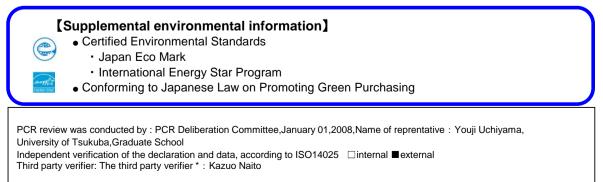
Form 1(F-01-03)



Notes:

- 1. Original LCA data is available on PEIDS: Product Environmental Information Declaration Sheet, and Product Data Sheet.
- 2. Unified rules and requirements for EcoLeaf LCA, for intended product category, are available as a PCR: Product Category Rule. Visit EcoLeaf website under JEMAI homepage at http://www.ecoleaf-jemai.jp/eng/ for details.
- 3. Recycle Effect illustrates an indirect influence to other products/services.
- 4. Basic Units used for calculations are based on Japan domestic data at this time, due to a lack of base data to establish localized Basic Unit for overseas locations adequately.
- 5. This declaration was produced using Product Category Rule intended for a product model sold in the Japanese market and using the qualitative and quantitative data collected in Japan.



Programme operator: Japan Environmental Management Association for Industry, ecoleaf@jemai.or.jp

* In the case of an business entity certified as an Ecoleaf-data-collection system, the names of certification auditors are written. The EcoLeaf is an environmental labeling program that belongs to the ISO-Type III category.

Form 2 (F-02B-03) Product Environmental Information Data Sheet (PEIDS)



