Emission factors in kg CO2-equivalent per unit

			lactors in ky CO2-equivalent per	uiiit		
	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%
iviaterial	INON IFON METAI	ZIIIC	ZIIIC	ĸg	3.41	Щ

Maderied Der Bettersplate Be		In a second	1				
Material Other BatterySpile Battery NoCd 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	Material	Non Iron metal	Zinc	Zinc r.	kg	0.48	
Material Other BatterySpile BatteryNote 92 57.70							
Selection Sele							
Medicard Other				,	_		
Monetary					_		200/
Moderal Denter Moderal Moder							
Medicaries Other			,				
Moderary Morelary			· · · · · · · · · · · · · · · · · · ·				
Montering Montestry Montestry and 3 EUR 165 00 50							
Moderal				·			
Montering Montering Montering ratio 5 SEUR 2000 00			·	•			
Material Oher Monetary Norestary ratio P EUR 1,833,33 50 Material Oher Monetary Services highly material EUR 36,07 50 Material Oher Monetary Services highly material EUR 36,07 50 Material Oher Paper Paper Q			,	,			
Material Other Monetary Services Inglity material ECUR \$110.00 50% Material CFUR Services Inglity material ECUR \$6.07 50% Material ECUR \$6.00 \$7.36 \$7.00 \$6.00 \$7.36 \$7.00 \$7.00			,	•			
Material Other Morelary Sevices signify material Set UR 36.67 507 Material Other Paper Paper Paper No. 14.67 505 Material Other Waste Waste No. 14.67 505 Material Plastic Other Waste Waste No. 1,789.67 207 Material Plastic Other			,	•			
Material Other Paper P			•				
Material Orber Waste Waste Waste Waste Waste On 1.768 /7 S0 Material Plastic On 1.778 /87 S0 S0 Material Plastic One 1.778 /87 S0 S0 S0 Material Plastic One S. 178 S0			,	0 ,			
Mellerial Other Waste (milestic) Fibre (milestic) Fibre (milestic) On (milestic) 1738-67 Ol (milestic) On (milestic) <td></td> <td></td> <td></td> <td>1</td> <td>_</td> <td></td> <td></td>				1	_		
Plastic Plas							
Material Piestic Other Other plants Q 2.70 201					1		20%
Material Plastic Rubber							
Material Plastic Rubber				·			20%
Malerial Plastic Plastic Plate							
Material Plastic Thermodurble modurble modurb							
Material Plastic Thermoduschie Polyurethran rig. Vig. 3.61					-		4007
Material Plastic Thermoplastic ABS Material Plastic Thermoplastic Is/g 3.46 Material Plastic Thermoplastic In DPE r. Is/g 1.10 202 Material Plastic Thermoplastic In DPE r. Is/g 1.90 207 Material Plastic Thermoplastic LDPE r. Is/g 2.00 207 Material Plastic Thermoplastic LDPE v. Is/g 2.00 207 Material Plastic Thermoplastic Nylon Is/g 2.40 1.70 Material Plastic Thermoplastic PET r. Is/g 2.44 1.76 2.00 Material Plastic Thermoplastic PET r. Is/g 3.07 3.07 Material Plastic Thermoplastic Polyarvene Is/g 3.07 Material Plastic Thermoplastic PVG r. Is/g 3.07 Material Plastic T				,			40%
Material Plastic Thermoplastic EVAC Material Plastic Thermoplastic HOPE r. 8g 1.10 200 Material Plastic Thermoplastic HOPE v. 8g 1.90 200 Material Plastic Thermoplastic LOPE r. 8g 1.01 200 Material Plastic Thermoplastic LOPE v. 8g 2.06 207 Material Plastic Thermoplastic Nyon 8g 7.90 1.70 200 Material Plastic Thermoplastic PET r. 8g 2.40 1.76 200 Material Plastic Thermoplastic PET v. 8g 5.44 207 Material Plastic Thermoplastic PET v. 8g 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95							
Material Plastic Thermoplastic HDPE r. Ng 1.10 207 Material Plastic Thermoplastic LDPE r. Ng 1.01 209 Material Plastic Thermoplastic LDPE r. Ng 1.01 209 Material Plastic Thermoplastic Nyon Ng 7.90 20 Material Plastic Thermoplastic PE Ng 7.90 20 Material Plastic Thermoplastic PET r. Ng 1.76 20 Material Plastic Thermoplastic PET r. Ng 1.76 20 Material Plastic Thermoplastic PCT r. Ng 1.75 20 Material Plastic Thermoplastic PVC v. Ng 1.22 20 Material Plastic Thermoplastic Nyon Ng 2.22 20 Material Plastic Thermoplastic Nyon Ng 3.46 2.22							
