Emission factors in kg CO2-equivalent per unit

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	Categories		Label	T	Default	value
Category 1	Category 2	Category 3	Title	Unit	Emission factor (kg CO2eq per unit)	Uncertainty
Conversion	Gas	GWP	GWP CH4	kg	25.00	0%
Conversion	Gas	GWP	GWP N2O	kg	298.00	0%
Energy	Electricity	Country	Canada	kWh	0.19	10%
Energy	Heat Heat	Combustible	Black coal Brown coal	kWh kWh	0.32 0.40	10%
Energy Energy	Heat	Combustible Combustible	Brown coal briquette	kWh	0.40	10%
Energy	Heat	Combustible	Brown coal coke	kWh	0.50	10%
Energy	Heat	Combustible	CNG	kWh	0.18	
Energy	Heat	Combustible	Coal coke	kWh	0.39	10%
Energy	Heat	Combustible	Crude oil	kWh	0.27	5%
Energy	Heat	Combustible	Diesel (kWh)	kWh	0.30	5%
Energy	Heat	Combustible	Diesel (liter)	liter	2.79	5%
Energy	Heat	Combustible	Ethane	kWh	0.20	
Energy	Heat	Combustible	Fuel oil (kWh)	kWh	0.29	5%
Energy	Heat Heat	Combustible Combustible	Fuel oil (liter) Gas flared	liter	3.19 3.53	5%
Energy Energy	Heat	Combustible	Kerosene	kg kWh	0.27	5%
Energy	Heat	Combustible	LNG (kWh)	kWh	0.21	5%
Energy	Heat	Combustible	LPG (liter)	liter	1.69	10%
Energy	Heat	Combustible	Natural gas	kWh	0.21	5%
Energy	Heat	Combustible	Petroleum coke	kWh	0.35	10%
Energy	Heat	Combustible	UNG	kWh	0.18	
Energy	Heat	Organic combustible	Biodiesel (kWh)	kWh	0.01	
Energy	Heat	Organic combustible	Biodiesel (liter)	liter	0.81	
Energy	Heat	Organic combustible	Bioethanol	kg	1.21	10%
Energy	Heat	Organic combustible	Biogas (kg)	kg	1.61	
Energy	Heat	Organic combustible	Biogas (kWh)	kWh	0.02	
Energy	Heat	Organic combustible	Biogas (m3)	m3	0.12	
Energy	Heat	Organic combustible	Biomass (kg)	kg	0.11	10%
Energy	Heat	Organic combustible	Biomass (kWh)	kWh	0.03	10%
Energy	Heat	Organic combustible	Methanol	kg	0.30	
Energy	Heat Heat	Organic combustible Steam	Petrol, 85% ethanol Steam	kg	1.16 0.61	0%
Energy Material	Building	Insulation	Glasswool	kg kg	1.35	0%
Material	Building	Insulation	Insulation	kg	1.86	
Material	Building	Insulation	Mineral wool	kg	1.20	
Material	Building	Insulation	Wool	kg	0.15	
Material	Building	Insulation	Wool r.	kg	3.17	
Material	Construction material	Cement	Cement	kg	0.89	20%
Material	Construction material	Concrete	Concrete (kg)	kg	0.15	20%
Material	Construction material	Concrete	Concrete (m3)	m3	263.00	
Material	Construction material	Concrete	Reinforced concrete	kg	0.36	20%
Material	Construction material	Fibre	Fibreglass	kg	2.60	20%
Material	Construction material	Gravel	Gravel	ton	4.32	
Material	Construction material		Lime	kg	0.74	
Material		Other	Anthracite	kg	0.53	10%
Material Material	Construction material Construction material	Other	Other Sand	kg	3.00 0.01	80%
Material Material	Iron metal	Sand Iron	Sand Cast iron	kg kg	1.51	
Material	Iron metal	Iron	Iron	kg	1.91	
Material	Iron metal	Steel	Reinforced steel	kg	1.49	
Material	Iron metal	Steel	Stainless steel	kg	6.15	
Material	Iron metal	Steel	Steel	kg	1.77	
Material	Iron metal	Steel	Steel r.	kg	0.88	10%
Material	Iron metal	Steel	Steel v.	kg	3.29	10%
Material	Non Iron metal	Aluminium	Aluminium	kg	8.14	
Material	Non Iron metal	Aluminium	Aluminium r.	kg	2.01	30%
Material	Non Iron metal	Aluminium	Aluminium v.	kg	11.89	30%
Material	Non Iron metal	Copper	Copper	kg	2.77	50%
Material	Non Iron metal	Copper	Copper v.	kg	3.83	
Material	Non Iron metal	Glass	Glass	kg	0.85	000/
Material Material	Non Iron metal	Glass	Glass r.	kg	0.73	20% 20%