C	Product vendor KONICA					02B-03 IINOLT			unction DB version Factor DB version	2.1 2.1		ECO LEAF 製品環境情報			
Ec	coLea	of regis	stration r	10.	AD-1	19-E11(00	itee ppp vag vag het http://www.jemai.or							
	PCF	R nai	ne	EP and	l IJ printe	ər	Product type			bizhub C3350i					
	PC	R-I	D	A	D-04		Product weight[kg]	38.5	Package[kg]	5.2	5.2 Weight total[kg] 43				
1		_		Life C	Cycle Stage	Unit	Produ		Distribution	Use	Disposal	Recycle			
in/O	ut iter	ms				MJ	Raw material 3.18E+03	Product 6.39E+02	1.83E+02	1.04E+04	3.59E+01	2.425.02			
		E	Energy C	onsumption	-	Mcal	7.60E+02	1.53E+02	4.38E+01	2.49E+03	8.58E+00	-2.12E+03 -5.06E+02			
	1	1	1	Coal		kg	2.45E+01	3.85E+02	4.28E-04	4.03E+01	1.83E-01	-3.00E+02 -1.23E+01			
				Crude oil (as a	a fuel)	kg	2.86E+01	4.43E+00	4.00E+00	7.41E+01	3.86E-01	-1.69E+01			
			Energy	Energy	Energy	Energy	Natural Gas		kg	5.54E+00	2.69E+00	6.18E-02	2.95E+01	9.48E-02	-2.54E+00
					Uranium ore		mg	5.13E-04	2.60E-04	2.90E-08	2.07E-03	1.24E-05	-1.30E-04		
					Crude oil (a ingredier		kg	1.45E+01	0	0	5.66E+01	0	-1.76E+01		
				Iron or	re	kg	1.93E+01	0	0	9.25E+00	0	-1.14E+01			
				Copper	ore	kg	5.85E-01	0	0	0.00E+00	0	-1.89E-01			
		Exhaustible resources		Bauxit	te	kg	5.59E-01	0	0	8.71E-01	0	-5.70E-01			
	nent			Nickel c	ore	kg	1.26E-01	0	0	3.02E-02	0	-6.26E-02			
	nsum			Chromium	n ore	kg	1.77E-01	0	0	4.40E-02	0	-8.85E-02			
	e Col			Manganes		kg	1.13E-01	0	0	5.39E-02	0	-1.46E-02			
	ource n the		Material	Plumbous		kg	2.00E-02	0	0	0	0	-4.70E-03			
	Rest			Tin or		kg	0	0	0	0	0	0			
							Zinc or		kg	1.97E-01	0	0	0	0	-4.62E-02
				Gold or	-	kg	0	0	0	0	0	0			
					Silver o		kg	0	0	0	0	0	0		
					Silica sa		kg	1.65E+00	0	0	1.08E-01	0	-5.63E-01		
ŝ				Rock s		kg	9.27E+00	1.93E-03	0	1.95E+00	1.24E-02	-4.32E+00			
Inventory analyses				Limesto		kg	4.18E+00	0	0	2.29E+00	1.83E-01	-1.96E+00			
ry an				Natural soc		kg	1.57E-01	0	0	0.00E+00	0	-5.55E-02			
ento		Renewable resources		Wood		kg	7.27E+00	0	0	5.51E+01	0	-2.50E+01			
lıv				Wate CO2		kg	1.19E+04 1.69E+02	3.29E+03 3.22E+01	3.24E-01 1.30E+01	2.84E+04 4.86E+02	1.49E+02 1.88E+01	-4.10E+03			
		to Atmosphere		SOx		kg	1.11E-01	2.28E-02	7.26E-03	4.00E+02 2.97E-01	1.01E-02	-9.25E+01 -5.87E-02			
				NOx		kg	2.07E-01	2.20E-02 2.21E-02	5.03E-02	6.78E-01	2.45E-02	-5.87E-02 -1.41E-01			
				N2O		kg kg	1.49E-02	2.96E-03	2.35E-02	6.67E-01	3.48E-05	-1.00E-02			
				CH4		kg	1.36E-03	6.96E-04	7.76E-08	5.51E-03	3.31E-05	-3.37E-04			
				CO		kg	2.40E-02	4.80E-03	1.09E-02	7.59E-02	5.20E-03	-1.33E-02			
				NMVO		kg	2.66E-03	1.36E-03	1.52E-07	1.08E-02	6.49E-05	-6.59E-04			
	de t			СхНу	y	kg	7.35E-03	4.95E-04	1.68E-03	1.93E-02	1.43E-04	-4.92E-03			
	charg			dust		kg	2.44E-02	9.87E-04	5.09E-03	4.80E-02	1.43E-03	-1.58E-02			
	n/Dis nviro	to Water system		BOD)	kg	-	-	-	-	-	-			
	issio the e			COD)	kg	-	-	-	-	-	-			
	to t	to Wa	ter system	N tota	al	kg	-	-	-	-	-	-			
				P tota	al	kg	-	-	-	-	-	-			
				SS		kg	-	-	-	-	-	-			
				Unspecified so		kg	1.35E+00	1.19E-02	0	1.67E+01	1.52E+01	-1.18E+00			
				Slag		kg	6.01E+00	0	0	2.81E+00	0	-3.28E+00			
		to Soi	l system	Sludge	e	kg	8.78E-01	0	0	1.87E+00	0	-1.10E+00			
				Low emis radioactive	waste	kg	3.59E-04	1.82E-04	2.03E-08	1.44E-03	8.64E-06	-9.06E-05			
	onsumption	Eve	austible	Energy reso (crude oil equ		kg	5.52E+01	1.23E+01	4.08E+00	1.52E+02	7.19E-01	-2.89E+01			
hent	by Resource Consumption		ources	Mineral reso (Iron ore equ		kg	2.44E+02	0	0	6.74E+01	0	-1.05E+02			
esn	c			Global war		kg	1.74E+02	3.30E+01	1.37E+01	5.05E+02	1.88E+01	-9.53E+01			
ass	ptio		to	(CO2 equiva Acidificati											
Impact assesment	Consum	Atm	osphere	(SO2 equiva		kg	2.56E-01	3.83E-02	4.24E-02	7.72E-01	2.72E-02	-1.58E-01			
_	Emision Consumption		Water /stem												
	by En		o Soil /stem												

[Notes for readers: EcoLeaf common rules]