Material Plastic Thermoplastic HDPE v. Ng 1.90 209 Material Plastic Thermoplastic LDPE v. Ng 2.06 20 Material Plastic Thermoplastic LDPE v. Ng 2.06 20 Material Plastic Thermoplastic PE Ng 2.40 2.40 Material Plastic Thermoplastic PE T. Ng 2.40 2.40 Material Plastic Thermoplastic PE T. Ng 2.44 2.00 Material Plastic Thermoplastic PE T. Ng 5.44 2.00 Material Plastic Thermoplastic PP Qrs. Ng 1.95 1.95 Material Plastic Thermoplastic PVC r. Ng 1.95 1.95 Material Plastic Thermoplastic PVC v. Ng 1.93 2.22 2.07 Material Plastic Thermoplastic SAN Ng							0001
Material Plastic Thermoplastic LOPE r. og 1.01 20° Material Plastic Thermoplastic LOPE v. og 7.90 Material Plastic Thermoplastic Nylon og 7.90 Material Plastic Thermoplastic PET v. og 1.76 20° Material Plastic Thermoplastic PET v. og 5.44 20° Material Plastic Thermoplastic PET v. og 1.55 20° Material Plastic Thermoplastic PVC r. og 1.95 0.48 20° Material Plastic Thermoplastic PVC v. og 2.22 20° <							20%
Material Plastic Thermoplastic LDPE v. 4g 2.06 207 Material Plastic Thermoplastic PE 4g 2.40 Material Plastic Thermoplastic PET r. 4g 1.76 207 Material Plastic Thermoplastic PET v. 4g 5.44 207 Material Plastic Thermoplastic PET v. 4g 3.07 Material Plastic Thermoplastic PPO v. 4g 3.07 Material Plastic Thermoplastic PVC r. 4g 0.48 20 Material Plastic Thermoplastic PVC r. 4g 0.48 20 Material Plastic Thermoplastic SAN 4g 3.46 20 Material Plastic Thermoplastic SAN 4g 3.46 20 Material Plastic Thermoplastic SAN 4g 3.46 20 20 20 20			·				
Material Plastic Thermoplastic Nylon kg 7.90 Material Plastic Thermoplastic PET r. kg 1.76 20° Material Plastic Thermoplastic PET r. kg 5.44 20° Material Plastic Thermoplastic PGT r. kg 5.44 20° Material Plastic Thermoplastic POystyrene kg 3.07 20° Material Plastic Thermoplastic PVC r. kg 2.22 20° Material Plastic Thermoplastic PVC v. kg 2.22 20° Material Plastic Thermoplastic PVC v. kg 2.22 20° Moterial Plastic Thermoplastic PVC v. kg 2.22 20° Material Plastic Thermoplastic PVC v. kg 2.22 20° Material Plastic Thermoplastic Nature na 3.0 3.0							
Material Plastic Thermoplastic PE 8g 2.40 Material Plastic Thermoplastic PET r. 8g 1.76 20° Material Plastic Thermoplastic PET v. 8g 5.44 20° Material Plastic Thermoplastic PP gra. 9g 1.95 Material Plastic Thermoplastic PVC r. 8g 0.48 20° Material Plastic Thermoplastic PVC v. 8g 0.22 20° Material Plastic Thermoplastic SAN 8g 3.46 20° Material Plastic Thermoplastic SAN 8g 3.46 20° Material Plastic Thermoplastic SAN 8g 3.46 20° Material Plastic Thermoplastic VC v. 8g 3.46 20° Material Plastic Thermoplastic VC v. 8g 3.46 20° 20° 20°			· '				20%
Material Plastic Thermoplastic PET r. kg 1.76. 200 Material Plastic Thermoplastic PET v. kg 5.44 207 Material Plastic Thermoplastic POystyrene kg 1.95 Material Plastic Thermoplastic PVC r. kg 0.48 207 Material Plastic Thermoplastic PVC r. kg 2.22 20 Material Plastic Thermoplastic SAN kg 2.22 20 Process Water Other Tay water m3 0.32 Process Process Water Other Water decarb. m3 0.01 Process Process Water Other Water decarb. m3 0.01 Process Water Other Water solf. m3 0.02 Reagert Chemical Al(OH)3 kg 0.26 Reagert Chemical Al(CH)3 kg 0.26 Reagert Chemical Al2(SQ4)3							
Material Plastic Thermoplastic PET v. 8g 5.44 209 Material Plastic Thermoplastic Polystyrene kg 3.07 Material Plastic Thermoplastic PV cr. kg 0.48 209 Material Plastic Thermoplastic PVC v. kg 0.48 202 Material Plastic Thermoplastic PVC v. kg 3.46 Process Water Other Tay auter m3 0.32 Process Water Other Water m3 0.03 Process Water Other Water dearb. m3 0.03 Process Water Other Water dearb. m3 0.01 Process Water Other Water dearb. m3 0.02 Reagent Chemical Al(2H)(3) Aluminum sulphate, Al(2H)(3) kg 0.66 Reagent Chemical Al(2S)(3) Aluminum sulphate, Al(2H)(3) kg							2221
