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# Environmental report

## „FS-ONE MAX“

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# 1 Life Cycle Assessment „HILTI FS-ONE MAX“

## 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
2101531	FS One Max 10.1 OZ Cartridge	1	0,49	Chemical component, Polymer
2101532	FS One Max 20.0 OZ foil	1	0,80	Chemical component, Polymer, Aluminium
2101533	FS-One Max 5Gal Pail	1	26,50	Chemical component, Polymer
2101534	FS One Max 10.1 OZ Cartridge	1	0,49	Chemical component, Polymer
2101535	FS One Max 20.0 OZ foil	1	0,80	Chemical component, Polymer, Aluminium
2101536	FS-One Max 5Gal Pail	1	26,50	Chemical component, Polymer
2052899	CFS-FIL Cartridge	1	0,49	Chemical component, Polymer
2245696	CFS-FIL Cartridge blue	1	0,49	Chemical component, Polymer

## 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 (FS-ONE MAX), which considers the entire life cycle of the product (cradle to grave). The accounting data come from the source: Sphera LCA for Experts, and are evaluated from IPCC 2001, August 2016.

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

- Raw material acquisition,
- Transport to production,
- Production,
- Transport to consumer,
- Use,
- End of life.

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

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 transport to production reflects the 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).

Each material is assigned component specific to one or more manufacturing processes to describe the production process as precisely as possible. In production, the following substances are consumed or emitted (waste is emitted) for one kg of the weight of the product.

**Table 1.2: Production data**

Type	Quantity	Unit
El. Energy	187,99	Wh
Th. Energy	66,98	Wh
Water	0,024	l
Aceton	0,0002	l
Spiritus	0,0001	l
Inert waste	0,0116	kg
Waste for recycling	0,0086	kg
Waste for disposal	0,0007	kg

The transport to consumer 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 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 chemical substances are completely deposited. The respective credits results from the energy recovery of the paper and polymers. The metal is completely recycled.

## 1.3 Life Cycle Assessment

### 1.3.1 FS One Max 10.1 OZ Cartridge

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2101531	FS One Max 10.1 OZ Cartridge	1	0,49	Chemical component, Polymer

Environmental impact category	Total	Raw material acquisition	Transport to production	Production	Transport to consumer	Use	End of life
Global Warming Potential (GWP 100 years) [kg CO <sub>2</sub> -eq.]	1,186	0,705	0,150	0,077	0,086	0,000	0,168
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,13E-10	1,13E-10	1,88E-14	1,28E-12	1,16E-14	0,000	-8,91E-13
Acidification Potential (AP) [kg SO <sub>2</sub> -eq.]	3,58E-03	2,33E-03	1,00E-03	1,29E-04	1,96E-04	0,000	-7,00E-05
Eutrofication Potential (EP) [kg (PO <sub>4</sub> ) <sup>3-</sup> - eq.]	4,67E-04	2,75E-04	1,41E-04	1,53E-05	4,66E-05	0,000	-9,70E-06
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	7,18E-05	1,98E-04	-5,96E-05	9,22E-06	-6,88E-05	0,000	-7,16E-06
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	5,04E-06	5,03E-06	1,97E-09	1,37E-08	1,18E-09	0,000	-6,99E-09
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	2,13E+01	1,90E+01	2,05E+00	7,54E-01	1,20E+00	0,000	-1,63E+00
Energy (net calorific value) [MJ]	2,24E+01	1,99E+01	2,06E+00	1,31E+00	1,21E+00	0,000	-2,02E+00
Energy ren. (net calorific value) [MJ]	1,63E+00	1,39E+00	1,26E-02	7,38E-01	7,76E-03	0,000	-5,15E-01
Water consumption [kg]	4,67E+00	3,81E+00	1,48E-02	6,42E-01	9,02E-03	0,000	1,88E-01
Air pollution [m <sup>3</sup> ]	6,98E+01	5,44E+01	1,04E+01	4,70E+00	4,12E+00	0,000	-3,82E+00
Water pollution [m <sup>3</sup> ]	2,65E-01	2,42E-01	1,19E-02	1,88E-02	7,05E-03	0,000	-1,51E-02
Hazardous waste for disposal [kg]	2,29E-08	2,31E-08	4,21E-12	-8,47E-11	2,22E-12	0,000	-1,47E-10
Disposed of non-hazardous waste [kg]	4,78E-01	7,16E-02	2,02E-04	2,35E-03	1,20E-04	0,000	4,04E-01
Disposed of radioactive waste [kg]	3,82E-04	3,21E-04	3,27E-06	1,96E-04	2,01E-06	0,000	-1,39E-04