I. Stage related

- A. "Production" stage is intended for two sub-stages listed below.
 - (1) "Raw material" production: consists of mining, transportation and raw material production.
- (2) "Product" production: consists of the parts processing, assembly and installation.
- B. "Distribution" stage is intended for transportation of produced product. Transportation of consumables and maintenance goods (e.g. replacement parts) for use of the product are included into "Use" stage.
- C. "Use" stage is intended for use of the product (active mode, standby mode, etc.) and production, transportation to disposal/recycle of consumables //maintenance goods (e.g. replacement parts).
- D. "Disposition/Recycle" stage is intended for environmental impacts by product disposition/recycle, and deduction by recycling (e.g. impact reduction of raw material production).
- E. "Recycle Effect" illustrates an indirect environmental influences to other products/services by use of reclaimed materials/parts, and/or by supply of used products to other businesses for material reclaim/parts reuse.
- Case 1: Use of reclaimed materials/parts: Sum of increase of environmental impact by collection activities of used materials/parts, and decrease by volume reduction of used materials/parts.
- Case 2: Supply of used products to other businesses for material reclaim/parts reuse: Sum of increase of environmental impact by materials/parts reclaiming process, and decrease by volume reduction of new materials/parts production.

II. Inventory analyses

- A. Data of mineral ore on "Exhaustible resources" are presented in weight of pure ingredients (e.g. iron, aluminum) in the ore.
- B. Data on energy resources are presented based on origin in calorific value. e.g. Data on uranium ore presents weight of uranium concentrate, which is available for use as an atomic fuel.
- C. Data of discharge to water system are in actual figure (not calculated using unit function in inventory analyses).

III. Impact analyses

Result of the "Impact analyses" is found in converting results of inventory analyses into total amount of a reference material

- (e.g. CO2 in case of "Global Warming").
- A. Impact "by resource consumption" represents magnitude of impacts to resource depletion.
- B. Impact "by emission/discharge to environment" represents magnitude of impacts to Atmosphere, Water and Soil system.

IV. Data entry format

- A. Exponential notation, after the decimal point to two, should be used.
- B. Indicate "0" instead exponential notation, if the result of calculation or estimation is considered as "zero" or negligible in comparison to related results.
- C. Indicate "-" if calculation nor estimation can not be done, in order to differentiate to indicate "zero". (BGD for material production are for production from mineral ore. Those data do not include reclaiming processes like recovery from scrap.)

[Notes for readers: Target product specific]

- A. "Raw material" in "Production" includes environmental impacts generated during mining transportation material production phases of the main body of the printer and the toner cartridge enclosed in the printer. The environmental impacts are calculated using the eco-leaf basic unit DB for calculations.
- B. "Product" in "production" includes environmental impacts of processing of the parts (injection, blow-, press- and glass-molding). The environmental impacts from the parts assembly plant which is different from the main body assembly plant (such parts are clacified in "parts C") are calculated using the eco-leaf basic unit DB for calculations.
 - The impacts from the main body assembly plant are calculated using the quantitative data on environmental impacts in our assembly plant.
- C. Regarding the basis and the basic units for calculations during distribution stages The total distance of the transportation in Japan of 100km is used according to PCR (AD-04) and the transportation overseas includes the transportation by track in China and by ship between China and Japan.
- D. Regarding the basis and the basic units for calculations during use and consumption stage
 The power consumption is measured by the TEC test procedure according to PCR (AD-04).
 653,400 sheets are printed in total during the use period of five years.
 The toner consumption is summed up over the five years from the toner consumption data per sheet using our print pattern with 5% coverage.
 The production loads and the collection & recycling impacts of the toner cartridges used over the five years are included in this stage.
- E. The recycling impacts are calculated assuming that 40% of the end-of-life printers are recovered from users according to PCR (AD-04).
- The impacts are calculated with the remaining 60% following the disposal senario as general wastes.
- F. The impacts of material production of recycled materials are included in the values with minus as a recycling effect.
- G. This declaration was produced using Product Category Rule intended for a product model sold in the Japanese market and using the qualitative and quantitative data collected in Japan.