Material Plastic Thermoplastic Polystyrene kg 3.97 Material Plastic Thermoplastic PVC r. kg 0.48 20° Material Plastic Thermoplastic PVC r. kg 0.22 20° Material Plastic Thermoplastic SAN kg 3.46 20° Process Water Other Tap water m3 0.32 20° Process Water Other Water m3 0.03 20° Process Water Other Water decarb. m3 0.03 0.01 Process Water Other Water deciden. m3 0.02 0.01 Process Water Other Water deciden. m3 0.02 0.02 Reagent Chemical Al(ICH)3 Aluminium byfaction, Al(ICH)3 kg 0.60 0.60 Reagent Chemical Al2(SO4)3 Aluminium byfaction, Al(ICH)3 kg 0.60 0.00 0.00							
Material Plastic Thermoplastic PP gra. kg 1.95 Material Plastic Thermoplastic PVC r. kg 0.48 209 Material Plastic Thermoplastic SVC v. kg 2.22 20 Material Plastic Thermoplastic SAN kg 3.46 Process Water Other Tay auter m3 0.32 Process Water Other Water Material m3 0.03 Process Water Other Water decarb. m3 0.03 Process Water Other Water decarb. m3 0.03 Process Water Other Water decarb. m3 0.03 Process Water Other Water decarb. m3 0.03 Process Water Other Water decarb. m3 0.03 Recarch Recarch m3 0.01 Recarch Recarch m3 0.02 Recarch Recarch Mat							20%
Material Plastic Thermoplastic PVC r. kg 0.48 20° Material Plastic Thermoplastic PVC v. kg 2.22 20° Material Plastic Thermoplastic SAN kg 3.46 Process Water Other Tap water m3 0.32 Process Water Other Water m3 0.01 Process Water Other Water decarb. m3 0.01 Process Wat					-		
Material Plastic Thermoplastic PVC v. kg 2.22 20 Material Plastic Thermoplastic SAN kg 3.46 Process Water Other Tap water m3 0.03 Process Water Other Water m3 0.01 Process Water Other Water decarb. m3 0.01 Process Water Other Water decarb. m3 0.01 Process Water Other Water decin. m3 0.80 Process Water Other Water decin. m3 0.80 Process Water Other Water solf. m3 0.80 Reagent Chemical Alicy Olyan Aluminium bydroxide, Al(OH)3 kg 0.50 Reagent Chemical Alicy Olyan Aluminium bydroxide, Al(OH)3 kg 0.50 Reagent Chemical Alicy Olyan Aluminium bydroxide, Al(OH)3 kg 0.50 Reagent Chemical <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2221</td>							2221
Material Plastic Thermoplastic SAN Iq 3.46 Process Water Other Tap water m3 0.32 Process Water Other Water m3 0.03 Process Water Other Water defein. m3 0.01 Process Water Other Water defein. m3 0.02 Process Water Other Water solf. m3 0.02 Reagert Chemical Al(IOH)3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.66 Reagent Chemical Al2(SO4)3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al203 Aluminium byte, Al203 kg 1.23 Reagent Chemical Al203 Aluminium choride, Al203 kg 1.23 Reagent Chemical Al200 Alcohol kg 1.24 Reagent Chemical CAB60 Elhanol from ethylene, C2CI4 kg 3.90							
Process Water Other Tap water m3 0.32 Process Water Other Water m3 0.03 Process Water Other Water deion. m3 0.01 Process Water Other Water deion. m3 0.02 Process Water Other Water solf. m3 0.02 Reagent Chemical Al(OH)3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.66 Reagent Chemical Al2(SO4)3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al2(3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al2(3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al2(3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al2(3 Aluminium sulphate, powder, Al2(SO4)3 kg 1.23 Reagent Chemical Al2(6) Alt							20%
Process Water Other Water decarb. m3 0.03 Process Water Other Water decarb. m3 0.01 Process Process Other Water deion. m3 0.80 Process Water Other Water solf. m3 0.02 Reagent Chemical Al(CH3) Aluminium sulphate, powder, Al2(SO4)3 kg 0.66 Reagent Chemical Al2(SO4)3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al2(SO4)3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al2O3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al2O3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al2O3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical AlCO Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical							