evaluated from CML 2001, August 2016

### 1.3.2 FS One Max 20.0 OZ foil

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2101532	FS One Max 20.0 OZ foil	1	0,80	Chemical component, Polymer, Aluminium

Environmental impact category	Total	Raw material acquisition	Transport to production	Production	Transport to consumer	Use	End of life
Global Warming Potential (GWP 100 years) [kg CO <sub>2</sub> -eq.]	1,592	1,144	0,245	0,086	0,141	0,000	-0,024
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	2,24E-10	2,22E-10	3,07E-14	1,07E-12	1,90E-14	0,000	3,77E-13
Acidification Potential (AP) [kg SO <sub>2</sub> -eq.]	6,41E-03	4,40E-03	1,63E-03	1,12E-04	3,20E-04	0,000	-5,55E-05
Eutrophication Potential (EP) [kg (PO <sub>4</sub> ) <sup>3-</sup> -eq.]	8,15E-04	4,96E-04	2,30E-04	1,41E-05	7,60E-05	0,000	-7,70E-07
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,06E-04	3,09E-04	-9,73E-05	8,11E-06	-1,12E-04	0,000	-1,91E-06
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	9,93E-06	9,92E-06	3,22E-09	1,39E-08	1,93E-09	0,000	-6,08E-09
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	3,15E+01	2,57E+01	3,34E+00	7,24E-01	1,96E+00	0,000	-2,14E-01
Energy (net calorific value) [MJ]	3,37E+01	2,74E+01	3,36E+00	1,16E+00	1,97E+00	0,000	-1,93E-01
Energy ren. (net calorific value) [MJ]	3,38E+00	2,72E+00	2,05E-02	6,07E-01	1,27E-02	0,000	2,15E-02
Water consumption [kg]	7,40E+00	7,05E+00	2,42E-02	5,62E-01	1,47E-02	0,000	-2,54E-01
Air pollution [m <sup>3</sup> ]	1,18E+02	9,08E+01	1,69E+01	4,06E+00	6,72E+00	0,000	-3,33E-01
Water pollution [m <sup>3</sup> ]	4,64E-01	4,12E-01	1,94E-02	1,65E-02	1,15E-02	0,000	3,76E-03
Hazardous waste for disposal [kg]	4,48E-08	4,49E-08	6,88E-12	-3,72E-11	3,62E-12	0,000	-5,70E-11
Disposed of non-hazardous waste [kg]	9,44E-01	1,56E-01	3,30E-04	3,91E-03	1,96E-04	0,000	7,84E-01
Disposed of radioactive waste [kg]	7,83E-04	6,13E-04	5,33E-06	1,54E-04	3,28E-06	0,000	7,58E-06

evaluated from CML 2001, August 2016

### 1.3.3 FS-One Max 5Gal Pail

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2101533	FS-One Max 5Gal Pail	1	26,50	Chemical component, Polymer