Form3 (F-03-03)

Product data sheet

Document control no.	F-03-03	arameters for LCA	.)				p) Y
Product vendor	KONICAMINOLTA,	NC.				財品環境	
EcoLeaf registration no.	AD-19-E1100					Ref GG 3項 3月 http://www.jet	
PCR name	EP and IJ printer (PCR-ID:AD-0)4)	Product type		bizhul	b C3350i	
CA/LCIA in units o	1	Product weight[kg]	38.5	Package[kg]	5.2	Weight total[kg]	43.7

120

			1100
CA/LCIA in units o	1	Product weight[kg]	3
1. Product informat	tion (per unit): parts etc. by material and by r	process/assembl	v metho

1. Product information (per un	it): parts etc. by I	naterial and by process/assembl	y method				
	Breakdown o	primary materials		Math breakdown of pa	rts, which need to apply	Processing / Assembly B	ase Units (Parts B, C)
Material name	Weight (kg)	Material name	Weight (kg)	Process name	Weight (kg)	Process name	Weight (kg)
Ordinary steel	1.83E+01	Rubber	1.13E-01	Press molding:Iron	1.69E+01		
Stainless steel	7.98E-01	Semiconductor circuit board	1.12E+00	Press molding:Nonfe rrous metal	6.91E-01		
Aluminium	3.87E-01			Injection molding	1.55E+01		
Other metals	3.04E-01						
Glass	1.54E+00						
Thermoplastic resin	1.63E+01						
Wood	2.70E+00						
Paper	2.14E+00						
Subtotal	4.25E+01	Subtotal	1.24E+00				
	Total		4.37E+01	Subtotal	3.31E+01	Subtotal	

2. Production site information (per unit): Consumption and discharge/emission for production/processing/assembly within the site. SOx and NOx should be indicated in SO2, NO2 equivalent.

			111 00L, 110L 0qu							
- 1	c	Classification	Energy	Energy	Material	Material				
	onsumption	Distribution	Electricity	Furnace urban	Industrial	Groundwater				
	E.	Distributori	(kWh)	gas (m ³)	water(kg)	(kg)				
_	Cons	Quantity	3.23E+01	9.75E-01	3.16E+02	5.12E+01				
	0	Note								
	~ e	Classification	To Water							
	ion arg	Classification	system							
	iss Che	Distribution	Sewage(kg)							
	Emission/ Discharge	Quantity	3.32E+02							
		Note								
3.	Distr	ibution stage information	on (per unit): mea	ins, distance, loa	iding ratio, consi	umptions and em	nissions/discharg	jes.		
		Means of transportation	Freight by ship	Freight by ship	Freight by ship	Freight by ship	Diesel truck	Diesel truck	Diesel truck	Diesel truck
_	ļ						:20ton	:20ton	:20ton	:20ton
		Conditions	Load(kg•km)	Weight (kg)	Distance (km)	Loading Ratio(%w)	Load(kg•km)	Weight (kg)	Distance (km)	Loading Ratio(%w)
_	u	Quantity	2.19E+05	4.37E+01	5.00E+03	1.00E+02	2.24E+04	4.37E+01	2.59E+02	5.05E+01
	outi	Note								
_	Distribution	Means of transportation	Diesel truck	Diesel truck	Diesel truck	Diesel truck				
	õ	means or transportation	:2ton	:2ton	:2ton	:2ton				
		Conditions	Load(kg•km)	Weight (kg)	Distance (km)	Loading Ratio(%w)				
_		Quantity	1.50E+03	4.37E+01	7.50E-01	2.19E+00				
	ľ	Note								