Process Water Other Water decarb. m3 0.01 Process Water Other Water deion. m3 0.80 Process Water Other Water soif. m3 0.02 Reagent Chemical Al(OH)3 Aluminium brokide, Al(OH)3 kg 0.56 Reagent Chemical Al2(SQ4)3 Aluminium brokide, Al2(SQ3) kg 0.50 Reagent Chemical Al2(SQ3) Aluminium brokide, Al2(SQ3) kg 0.50 Reagent Chemical AlC(S) Aluminium chloride, AlC(S) kg 0.60 0% Reagent Chemical AlC(S) Aluminium chloride, AlC(S) kg 0.60 0% Reagent Chemical AlC(S) Aluminium chloride, AlC(S) kg 0.60 0% Reagent Chemical C2CL4 Tetrachioroethylene, C2H4 kg 3.90 0.60 0% 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60							
Process Water Other Water solf. m3 0.80 Process Water Other Water solf. m3 0.02 Reagent Chemical Al(OH)3 Aluminium pydroxide, Al(OH)3 kg 0.66 Reagent Chemical Al2(SO4)3 Aluminium subhate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al203 Aluminium oxide, Al203 kg 0.50 Reagent Chemical Al203 Aluminium oxide, Al203 kg 0.60 0% Reagent Chemical Al203 Aluminium oxide, Al203 kg 0.60 0% Reagent Chemical Alcohol Alcohol kg 0.60 0% Reagent Chemical Alcohol Alcohol kg 1.47 259 Reagent Chemical C2H0GIO Chioroacetia acid, C2H3CIO2 kg 3.90 Reagent Reagent Chemical C2H0GII Trichloroethylene, C2HCIG kg 1.24 Reagent							
Process Water Other Water solf. m3 0.02 Reagent Chemical AI(OH)3 Aluminium hydroxide, AI(OH)3 kg 0.66 Reagent Chemical AI2(SO4)3 Aluminium phydroxide, AI2(SO4)3 kg 0.50 Reagent Chemical AIC3 Aluminium coxide, AI2(3) kg 1.23 Reagent Chemical AIC03 Aluminium coxide, AIC33 kg 0.60 0% Reagent Chemical AIC03 Aluminium coxide, AIC33 kg 0.60 0% Reagent Chemical AIC03 Aluminium coxide, AIC33 kg 0.60 0% Reagent Chemical AIC04 Alcohol AIC04 AIC04 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Reagent Chemical Al(OH)3 Aluminium hydroxide, Al(OH)3 kg 0.66 Reagent Chemical Alz(SO4)3 Aluminium sulphate, powder, Alz(SO4)3 kg 0.50 Reagent Chemical Al203 Aluminium sulphate, powder, Alz(SO4)3 kg 1.23 Reagent Chemical Al203 Aluminium chloride, AlCi3 kg 0.60 0% Reagent Chemical Alcool Alcohol kg 0.47 257 Reagent Chemical Alcool Alcohol kg 3.39 1.24 Reagent Chemical C2H6O Ethanol from ethylene, C2H6O kg 1.24 Reagent Chemical C2H6O Ethanol from ethylene, C2H6O kg 1.24 Reagent Chemical C2H6O kg 1.24 Reagent Chemical C2H6O Ethanol from ethylene, C2H6O kg 1.24 Reagent Chemical C2H6O Kg 1.24 Reagent Chemical C3H6O Reagent Chemical C3H6O Reagent Rg							
Reagent Chemical Al2(SO4)3 Aluminium sulphate, powder, Al2(SO4)3 kg 0.50 Reagent Chemical Al2O3 Aluminium chioride, AlCI3 kg 0.50 Reagent Chemical AlCI3 Aluminium chioride, AlCI3 kg 0.60 0% Reagent Chemical Alcool Alcohol kg 1.47 259 Reagent Chemical C2CL4 Tetrachloroethylene, C2CI4 kg 3.30 Reagent Chemical C2HSCIQ2 Chloroacetic acid, C2H3CIQ2 kg 2.20 Reagent Chemical C2HGO Ethanol from ethylene, C2HGO kg 2.20 Reagent Chemical C2HGO Ethanol from ethylene, C2HGO kg 2.19 Reagent Chemical C3HGO Acetone, kiquid, C3HGO kg 2.19 Reagent Chemical C3HGO Acetone, kiquid, C3HGO kg 3.32 Reagent Chemical C3HGO Propanol, C3HTOH kg 3.32 Reagent Che					-		
Reagent Chemical AI2O3 Aluminium oxide, AI2O3 kg 1.23 Reagent Chemical AICI3 Aluminium chloride, AICI3 kg 0.60 0% Reagent Chemical Alcool Alcool kg 1.47 259 Reagent Chemical C2CI4 Tetrachloroethylene, C2CI4 kg 3.90 Reagent Chemical C2H3CIO2 Chloroacetic acid, C2H3CIO2 kg 2.20 Reagent Chemical C2H6O Ethanol from ethylene, C2HCI3 kg 1.24 Reagent Chemical C2HCI3 Trichloroethylene, C2HCI3 kg 0.45 Reagent Chemical C3H6O Acetone, liquid, C3H6O kg 2.19 Reagent Chemical C3H6O Propanal, C3H6O kg 3.32 Reagent Chemical C3H6O Propanal, C3H8O kg 3.34 Reagent Chemical C3H8O 1-propanol, C3H8O kg 3.34 Reagent Chemical C3H8O			` '	, , , , ,			
