

{SimaPro 6.0}
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 {Date: 13/12/2005}
 {Time: 15:26:31}
 {Project: ECOBOAT}

Title: **Analyzing 1 p assembly 'BioDiesel Battery'**
 Method: Eco-indicator 99 (E) V2.1 / Europe EI 99 E/E
 Value: Normalization
 Per impact category: Yes
 Skip unused: Never
 Relative mode: Non

Impact category	Unit	Total	Steel ETH S	Lead ETH S	ulphuric acid B25	Copper ETH S	Glass (virgin)	PC ETH S	Cast iron ETH S	ikyd varnish ETH	Truck 28t ETH S
Carcinogens		0.00535	0.000845	0.00418	1.54E-05	6.59E-05	8.26E-07	6.05E-05	0.000184	-1.70E-19	1.96E-06
Respiratory organics		0.000276	4.41E-06	1.29E-06	5.29E-07	3.91E-07	1.64E-07	8.88E-06	2.01E-06	0.000258	1.54E-07
Respiratory inorganics		0.00784	0.00165	0.000843	0.00292	0.000437	4.11E-05	0.00112	0.0008	9.71E-20	3.34E-05
Climate change		0.00219	0.00103	0.000234	3.70E-05	5.94E-05	1.32E-05	0.000525	0.000291	8.12E-20	6.08E-06
Radiation		5.42E-05	2.90E-05	9.35E-06	x	4.04E-06	x	7.45E-06	4.34E-06	1.71E-21	9.49E-08
Ozone layer		6.93E-06	1.27E-06	4.72E-07	1.55E-07	1.90E-07	3.89E-08	3.98E-06	7.89E-07	2.17E-22	4.42E-08
Ecotoxicity		0.0161	0.00143	0.0141	3.73E-05	8.73E-05	2.87E-05	0.000154	0.00026	-6.73E-19	8.35E-06
Acidification/ Eutrophication		0.000652	0.000158	9.24E-05	0.000196	2.93E-05	2.87E-06	0.000105	6.44E-05	9.30E-21	4.73E-06
Land use		0.000345	0.000183	5.51E-05	x	2.12E-05	x	4.51E-05	3.47E-05	1.14E-20	6.02E-06
Minerals		0.0147	0.000433	0.00928	x	0.00493	5.33E-11	1.34E-05	7.64E-05	-7.56E-19	1.24E-06
Fossil fuels		0.0324	0.0131	0.00282	0.000504	0.000735	0.000142	0.0113	0.0037	1.23E-18	8.57E-05

{SimaPro 6.0}
 {Process contribution}
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Product: **Steel ETH S**
 Project: ETH-ESU 96 System processes
 Category: Material\Metals\Ferro
 Method: Eco-indicator 99 (E) V2.1 / Europe EI 99 E/E
 Indicator: Single score
 Cut-off: 0%

Process	DQI	Unit	Total	Steel ETH S	Lead ETH S	ulphuric acid B25	Copper ETH S	Glass (virgin)	PC ETH S	Cast iron ETH S	ikyd varnish ETH	Truck 28t ETH S
Total of all processes		Pt	22.7	4.66	11.1	1.11	1.37	0.0608	2.93	1.32	0.0773	0.0395
Lead ETH S	-	Pt	11.1	x	11.1	x	x	x	x	x	-6.16E-16	x
Steel ETH S	-	Pt	4.66	4.66	6.50E-17	x	x	x	x	x	3.47E-16	x
PC ETH S	-	Pt	2.93	x	x	x	x	x	2.93	x	1.16E-16	x
Copper ETH S	-	Pt	1.37	x	x	x	1.37	x	x	x	-7.62E-17	x
Cast iron ETH S	-	Pt	1.32	x	x	x	x	x	x	1.32	-1.76E-32	x
Sulphur B250	-	Pt	0.69	x	x	0.69	x	x	x	x	x	x
Sulphuric acid B250	-	Pt	0.222	x	x	0.222	x	x	x	x	x	x
Heat oil (S												
Glass (white) B250	--	Pt	0.115	x	x	x	x	0.115	x	x	x	x
Alkyd varnish ETH S	--	Pt	0.0773	x	x	x	x	x	x	x	0.0773	x
Truck 28t ETH S	--	Pt	0.0395	x	-2.70E-18	x	x	x	x	x	1.07E-18	0.0395
Glass (green) B250	--	Pt	-0.0544	x	x	x	x	-0.0544	x	x	x	x
Glass (virgin)		Pt	0	x	x	x	x	0	x	x	x	x