4. Use stage (per unit): use condition (mode, term) including active mode, standby mode and maintenance.

	oduct and accessories s			-	-			-	-
L	Classification	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
Product	Distribution	Electricity (kWh)	Gasoline as fuel(kg)	Furnace urban gas (m ³)	Industrial water(kg)	Groundwater (kg)	Ordinary steel (kg)	Stainless steel (kg)	Aluminium (kg
6	Quantity	4.04E+02	2.75E-01	1.41E+01	1.68E+02	1.58E+03	8.86E+00	1.90E-01	8.24E-01
F	Note						0.002.00		0.2.2.0
	Classification	Consumption	Consumption	Consumption	Processing	Processing	Processing	Processing	
Product	Distribution	Thermoplastic resin(kg)	Paper(kg)	Rubber(kg)	Press:Iron(kg)	Press: Nonferrous(kg)	Injection molding (kg)	Blow molding (kg)	
ă _		,				,		-	
	Quantity	5.74E+01	2.33E+01	4.24E-01	8.15E+00	9.73E-01	1.23E+01	3.99E+01	
	Note								
	Classification	Assembly	To Water system						
Product	Distribution	Parts assembly (kg)	Sewage(kg)						
	Quantity	3.99E+01	1.36E+03						
	Note								
	Classification	Distribution							
Product	Distribution	Diesel truck: 10ton (kg•km)							
	Quantity	1.33E+04							
-	Note	1.552+04							
Die	position/Recycle inform	I ation on concurr	nables and repla	comont porto					
DIS	Classification								
-	Classification	Consumption	Consumption	Treatment	Treatment	Treatment	Treatment	Treatment	Treatment
Consumables	Distribution	Electricity (kWh)	Kerosene(kg)	Recycle: to iron(kg)	Recycle: to Aluminum(kg)	Recycle: to copper(kg)	Recycle: to plastics(kg)	Recycle: to Paper(kg)	Industrial waste destruction b fire(kg)
8 -	Quantity Note	2.23E+00	5.21E-02	3.62E+00	3.29E-01	0.00E+00	1.24E+01	1.15E+01	1.70E-01
-	Classification	Treaturent	Transferrent	Transferrent	Deduction	Deduction	Deduction	Deduction	Deduction
<u>ہ</u> ا	CidSSITCatiOn	Treatment	Treatment	Treatment	Deduction	Deduction	Deduction	Deduction	Deduction
Consumables	Distribution	Industrial waste inning(kg)	Waste destruction by fire(kg)	Waste inning(kg)	lron(kg)	Aluminum(kg)	Copper(kg)	Plastics(kg)	Paper(kg)
ð E	Quantity								
		1.26E-01	3.64F+01	8.67F+00	-3.62E+00	-3.29F-01	0.00E+00	-1.24E+01	-1.15E+01
-	Note	1.26E-01	3.64E+01	8.67E+00	-3.62E+00	-3.29E-01	0.00E+00	-1.24E+01	-1.15E+01
	Note			8.67E+00	-3.62E+00	-3.29E-01	0.00E+00	-1.24E+01	-1.15E+01
_		Distribution Diesel truck:	Distribution Diesel truck:	8.67E+00	-3.62E+00	-3.29E-01	0.00E+00	-1.24E+01	-1.15E+01
_	Note Classification	Distribution Diesel truck: 10ton	Distribution Diesel truck: 4ton	8.67E+00	-3.62E+00	-3.29E-01	0.00E+00	-1.24E+01	-1.15E+01
_	Note Classification Distribution	Distribution Diesel truck: 10ton (kg•km)	Distribution Diesel truck: 4ton (kg•km)	8.67E+00	-3.62E+00	-3.29E-01	0.00E+00	-1.24E+01	-1.15E+01
Consumables	Note Classification Distribution Quantity	Distribution Diesel truck: 10ton	Distribution Diesel truck: 4ton	8.67E+00	-3.62E+00	-3.29E-01	0.00E+00	-1.24E+01	-1.15E+01
Consumables	Note Classification Distribution Quantity Note	Distribution Diesel truck: 10ton (kg•km) 3.60E+03	Distribution Diesel truck: 4ton (kg•km) 4.36E+03			-3.29E-01	0.00E+00	-1.24E+01	-1.15E+01
Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in	Distribution Diesel truck: 10ton (kg•km) 3.60E+03	Distribution Diesel truck: 4ton (kg•km) 4.36E+03			-3.29E-01	0.00E+00	-1.24E+01	-1.15E+01