Reagent Chemical AlCi3 Aluminium chloride, AlCi3 kg 0.60 0% Reagent Chemical Alcool Alcohol kg 1.47 259 Reagent Chemical C2CI4 Tetrachitorethylene, C2CI4 kg 3.90 Reagent Chemical C2H3CIO2 Chloroacetic acid, C2H3CIO2 kg 2.20 Reagent Chemical C2H6O Ethanol from ethylene, C2H6O kg 1.24 Reagent Chemical C2H6O Ethanol from ethylene, C2H6O kg 0.45 Reagent Chemical C3H6O Acetone, fiquid, C3H6O kg 2.19 Reagent Chemical C3H6O Acetone, fiquid, C3H6O kg 3.32 Reagent Chemical C3H6O Propanal, C3H8O kg 3.32 Reagent Chemical C3H8O 1-propanol, C3H8O kg 3.84 Reagent Chemical C3H8O 1-propanol, C3H8O kg 3.84 Reagent Chemical C4H8O			· '				
Reagent Chemical Alcool Alcohol kg 1.47 257 Reagent Chemical C2CI4 Tetrachloroethylene, C2CI4 kg 3.90 Reagent Chemical C2H3CIO2 Chloroacetic acid, C2H3CIO2 kg 2.20 Reagent Chemical C2H6O Ethanol from ethylene, C2H6O kg 1.24 Reagent Chemical C2HCI3 Trichloroethylene, C2HCI3 kg 0.45 Reagent Chemical C3H6O Acetone, liquid, C3H6O kg 2.19 Reagent Chemical C3H6O Propanal, C3H6O kg 3.32 Reagent Chemical C3H6O Propanal, C3H6O kg 3.32 Reagent Chemical C3H8O 1-propanol, C3H7OH kg 1.85 Reagent Chemical C3H8O 1-propanol, C3H8O kg 4.14 Reagent Chemical C3H8O2 Propylene glycol, C3H8O2 kg 4.14 Reagent Chemical C4H10O Isobatanol, C4					-		
Reagent Chemical C2CI4 Tetrachloroethylene, C2CI4 kg 3.90 Reagent Chemical C2H3CIQ2 Chloroacetic acid, C2H3CIQ2 kg 2.20 Reagent Chemical C2H6O Ethanol from ethylene, C2H6O kg 1.24 Reagent Chemical C2HCI3 Trichloroethylene, C2HCI3 kg 0.45 Reagent Chemical C3H6O Acetone, liquid, C3H6O kg 2.19 Reagent Chemical C3H6O Propanal, C3H6O kg 3.32 Reagent Chemical C3H7OH Isopropanol, C3H8O kg 1.85 Reagent Chemical C3H8O 1-propanol, C3H8O kg 3.84 Reagent Chemical C3H8O 1-propanol, C3H8O kg 4.14 Reagent Chemical C3H8O 1-propanol, C3H8O kg 4.14 Reagent Chemical C3H8O 1-propanol, C3H8O kg 4.14 Reagent Chemical C4H8O Tetrahydrofuran, C4H8O	9			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9		
Reagent Chemical C2H3CIO2 Chloroacetic acid, C2H3CIO2 kg 2.20 Reagent Chemical C2H6O Ethanol from ethylene, C2H6O kg 1.24 Reagent Chemical C2HCI3 Trichloroethylene, C2HCI3 kg 0.45 Reagent Chemical C3H6O Acetone, liquid, C3H6O kg 2.19 Reagent Chemical C3H6O Propanal, C3H6O kg 3.32 Reagent Chemical C3H6O Propanal, C3H6O kg 1.85 Reagent Chemical C3H7OH Isopropanol, C3H7OH kg 1.85 Reagent Chemical C3H8O 1-propanol, C3H8O kg 4.14 Reagent Chemical C3H8O 1-propanol, C3H8O kg 4.14 Reagent Chemical C3H8O Propylene glycol, C3H8O2 kg 4.14 Reagent Chemical C4H10O Isobutanol, C4H10O kg 2.27 Reagent Chemical C4H8O Tetrahydrofuran, C4H8O							25%
Reagent Chemical C2H6O Ethanol from ethylene, C2H6O kg 1.24 Reagent Chemical C2HCI3 Trichloroethylene, C2HCI3 kg 0.45 Reagent Chemical C3H6O Acetone, liquid, C3H6O kg 2.19 Reagent Chemical C3H6O Propanal, C3H6O kg 3.32 Reagent Chemical C3H6O Propanal, C3H7OH kg 1.85 Reagent Chemical C3H8O 1-propanol, C3H7OH kg 3.84 Reagent Chemical C3H8O 1-propanol, C3H8O kg 3.84 Reagent Chemical C3H8O 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 Perntane, C5H12 kg 1.09 Reagent Chemical C5H12O 1-pentanol, C5H12O kg							
Reagent Chemical C2HCl3 Trichloroethylene, C2HCl3 kg 0.45 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 C3H8O 1-propanol, C3H8O2 kg 4.14 Reagent Chemical C3H8O2 Propylene glycol, C3H8O2 kg 4.14 Reagent Chemical C3H8O2 Propylene glycol, C3H8O2 kg 4.14 Reagent Chemical C3H8O2 Propylene glycol, C3H8O2 kg 4.14 Reagent Chemical C4H1OO Isobutanol, C4H1OO kg 2.27 Reagent Chemical C5H12 Pentane, C5H12 kg 1.09 Reagent Chemical C5H12 Pentane, C5H12 kg							
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 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-pentanol, C5H12O kg 4.52 Reagent Chemical C6H14 Hexane, C6H14 kg 0.62 50° Reagent Chemical C6H4C12 0-dichlorobenzene, C6H4C12 kg 3.09 Reagent Chemical C6H4C12 0-dichlorobenzene, C6H4C12 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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 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-pentanol, C5H12O kg 4.52 Reagent Chemical C6H14 Hexane, C6H14 kg 0.62 509 Reagent Chemical C6H14O4 Triethylene glycol, C6H14O4 kg 3.09 12.20 Reagent Chemical C6H4Cl2 0-dichlorobenzene, C6H4Cl2 kg 12.20 Reagent Chemical C6H4Cl2 <t< td=""><td>Reagent</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Reagent						