Environmental impact category	Total	Raw material acquisition	Transport to production	Production	Transport to consumer	Use	End of life
Global Warming Potential (GWP 100 years) [kg CO <sub>2</sub> -eq.]	56,119	36,715	8,100	3,169	4,648	0,000	3,487
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	7,02E-09	6,98E-09	1,01E-12	4,38E-11	6,27E-13	0,000	-5,32E-12
Acidification Potential (AP) [kg SO <sub>2</sub> -eq.]	2,05E-01	1,34E-01	5,39E-02	4,60E-03	1,06E-02	0,000	1,24E-03
Eutrophication Potential (EP) [kg (PO <sub>4</sub> ) <sup>3-</sup> -eq.]	2,64E-02	1,56E-02	7,57E-03	5,53E-04	2,51E-03	0,000	1,14E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	3,57E-03	1,01E-02	-3,21E-03	3,30E-04	-3,71E-03	0,000	5,65E-05
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	3,12E-04	3,11E-04	1,06E-07	4,98E-07	6,37E-08	0,000	5,36E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,08E+03	8,92E+02	1,10E+02	2,79E+01	6,47E+01	0,000	-1,91E+01
Energy (net calorific value) [MJ]	1,15E+03	9,44E+02	1,11E+02	4,68E+01	6,50E+01	0,000	-2,17E+01
Energy ren. (net calorific value) [MJ]	1,01E+02	7,79E+01	6,76E-01	2,53E+01	4,18E-01	0,000	-2,95E+00
Water consumption [kg]	2,39E+02	2,06E+02	7,98E-01	2,33E+01	4,86E-01	0,000	8,22E+00
Air pollution [m <sup>3</sup> ]	3,85E+03	2,90E+03	5,59E+02	1,67E+02	2,22E+02	0,000	-3,17E+00
Water pollution [m <sup>3</sup> ]	1,50E+01	1,34E+01	6,40E-01	6,60E-01	3,80E-01	0,000	-8,05E-02
Hazardous waste for disposal [kg]	1,41E-06	1,41E-06	2,27E-10	-2,57E-09	1,20E-10	0,000	-3,06E-09
Disposed of non-hazardous waste [kg]	2,95E+01	4,37E+00	1,09E-02	1,21E-01	6,47E-03	0,000	2,50E+01
Disposed of radioactive waste [kg]	2,45E-02	1,84E-02	1,76E-04	6,72E-03	1,08E-04	0,000	-9,40E-04

evaluated from CML 2001, August 2016



### 1.3.4 FS One Max 10.1 OZ Cartridge

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2101534	FS One Max 10.1 OZ Cartridge	1	0,49	Chemical component, Polymer

Environmental impact category	Total	Raw material acquisition	Transport to production	Production	Transport to consumer	Use	End of life
Global Warming Potential (GWP 100 years) [kg CO <sub>2</sub> -eq.]	1,186	0,705	0,150	0,077	0,086	0,000	0,168
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,13E-10	1,13E-10	1,88E-14	1,28E-12	1,16E-14	0,000	-8,91E-13
Acidification Potential (AP) [kg SO <sub>2</sub> -eq.]	3,58E-03	2,33E-03	1,00E-03	1,29E-04	1,96E-04	0,000	-7,00E-05
Eutrophication Potential (EP) [kg (PO <sub>4</sub> ) <sup>3-</sup> -eq.]	4,67E-04	2,75E-04	1,41E-04	1,53E-05	4,66E-05	0,000	-9,70E-06
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	7,18E-05	1,98E-04	-5,96E-05	9,22E-06	-6,88E-05	0,000	-7,16E-06
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	5,04E-06	5,03E-06	1,97E-09	1,37E-08	1,18E-09	0,000	-6,99E-09
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	2,13E+01	1,90E+01	2,05E+00	7,54E-01	1,20E+00	0,000	-1,63E+00
Energy (net calorific value) [MJ]	2,24E+01	1,99E+01	2,06E+00	1,31E+00	1,21E+00	0,000	-2,02E+00
Energy ren. (net calorific value) [MJ]	1,63E+00	1,39E+00	1,26E-02	7,38E-01	7,76E-03	0,000	-5,15E-01
Water consumption [kg]	4,67E+00	3,81E+00	1,48E-02	6,42E-01	9,02E-03	0,000	1,88E-01
Air pollution [m <sup>3</sup> ]	6,98E+01	5,44E+01	1,04E+01	4,70E+00	4,12E+00	0,000	-3,82E+00
Water pollution [m <sup>3</sup> ]	2,65E-01	2,42E-01	1,19E-02	1,88E-02	7,05E-03	0,000	-1,51E-02
Hazardous waste for disposal [kg]	2,29E-08	2,31E-08	4,21E-12	-8,47E-11	2,22E-12	0,000	-1,47E-10
Disposed of non-hazardous waste [kg]	4,78E-01	7,16E-02	2,02E-04	2,35E-03	1,20E-04	0,000	4,04E-01
Disposed of radioactive waste [kg]	3,82E-04	3,21E-04	3,27E-06	1,96E-04	2,01E-06	0,000	-1,39E-04