Consumables	Note Classification Distribution Quantity Note	Distribution Diesel truck: 10ton (kg•km) 3.60E+03	Distribution Diesel truck: 4ton (kg•km) 4.36E+03			-3.29E-01	0.00E+00	-1.24E+01	-1.15E+01
Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in Classification	Distribution Diesel truck: 10ton (kg*km) 3.60E+03	Distribution Diesel truck: 4ton (kg·km) 4.36E+03 roduct): process Consumption	method and sce Treatment	enarios Treatment	Treatment	Treatment	Treatment	Treatment
Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in	Distribution Diesel truck: 10ton (kg•km) 3.60E+03 formation (per p <u>Consumption</u> Electricity	Distribution Diesel truck: 4ton (kg•km) 4.36E+03 roduct): process	method and sce Treatment Recycle: to	enarios Treatment Recycle: to	Treatment Recycle: to	Treatment Recycle: to	Treatment Recycle: to	Treatment Recycle: to
Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in Classification	Distribution Diesel truck: 10ton (kg·km) 3.60E+03 formation (per p Consumption Electricity (kWh)	Distribution Diesel truck: 4ton (kg•km) 4.36E+03 roduct): process Consumption Kerosene(kg)	method and sco Treatment Recycle: to iron(kg)	enarios Treatment Recycle: to Aluminum(kg)	Treatment Recycle: to copper(kg)	Treatment Recycle: to Glass(kg)	Treatment Recycle: to plastics(kg)	Treatment Recycle: to Paper(kg)
Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in Classification Distribution Quantity	Distribution Diesel truck: 10ton (kg•km) 3.60E+03 formation (per p <u>Consumption</u> Electricity	Distribution Diesel truck: 4ton (kg·km) 4.36E+03 roduct): process Consumption	method and sce Treatment Recycle: to	enarios Treatment Recycle: to	Treatment Recycle: to	Treatment Recycle: to	Treatment Recycle: to	Treatment Recycle: to
Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in Classification Distribution Distribution Quantity Note	Distribution Diesel truck: 10ton (kg+km) 3.60E+03 formation (per p Consumption Electricity (kVh) 1.31E+00	Distribution Diesel truck: 4ton (kg•km) 4.36E+03 roduct): process Consumption Kerosene(kg) 3.05E-02	method and sco Treatment Recycle: to iron(kg) 7.72E+00	narios Treatment Recycle: to Aluminum(kg) 1.55E-01	Treatment Recycle: to copper(kg) 2.75E-01	Treatment Recycle: to Glass(kg) 6.17E-01	Treatment Recycle: to plastics(kg) 6.46E+00	Treatment Recycle: to Paper(kg) 2.09E+00
Consumables Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in Classification Distribution Quantity	Distribution Diesel truck: 10ton (kg·km) 3.60E+03 formation (per p Consumption Electricity (kWh) 1.31E+00 Treatment	Distribution Diesel truck: 4ton (kg·km) 4.36E+03 roduct): process Consumption Kerosene(kg) 3.05E-02 Treatment	method and sco Treatment Recycle: to iron(kg) 7.72E+00 Treatment	narios Treatment Recycle: to Aluminum(kg) 1.55E-01 Treatment	Treatment Recycle: to copper(kg)	Treatment Recycle: to Glass(kg)	Treatment Recycle: to plastics(kg)	Treatment Recycle: to Paper(kg)
Consumables Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in Classification Distribution Distribution Quantity Note	Distribution Diesel truck: 10ton (kg·km) 3.60E+03 formation (per p Consumption Electricity (ktWh) 1.31E+00 Treatment Incineration: Industrial	Distribution Diesel truck: 4ton (kg+km) 4.36E+03 4.36E+03 consumption Kerosene(kg) 3.05E-02 Treatment Landfill: Industrial	method and scc Treatment Recycle: to iron(kg) 7.72E+00 Treatment Incineration to landfill (as	narios Treatment Recycle: to Aluminum(kg) 1.55E-01 Treatment Landfill: General	Treatment Recycle: to copper(kg) 2.75E-01	Treatment Recycle: to Glass(kg) 6.17E-01 Deduction Aluminium	Treatment Recycle: to plastics(kg) 6.46E+00	Treatment Recycle: to Paper(kg) 2.09E+00