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 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-pentanol, C5H12O kg 4.52 Reagent Chemical C5H12O 1-pentanol, C5H12O kg 4.52 Reagent Chemical C6H14 Hexane, C6H14 kg 0.62 50° Reagent Chemical C6H14O4 Triethylene glycol, C6H14O4 kg 3.09 Reagent Chemical C6H14Cl2 0-dichlorobenzene, C6H4Cl2 kg 12.20 Reagent Chemical C6H4Cl2 0-dichlorobenzen							
Reagent Chemical C3H8O 1-propanol, C3H8O kg 3.84 Reagent Chemical C3H8O2 Propylene glycol, C3H8O2 kg 4.14 Reagent Chemical C4H1OO Isobutanol, C4H1OO kg 2.27 Reagent Chemical C4H8O Tetrahydrofuran, C4H8O kg 5.78 Reagent Chemical C5H12 Pentane, C5H12 kg 1.09 Reagent Chemical C5H12O 1-pentanol, C5H12O kg 4.52 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 12.20 Reagent Chemical C6H5OH P							
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-pentanol, C5H12O kg 4.52 Reagent Chemical C5H14O Hexane, C6H14 kg 0.62 50% Reagent Chemical C6H14O4 Triethylene glycol, C6H14O4 kg 3.09 60 62 50% 60							
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-pentanol, C5H12O kg 4.52 Reagent Chemical C6H14 Hexane, C6H14 kg 0.62 509 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 C6H5Cl Monochlorobenzene, C6H5Cl kg 3.87 Reagent Chemical C6H5CH Phenol, C6H5CH kg 3.87 Reagent Chemical C6H6 Benz							
Reagent Chemical C4H8O Tetrahydrofuran, C4H8O kg 5.78 Reagent Chemical C5H12 Pentane, C5H12 kg 1.09 Reagent Chemical C5H12O 1-pentanol, C5H12O kg 4.52 Reagent Chemical C6H14 Hexane, C6H14 kg 0.62 503 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 C6H5Cl Monochlorobenzene, C6H5Cl kg 3.87 Reagent Chemical C6H5OH Phenol, C6H5OH kg 3.87 Reagent Chemical C6H6 Benzene, C6H6 kg 1.76 Reagent Chemical C7H16 Heptane, C							
Reagent Chemical C5H12 Pentane, C5H12 kg 1.09 Reagent Chemical C5H12O 1-pentanol, C5H12O kg 4.52 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 12.20 Reagent Chemical C6H5Cl Monochlorobenzene, C6H5Cl kg 12.20 Reagent Chemical C6H5Cl Monochlorobenzene, C6H5Cl kg 3.87 Reagent Chemical C6H5CH Phenol, C6H5CH kg 3.87 Reagent Chemical C6H5CH Benzene, C6H5CH kg 0.92 Reagent Chemical C7H16 H				*			
Reagent Chemical C5H12O 1-pentanol, C5H12O kg 4.52 Reagent Chemical C6H14 Hexane, C6H14 kg 0.62 509 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 C6H5Cl Monochlorobenzene, C6H5Cl kg 12.20 Reagent Chemical C6H5Cl Monochlorobenzene, C6H5Cl kg 3.87 Reagent Chemical C6H5Cl Monochlorobenzene, C6H5Cl kg 3.87 Reagent Chemical C6H5CH Phenol, C6H5CH kg 1.76 Reagent Chemical C7H16 Heptane, C7H16 kg 0.92 Reagent Chemical C3C2							
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 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 C	Reagent						
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 CaC12 Calcium chloride, CaC12, CaC12 kg 0.89 Reagent Chemical CH2O2 Formic acid, CH2O2 Kg 2.51							
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	Reagent						50%
Reagent Chemical C6H4Cl2 p-dichlorobenzene, C6H4Cl2 kg 12.20 Reagent Chemical C6H5Cl Monochlorobenzene, C6H5Cl kg 12.20 Reagent Chemical C6H5CH Phenol, C6H5CH 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				, , ,			
Reagent Chemical C6H5CI Monochlorobenzene, C6H5CI 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							
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	Reagent						
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							
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	Reagent			•			