Material Material	Non Iron metal	Glass	Glass v.	kg	4.40 1.64	30%
Material Material	Non Iron metal	Lead	Lead Lead r	kg	0.53	30%
Material Material	Non Iron metal Non Iron metal	Lead Lead	Lead r. Lead v.	kg kg	2.61	
Material	Non Iron metal	Nickel	Nickel	kg	11.53	30%
Material	Non Iron metal	Other	Other metal	kg	4.40	80%
Material	Non Iron metal	Zinc	Zinc	kg	3.41	20%
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Reagent Chemical Al2O3 Aluminium oxide, Al2O3 Kg 1.23			` '	, , , , ,			
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Reagent Chemical C2H3ClO2 Chloroacetic acid, C2H3ClO2 Kg 2.20							25%
Reagent Chemical C2H6O Ethanol from ethylene, C2H6O Kg 1.24							
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Reagent Chemical C3H6O Acetone, liquid, C3H6O kg 2.19 Reagent Chemical C3H6O Propanal, C3H6O kg 3.32 Reagent Chemical C3H7OH Isopropanol, C3H7OH kg 1.85 Reagent Chemical C3H8O 1-propanol, C3H8O kg 3.84 Reagent Chemical C3H8O2 Propylene glycol, C3H8O2 kg 4.14 Reagent Chemical C3H8O2 Propylene glycol, C3H8O2 kg 4.14 Reagent Chemical C4H10O Isobutanol, C4H10O kg 2.27 Reagent Chemical C4H8O Tetrahydrofuran, C4H8O kg 5.78 Reagent Chemical C5H12 Pentane, C5H12 kg 1.09 Reagent Chemical C5H12O 1-pentanel, C5H12O kg 4.52 Reagent Chemical C6H14 Hexane, C6H14 kg 0.62 50% Reagent Chemical C6H4CI2 0-dichlorobenzene, C6H4CI2							
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Reagent Chemical C5H12O							
Reagent Chemical C6H14 Hexane, C6H14 kg 0.62 50% Reagent Chemical C6H14O4 Triethylene glycol, C6H14O4 kg 3.09 Reagent Chemical C6H4Cl2 o-dichlorobenzene, C6H4Cl2 kg 12.20 Reagent Chemical C6H4Cl2 p-dichlorobenzene, C6H4Cl2 kg 12.20 Reagent Chemical C6H5Cl Monochlorobenzene, C6H5Cl kg 3.87 Reagent Chemical C6H5CH Phenol, C6H5OH kg 3.87 Reagent Chemical C7H16 Benzene, C6H6 kg 1.76 Reagent Chemical C7H8 (C6H5CH3) Toluene, C7H8 (C6H5CH3) kg 1.47 Reagent Chemical C							
Reagent Chemical C6H14O4 Triethylene glycol, C6H14O4 kg 3.09 Reagent Chemical C6H4Cl2 o-dichlorobenzene, C6H4Cl2 kg 12.20 Reagent Chemical C6H4Cl2 p-dichlorobenzene, C6H4Cl2 kg 12.20 Reagent Chemical C6H5Cl Monochlorobenzene, C6H5Cl kg 12.20 Reagent Chemical C6H5OH Phenol, C6H5OH kg 3.87 Reagent Chemical C6H6 Benzene, C6H6 kg 1.76 Reagent Chemical C7H16 Heptane, C7H16 kg 0.92 Reagent Chemical C7H8 (C6H5CH3) Toluene, C7H8 (C6H5CH3) kg 1.47 Reagent Chemical CaC2 Calcium carbide, technical grade, CaC2 kg 3.68 Reagent Chemical CaCl2 Calcium chloride, CaCl2, CaCl2 kg 0.89 Reagent Chemical CH2O2 Formic acid, CH2O2 kg 2.51							F00/
Reagent Chemical C6H4Cl2 o-dichlorobenzene, C6H4Cl2 kg 12.20 Reagent Chemical C6H4Cl2 p-dichlorobenzene, C6H4Cl2 kg 12.20 Reagent Chemical C6H5Cl Monochlorobenzene, C6H5Cl kg 12.20 Reagent Chemical C6H5OH Phenol, C6H5OH kg 3.87 Reagent Chemical C6H6 Benzene, C6H6 kg 1.76 Reagent Chemical C7H16 Heptane, C7H16 kg 0.92 Reagent Chemical C7H8 (C6H5CH3) Toluene, C7H8 (C6H5CH3) kg 1.47 Reagent Chemical CaC2 Calcium carbide, technical grade, CaC2 kg 3.68 Reagent Chemical CaCl2 Calcium chloride, CaCl2, CaCl2 kg 0.89 Reagent Chemical CH2O2 Formic acid, CH2O2 kg 2.51							50%
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Reagent Chemical CH2O2 Formic acid, CH2O2 kg 2.51	Reagent				-		
	Reagent				-		
Reagent Chemical CH3OH Methyl alcohol, CH3OH kg 0.66 50%	Reagent						
	Reagent	Chemical	CH3OH	Methyl alcohol, CH3OH	kg	0.66	50%