Consumables Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in Classification Distribution Quantity Note Classification Distribution	Distribution Diesel truck: 10ton (kg+km) 3.60E+03 formation (per p Consumption Electricity (kWh) 1.31E+00 Treatment Incineration: Industrial waste(kg)	Distribution Diesel truck: 4ton (kg+km) 4.36E+03 roduct): process Consumption Kerosene(kg) 3.05E-02 Treatment Landfill: Industrial waste(kg)	method and sco Treatment Recycle: to iron(kg) 7.72E+00 Treatment Incineration to landfill (as ash)(kg)	enarios Treatment Recycle: to Aluminum(kg) 1.55E-01 Treatment Landfill: General waste(kg)	Treatment Recycle: to copper(kg) 2.75E-01 Deduction Iron(kg)	Treatment Recycle: to Glass(kg) 6.17E-01 Deduction Aluminium (kg)	Treatment Recycle: to plastics(kg) 6.46E40 Deduction copper(kg)	Treatment Recycle: to Paper(kg) 2.09E+00 Deduction Glass(kg)
Consumables	Note Classification Distribution Quantity Note osition/Recycle stage ir Classification Distribution Quantity Note Classification Distribution Quantity Note Quantity Quantity Quantity	Distribution Diesel truck: 10ton (kg·km) 3.60E+03 formation (per p Consumption Electricity (ktWh) 1.31E+00 Treatment Incineration: Industrial	Distribution Diesel truck: 4ton (kg+km) 4.36E+03 4.36E+03 consumption Kerosene(kg) 3.05E-02 Treatment Landfill: Industrial	method and scc Treatment Recycle: to iron(kg) 7.72E+00 Treatment Incineration to landfill (as	narios Treatment Recycle: to Aluminum(kg) 1.55E-01 Treatment Landfill: General	Treatment Recycle: to copper(kg) 2.75E-01 Deduction	Treatment Recycle: to Glass(kg) 6.17E-01 Deduction Aluminium	Treatment Recycle: to plastics(kg) 6.46E+00 Deduction	Treatment Recycle: to Paper(kg) 2.09E+00 Deduction
Consumables Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in Classification Distribution Quantity Note Classification Distribution Quantity Note	Distribution Diesel truck: 10ton (kg-km) 3.60E+03 formation (per p Consumption Electricity (kWh) 1.31E+00 Treatment Inclueration: Industrial waste(kg) 3.20E-01	Distribution Diesel truck: 4ton (kg-km) 4.36E+03 roduct): process Consumption Kerosene(kg) 3.05E-02 Treatment Landfill: Industrial waste(kg) 1.08E-01	method and sco Treatment Recycle: to iron(kg) 7.72E+00 Treatment Incineration to landfill (as ash)(kg) 1.28E+01	narios Treatment Recycle: to Aluminum(55E-01 Treatment Landfill: General waste(kg) 1.32E+01	Treatment Recycle: to copper(kg) 2.75E-01 Deduction Iron(kg)	Treatment Recycle: to Glass(kg) 6.17E-01 Deduction Aluminium (kg)	Treatment Recycle: to plastics(kg) 6.46E40 Deduction copper(kg)	Treatment Recycle: to Paper(kg) 2.09E+00 Deduction Glass(kg)