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	Reagent						
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	Reagent						
Reagent Chemical CaCl2 Calcium chloride, CaCl2, CaCl2 kg 0.89 Reagent Chemical CH2O2 Formic acid, CH2O2 kg 2.51	Reagent		· · · · · · · · · · · · · · · · · · ·				
Reagent Chemical CH2O2 Formic acid, CH2O2 kg 2.51	Reagent				-		
	Reagent			Calcium chloride, CaCl2, CaCl2	kg		
Reagent Chemical CH3OH Methyl alcohol, CH3OH kg 0.66 509	Reagent				kg		
	Reagent	Chemical	СНЗОН	Methyl alcohol, CH3OH	kg	0.66	50%

	1	,		1		
Reagent	Chemical	CHCI3	Trichloromethane, CHCl3	kg	4.13	
Reagent	Chemical	CI	Chlorine, liquid, Cl	kg	1.08	
Reagent	Chemical	CIO2	Chlorine dioxide, CIO2	kg	6.33	
Reagent	Chemical	CO	Carbon monoxide, CO	kg	1.57	
Reagent	Chemical	CO2	Carbon dioxide liquid, CO2	kg	0.82	
Reagent	Chemical	Cu2O	Copper oxide, Cu2O	kg	2.07	
Reagent	Chemical	CuCO3	Copper carbonate, CuCO3	kg	2.00	
Reagent	Chemical	F	Fluorine, liquid, F	kg	11.40	
	Chemical	FeCl3			0.18	
Reagent			Iron (II) chloride, 40% in H2O, FeCl3	kg		
Reagent	Chemical	Н	Hydrogen, liquid, H	kg	1.63	
Reagent	Chemical	H2O2	Hydrogen peroxide, 50% in H2O, H2O2	kg	1.14	
Reagent	Chemical	H2SiF6	Fluosilisic acid, 22% in H2O, H2SiF6	kg	0.97	
Reagent	Chemical	H2SO4	Sulphuric acid, H2SO4	kg	0.14	50%
Reagent	Chemical	H3BO3	Boric acid, anhydrous, powder, H3BO3	kg	0.72	
Reagent	Chemical	H3PO4	Phosphoric acid, industrial grade, 85% in H20, H3PO4	kg	1.45	50%
Reagent	Chemical	HCI	Hydrochloric acid, 30% in H2O, HCI	kg	1.20	50%
Reagent	Chemical	HCI	Hydrochloric acid, HCl	kg	0.89	0070
					7.06	
Reagent	Chemical	HCN	Hydrogen cyanide, HCN	kg		
Reagent	Chemical	HF	Hydrogen fluoride, HF	kg	2.82	
Reagent	Chemical	HNO3	Nitric acid production - Atmospheric pressure plants (low pressure), HNO3	kg	1.55	
Reagent	Chemical	HNO3	Nitric acid production - High pressure plant, HNO3	kg	2.79	
Reagent	Chemical	HNO3	Nitric acid production - Medium pressure combustion plant, HNO3	kg	2.17	
Reagent	Chemical	HNO3	Nitric acid, 50 % in H2O, HNO3	kg	3.18	
Reagent	Chemical	Inorganic	Carbon black	kg	2.38	
Reagent	Chemical	Inorganic	Silicone product	kg	2.67	
_						
Reagent	Chemical	K2CO3	Potassium carbonate, K2CO3	kg	2.38	
Reagent	Chemical	K2O	Potassium carbonate, by ton of K2O	kg	0.69	30%
Reagent	Chemical	KCIO4	Potassium perchlorate, KCIO4	kg	5.09	
Reagent	Chemical	KOH	Potassium hydroxide, KOH	kg	1.94	
Reagent	Chemical	MgO	Magnesium oxide, MgO	kg	1.06	
Reagent	Chemical	MgSO4	Magnesium sulphate, MgSO4	kg	0.30	
Reagent	Chemical	N	Nitrogen, liquid	kg	0.43	
	Chemical	Na2B4O7·10H2O			1.65	
Reagent			Borax, anhydrous, powder	kg		F00/
Reagent	Chemical	Na2CO3	Sodium carbonate (caustic soda), 50%, Na2CO3	kg	0.59	50%
Reagent	Chemical	Na2Si3O7	Sodium silicate at 48%, Na2Si3O7	kg	0.71	0%
Reagent	Chemical	Na2SiO3	Sodium silicate, spray powder 80%, Na2SiO3	kg	1.64	
Reagent	Chemical	Na2SO4	Sodium sulphate, powder, Na2SiO3	kg	0.47	
Reagent	Chemical	NaCl	Sodium chloride, powder, NaCl	kg	0.20	
Reagent	Chemical	NaCIO	Sodium hypochlorite, 15% in H2O, NaClO	kg	0.92	
Reagent	Chemical	NaClO3	Sodium chlorate, powder, NaClO3	kg	3.23	
_		NaHCO3	Bicarbonate of soda, NaHCO3		1.17	0%
Reagent	Chemical		·	kg		
Reagent	Chemical	NaHSO3	Sodium bisulfite, NaHSO3	kg	0.44	0%
Reagent	Chemical	NaOH	Soda, powder, NaOH	kg	0.46	
Reagent	Chemical	NaOH	Sodium hydroxide, 50% in H2O, production mix, NaOH	kg	1.12	
Reagent	Chemical	NH3	Ammonia, liquid, NH3	kg	2.11	
Reagent	Chemical	NH4CI	Ammonium chloride, NH4Cl	kg	1.18	
Reagent	Chemical	NH4HCO3	Ammonium bicarbonate, NH4HCO3	kg	1.20	
Reagent	Chemical	NH4NO3	Ammonium nitrate (NH4NO3), by ton of nitrogen	kg	4.09	30%
	Chemical	O2			0.41	0070
Reagent			Oxygen, liquid	kg		
Reagent	Chemical	O3	Ozone, liquid	kg	8.01	
Reagent	Chemical	Organic	Lubricating oil	kg	1.07	
Reagent	Chemical	Organic	Palm oil	kg	2.93	