evaluated from CML 2001, August 2016

### 1.3.5 FS One Max 20.0 OZ foil

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2101535	FS One Max 20.0 OZ foil	1	0,80	Chemical component, Polymer, Aluminium

Environmental impact category	Total	Raw material acquisition	Transport to production	Production	Transport to consumer	Use	End of life
Global Warming Potential (GWP 100 years) [kg CO <sub>2</sub> -eq.]	1,592	1,144	0,245	0,086	0,141	0,000	-0,024
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	2,24E-10	2,22E-10	3,07E-14	1,07E-12	1,90E-14	0,000	3,77E-13
Acidification Potential (AP) [kg SO <sub>2</sub> -eq.]	6,41E-03	4,40E-03	1,63E-03	1,12E-04	3,20E-04	0,000	-5,55E-05
Eutrophication Potential (EP) [kg (PO <sub>4</sub> ) <sup>3-</sup> -eq.]	8,15E-04	4,96E-04	2,30E-04	1,41E-05	7,60E-05	0,000	-7,70E-07
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	1,06E-04	3,09E-04	-9,73E-05	8,11E-06	-1,12E-04	0,000	-1,91E-06
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	9,93E-06	9,92E-06	3,22E-09	1,39E-08	1,93E-09	0,000	-6,08E-09
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	3,15E+01	2,57E+01	3,34E+00	7,24E-01	1,96E+00	0,000	-2,14E-01
Energy (net calorific value) [MJ]	3,37E+01	2,74E+01	3,36E+00	1,16E+00	1,97E+00	0,000	-1,93E-01
Energy ren. (net calorific value) [MJ]	3,38E+00	2,72E+00	2,05E-02	6,07E-01	1,27E-02	0,000	2,15E-02
Water consumption [kg]	7,40E+00	7,05E+00	2,42E-02	5,62E-01	1,47E-02	0,000	-2,54E-01
Air pollution [m <sup>3</sup> ]	1,18E+02	9,08E+01	1,69E+01	4,06E+00	6,72E+00	0,000	-3,33E-01
Water pollution [m <sup>3</sup> ]	4,64E-01	4,12E-01	1,94E-02	1,65E-02	1,15E-02	0,000	3,76E-03
Hazardous waste for disposal [kg]	4,48E-08	4,49E-08	6,88E-12	-3,72E-11	3,62E-12	0,000	-5,70E-11
Disposed of non-hazardous waste [kg]	9,44E-01	1,56E-01	3,30E-04	3,91E-03	1,96E-04	0,000	7,84E-01
Disposed of radioactive waste [kg]	7,83E-04	6,13E-04	5,33E-06	1,54E-04	3,28E-06	0,000	7,58E-06

evaluated from CML 2001, August 2016

### 1.3.6 FS-One Max 5Gal Pail

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2101536	FS-One Max 5Gal Pail	1	26,50	Chemical component, Polymer

