 2001, August 2016

1.3.62 MIP-T/216-219

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
314185	MIP-T/216-219	2	8,824	Steel, Aluminum, Polymer, Cardboard

Environmental impact category	Total	Raw material	Production	Use	End of life	Transportation
Global Warming Potential (GWP 100 years) [kg CO ₂ -eq.]	14,863	23,813	0,360	0,000	-12,729	3,418
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	3,11E-11	3,11E-11	1,15E-14	0,000	-3,93E-14	7,72E-16
Acidification Potential (AP) [kg SO ₂ -eq.]	3,95E-02	6,38E-02	7,05E-04	0,000	-4,25E-02	1,75E-02
Eutrication Potential (EP) [kg (PO ₄) ³⁻ - eq.]	6,28E-03	6,82E-03	8,29E-05	0,000	-3,41E-03	2,79E-03
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	2,27E-04	6,39E-03	6,70E-05	0,000	-4,46E-03	-1,77E-03
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	2,77E-05	2,96E-05	1,20E-07	0,000	-2,27E-06	1,59E-07
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,92E+02	3,12E+02	4,13E+00	0,000	-1,70E+02	4,60E+01
Energy (net calorific value) [MJ]	2,04E+02	3,43E+02	6,53E+00	0,000	-1,93E+02	4,62E+01
Energy ren. (net calorific value) [MJ]	5,84E+01	9,23E+01	2,95E+00	0,000	-3,71E+01	2,37E-01
Water consumption [kg]	6,06E+01	1,23E+02	2,89E+00	0,000	-6,55E+01	3,44E-01
Air pollution [m ³]	7,75E+02	2,05E+03	2,36E+01	0,000	-1,49E+03	1,91E+02
Water pollution [m ³]	2,77E+00	3,45E+00	9,42E-02	0,000	-1,03E+00	2,63E-01
Hazardous waste for disposal [kg]	5,38E-07	5,47E-07	1,70E-09	0,000	-1,14E-08	4,34E-10
Disposed of non-hazardous waste [kg]	6,93E-01	2,38E+00	4,56E-03	0,000	-1,69E+00	4,99E-03
Disposed of radioactive waste [kg]	4,40E-03	1,22E-02	9,53E-04	0,000	-8,86E-03	7,34E-05

evaluated from CML 2001, August 2016