Reagent	Chemical	Organic	Soya oil	kg	1.70	
Reagent	Chemical	Other	Other chemical	kg	3.00	50%
Reagent	Chemical	Other	Soap	kg	1.75	
Reagent	Chemical	PCI3	Phosphorous chloride, PCl3	kg	3.39	
Reagent	Chemical	SF6	Sulphur hexafluoride, liquid, SF6	kg	120.00	
Reagent	Chemical	SO2	Sulphur dioxide, liquid, SO2	kg	0.44	
_					0.44	
Reagent	Chemical	Solvent	White spirit	kg		
Reagent	Chemical	ZnO	Zinc oxide, ZnO	kg	2.91	
Reagent	Chemical	ZnS	Zinc sulphide, ZnS	kg	4.18	
Reagent	Chemical	ZrO2	Zirconium oxide, ZrO2	kg	4.05	
Reagent	Other	Activated carbon	AC coconut prod.	kg	1.43	
Reagent	Other	Activated carbon	AC coconut reac.	kg	0.65	
Reagent	Other	Activated carbon	AC mineral prod.	kg	5.27	
Reagent	Other	Activated carbon	AC mineral reac.	kg	2.46	
	Other	Activated carbon	AC mineral read. AC mineral renew.		8.38	
Reagent				kg		
Reagent	Other	Activated carbon	AC wood prod.	kg	2.61	001
Reagent	Other	Biocide	Biocide	kg	3.73	0%
Reagent	Other	CaCO3	Lime stone	kg	0.01	0%
Reagent	Other	CaO	Lime CaO	kg	0.15	50%
Reagent	Other	Fertilizer	Nitrogen	kg	4.62	30%
	Other	Fertilizer	Phosphorous	kg	2.70	0%
Reagent	Other				-:-	
Reagent Reagent			Membrane cleaning	ka	3 90	0%
Reagent	Other	Other	Membrane cleaning	kg	3.99	0%
Reagent Reagent	Other Other	Other Polymer	Polymer	kg	2.20	0% 0%
Reagent	Other	Other	· ·	1		

	I a .:	In .		1.		
Reagent	Other	Resin	Resin regener. (kg)	kg	0.53	
Reagent	Other	Resin	Resin regener. (m3)	m3	447.33	
Reagent	Other	Sand	Microsand	kg	0.11	
Reagent	Other	TSP	STP	kg	5.81	0%
Transport	Freight	Air	AF ave. (km)	km	2.10	20%
Transport	Freight	Air	AF long (km)	km	1.20	20%
Transport	Freight	Air	AF long (t.km)	t.km	0.57	
Transport	Freight	Air	AF short (km)	km	3.36	20%
Transport	Freight	Air	AF short (t.km)	t.km	1.58	
Transport	Freight	Air	Air freight average (km)	km	2.22	20%
Transport	Freight	Air	Air freight average (t.km)	t.km	1.30	0%
Transport	Freight	Rail	Rail freight	t.km	0.03	
Transport	Freight	Rail	Train EU	t.km	0.02	50%
Transport	Freight	Road	RF bulk large	t.km	0.01	
Transport	Freight	Road	RF bulk small	t.km	0.01	
Transport	Freight	Road	RF roro large	t.km	0.02	
Transport	Freight	Road	RF roro small	t.km	0.06	
Transport	Freight	Road	RF tanker large	t.km	0.00	
Transport	Freight	Road	RF tanker small	t.km	0.04	
Transport	Freight	Road	RF truck 20t 1/2full	t.km	0.82	9%
Transport	Freight	Road	RF truck 20t 1/4full	t.km	1.52	9%
Transport	Freight	Road	RF truck 20t 3/4full	t.km	0.59	9%
Transport	Freight	Road	RF truck 20t full	t.km	0.47	9%
Transport	Freight	Road	RF truck 35t 1/2full	t.km	0.44	11%
Transport	Freight	Road	RF truck 35t 1/4full	t.km	0.81	11%
Transport	Freight	Road	RF truck 35t 3/4full	t.km	0.31	11%
Transport	Freight	Road	RF truck 35t full	t.km	0.25	11%
Transport	Freight	Road	Road freight average (km)	km	1.11	11%
Transport	Freight	Road	Road freight average (t.km)	t.km	0.70	11%
Transport	Freight	Water	SF transoceanic	t.km	0.01	
Transport	Freight	Water	Ship freight	t.km	0.01	20%
Transport	Trip	Air	Air trip average	km	0.49	20%
Transport	Trip	Air	AT long	km	0.19	20%
Transport	Trip	Air	AT long 1st	km	0.78	20%
Transport	Trip	Air	AT long 2nd	km	0.16	20%
Transport	Trip	Air	AT long bus.	km	0.81	20%
Transport	Trip	Air	AT short	km	0.24	20%
Transport	Trip	Air	AT short 2nd	km	0.19	20%
Transport	Trip	Air	AT short bus.	km	0.80	20%
Transport	Trip	Rail	Train trip	km	0.06	
Transport	Trip	Road	Road trip	km	0.21	
Transport	Trip	Road	Road trip average	km	0.19	20%
Transport	Trip	Road	RT diesel large	km	0.26	
Transport	Trip	Road	RT diesel medium	km	0.19	
Transport	Trip	Road	RT diesel small	km	0.15	
Transport	Trip	Road	RT hybrid large	km	0.22	
Transport	Trip	Road	RT hybrid medium	km	0.13	
Transport	Trip	Road	RT petrol large	km	0.30	
Transport	Trip	Road	RT petrol medium	km	0.22	
Transport	Trip	Road	RT petrol small	km	0.18	
παπορυπ	קווין	i ioau	itt petror aman	MH	0.18	