Environmental impact category	Total	Raw material acquisition	Transport to production	Production	Transport to consumer	Use	End of life
Global Warming Potential (GWP 100 years) [kg CO <sub>2</sub> -eq.]	56,119	36,715	8,100	3,169	4,648	0,000	3,487
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	7,02E-09	6,98E-09	1,01E-12	4,38E-11	6,27E-13	0,000	-5,32E-12
Acidification Potential (AP) [kg SO <sub>2</sub> -eq.]	2,05E-01	1,34E-01	5,39E-02	4,60E-03	1,06E-02	0,000	1,24E-03
Eutrophication Potential (EP) [kg (PO <sub>4</sub> ) <sup>3-</sup> -eq.]	2,64E-02	1,56E-02	7,57E-03	5,53E-04	2,51E-03	0,000	1,14E-04
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	3,57E-03	1,01E-02	-3,21E-03	3,30E-04	-3,71E-03	0,000	5,65E-05
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	3,12E-04	3,11E-04	1,06E-07	4,98E-07	6,37E-08	0,000	5,36E-08
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	1,08E+03	8,92E+02	1,10E+02	2,79E+01	6,47E+01	0,000	-1,91E+01
Energy (net calorific value) [MJ]	1,15E+03	9,44E+02	1,11E+02	4,68E+01	6,50E+01	0,000	-2,17E+01
Energy ren. (net calorific value) [MJ]	1,01E+02	7,79E+01	6,76E-01	2,53E+01	4,18E-01	0,000	-2,95E+00
Water consumption [kg]	2,39E+02	2,06E+02	7,98E-01	2,33E+01	4,86E-01	0,000	8,22E+00
Air pollution [m <sup>3</sup> ]	3,85E+03	2,90E+03	5,59E+02	1,67E+02	2,22E+02	0,000	-3,17E+00
Water pollution [m <sup>3</sup> ]	1,50E+01	1,34E+01	6,40E-01	6,60E-01	3,80E-01	0,000	-8,05E-02
Hazardous waste for disposal [kg]	1,41E-06	1,41E-06	2,27E-10	-2,57E-09	1,20E-10	0,000	-3,06E-09
Disposed of non-hazardous waste [kg]	2,95E+01	4,37E+00	1,09E-02	1,21E-01	6,47E-03	0,000	2,50E+01
Disposed of radioactive waste [kg]	2,45E-02	1,84E-02	1,76E-04	6,72E-03	1,08E-04	0,000	-9,40E-04

evaluated from CML 2001, August 2016

### 1.3.7 CFS-FIL Cartridge

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2052899	CFS-FIL Cartridge	1	0,49	Chemical component, Polymer

Environmental impact category	Total	Raw material acquisition	Transport to production	Production	Transport to consumer	Use	End of life
Global Warming Potential (GWP 100 years) [kg CO <sub>2</sub> -eq.]	1,186	0,705	0,150	0,077	0,086	0,000	0,168
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,13E-10	1,13E-10	1,88E-14	1,28E-12	1,16E-14	0,000	-8,91E-13
Acidification Potential (AP) [kg SO <sub>2</sub> -eq.]	3,58E-03	2,33E-03	1,00E-03	1,29E-04	1,96E-04	0,000	-7,00E-05
Eutrophication Potential (EP) [kg (PO <sub>4</sub> ) <sup>3-</sup> - eq.]	4,67E-04	2,75E-04	1,41E-04	1,53E-05	4,66E-05	0,000	-9,70E-06
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	7,18E-05	1,98E-04	-5,96E-05	9,22E-06	-6,88E-05	0,000	-7,16E-06
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	5,04E-06	5,03E-06	1,97E-09	1,37E-08	1,18E-09	0,000	-6,99E-09
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	2,13E+01	1,90E+01	2,05E+00	7,54E-01	1,20E+00	0,000	-1,63E+00
Energy (net calorific value) [MJ]	2,24E+01	1,99E+01	2,06E+00	1,31E+00	1,21E+00	0,000	-2,02E+00
Energy ren. (net calorific value) [MJ]	1,63E+00	1,39E+00	1,26E-02	7,38E-01	7,76E-03	0,000	-5,15E-01
Water consumption [kg]	4,67E+00	3,81E+00	1,48E-02	6,42E-01	9,02E-03	0,000	1,88E-01
Air pollution [m <sup>3</sup> ]	6,98E+01	5,44E+01	1,04E+01	4,70E+00	4,12E+00	0,000	-3,82E+00
Water pollution [m <sup>3</sup> ]	2,65E-01	2,42E-01	1,19E-02	1,88E-02	7,05E-03	0,000	-1,51E-02
Hazardous waste for disposal [kg]	2,29E-08	2,31E-08	4,21E-12	-8,47E-11	2,22E-12	0,000	-1,47E-10
Disposed of non-hazardous waste [kg]	4,78E-01	7,16E-02	2,02E-04	2,35E-03	1,20E-04	0,000	4,04E-01
Disposed of radioactive waste [kg]	3,82E-04	3,21E-04	3,27E-06	1,96E-04	2,01E-06	0,000	-1,39E-04

evaluated from CML 2001, August 2016

### 1.3.8 CFS-FIL Cartridge blue

IT- Number	Product name	Pcs. per Sales pack	Weight [kg]	Material
2245696	CFS-FIL Cartridge blue	1	0,49	Chemical component, Polymer

Environmental impact category	Total	Raw material acquisition	Transport to production	Production	Transport to consumer	Use	End of life
Global Warming Potential (GWP 100 years) [kg CO <sub>2</sub> -eq.]	1,186	0,705	0,150	0,077	0,086	0,000	0,168
Ozone Depletion Potential (ODP, catalytic) [kg R11-eq.]	1,13E-10	1,13E-10	1,88E-14	1,28E-12	1,16E-14	0,000	-8,91E-13
Acidification Potential (AP) [kg SO <sub>2</sub> -eq.]	3,58E-03	2,33E-03	1,00E-03	1,29E-04	1,96E-04	0,000	-7,00E-05
Eutrophication Potential (EP) [kg (PO <sub>4</sub> ) <sup>3-</sup> -eq.]	4,67E-04	2,75E-04	1,41E-04	1,53E-05	4,66E-05	0,000	-9,70E-06
Photochemical Oxidant Potential (POCP) [kg Ethene-eq.]	7,18E-05	1,98E-04	-5,96E-05	9,22E-06	-6,88E-05	0,000	-7,16E-06
Abiotic Depletion Potential non-Fossil Resources (ADPE) [kg Sb-eq.]	5,04E-06	5,03E-06	1,97E-09	1,37E-08	1,18E-09	0,000	-6,99E-09
Abiotic Depletion Potential Fossil Fuels (ADPF) [MJ]	2,13E+01	1,90E+01	2,05E+00	7,54E-01	1,20E+00	0,000	-1,63E+00
Energy (net calorific value) [MJ]	2,24E+01	1,99E+01	2,06E+00	1,31E+00	1,21E+00	0,000	-2,02E+00
Energy ren. (net calorific value) [MJ]	1,63E+00	1,39E+00	1,26E-02	7,38E-01	7,76E-03	0,000	-5,15E-01
Water consumption [kg]	4,67E+00	3,81E+00	1,48E-02	6,42E-01	9,02E-03	0,000	1,88E-01
Air pollution [m <sup>3</sup> ]	6,98E+01	5,44E+01	1,04E+01	4,70E+00	4,12E+00	0,000	-3,82E+00
Water pollution [m <sup>3</sup> ]	2,65E-01	2,42E-01	1,19E-02	1,88E-02	7,05E-03	0,000	-1,51E-02
Hazardous waste for disposal [kg]	2,29E-08	2,31E-08	4,21E-12	-8,47E-11	2,22E-12	0,000	-1,47E-10
Disposed of non-hazardous waste [kg]	4,78E-01	7,16E-02	2,02E-04	2,35E-03	1,20E-04	0,000	4,04E-01
Disposed of radioactive waste [kg]	3,82E-04	3,21E-04	3,27E-06	1,96E-04	2,01E-06	0,000	-1,39E-04

evaluated from CML 2001, August 2016