Consumables Consumables	Note Classification Distribution Quantity Note osition/Recycle stage ir Classification Distribution Quantity Note Classification Distribution Quantity Note Quantity Quantity Quantity	Distribution Diesel truck: 10ton (kg+km) 3.60E+03 formation (per p Consumption Electricity (kWh) 1.31E+00 Treatment Incineration: Industrial waste(kg)	Distribution Diesel truck: 4ton (kg+km) 4.36E+03 roduct): process Consumption Kerosene(kg) 3.05E-02 Treatment Landfill: Industrial waste(kg)	method and sco Treatment Recycle: to iron(kg) 7.72E+00 Treatment Incineration to landfill (as ash)(kg)	enarios Treatment Recycle: to Aluminum(kg) 1.55E-01 Treatment Landfill: General waste(kg)	Treatment Recycle: to copper(kg) 2.75E-01 Deduction Iron(kg)	Treatment Recycle: to Glass(kg) 6.17E-01 Deduction Aluminium (kg)	Treatment Recycle: to plastics(kg) 6.46E40 Deduction copper(kg)	Treatment Recycle: to Paper(kg) 2.09E+00 Deduction Glass(kg)
Consumables Consumables Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in Classification Distribution Quantity Note Classification Distribution Quantity Note	Distribution Diesel truck: 10ton (kg-km) 3.60E+03 formation (per p Consumption Electricity (kWh) 1.31E+00 Treatment Inclueration: Industrial waste(kg) 3.20E-01	Distribution Diesel truck: 4ton (kg-km) 4.36E+03 roduct): process Consumption Kerosene(kg) 3.05E-02 Treatment Landfill: Industrial waste(kg) 1.08E-01	method and sco Treatment Recycle: to iron(kg) 7.72E+00 Treatment Incineration to landfill (as ash)(kg) 1.28E+01 Distribution Distribution Distribution	enarios Treatment Recycle: to Aluminum(ju) 1.55E-01 Treatment Landfill: General waste(kg) 1.32E+01 Distribution Distribution Distribution	Treatment Recycle: to copper(kg) 2.75E-01 Deduction Iron(kg)	Treatment Recycle: to Glass(kg) 6.17E-01 Deduction Aluminium (kg)	Treatment Recycle: to plastics(kg) 6.46E40 Deduction copper(kg)	Treatment Recycle: to Paper(kg) 2.09E+00 Deduction Glass(kg)
Consumables Consumables Consumables	Note Classification Distribution Quantity Note osition/Recycle stage in Classification Distribution Quantity Note Classification Distribution Quantity Note Classification Distribution Quantity Note Classification Distribution Distribution Distribution Distribution Distribution Distribution	Distribution Diesel truck: 10ton (kg+km) 3.60E+03 Consumption Electricity (kWh) 1.31E+00 Treatment Incineration: Indiustrial waste(kg) 3.20E-01 Deduction Plastics(kg)	Distribution Diesel truck: 4ton (kg*km) 4.36E+03 roduct): process Consumption Kerosene(kg) 3.05E-02 Treatment Landfill: Industrial waste(kg) 1.08E-01 Deduction Paper(kg)	method and sco Treatment Recycle: to iron(kg) 7.72E+00 Treatment Incineration to landfill (as ash)(kg) 1.28E+01 Distribution Distribution Distribution (kg+km)	enarios Treatment Recycle: to Aluminum(kg) 1.55E-01 Treatment Landfill: General waste(kg) 1.32E+01 Distribution Distribution Distribution (kg+km)	Treatment Recycle: to copper(kg) 2.75E-01 Deduction Iron(kg)	Treatment Recycle: to Glass(kg) 6.17E-01 Deduction Aluminium (kg)	Treatment Recycle: to plastics(kg) 6.46E40 Deduction copper(kg)	Treatment Recycle: to Paper(kg) 2.09E+00 Deduction Glass(kg)
Consumables Consumables	Note Classification Distribution Quantity Note Osition/Recycle stage in Classification Distribution Quantity Note Classification Distribution Quantity Note Classification	Distribution Diesel truck: 10ton (kg·km) 3.60E+03 Formation (per p Consumption Electricity (kt/h) 1.31E+00 Treatment Incineration: Industrial waste(kg) 3.20E-01 Deduction	Distribution Disesel truck: 4ton (kg·km) 4.36E+03 roduct): process Consumption Kerosene(kg) 3.05E-02 Treatment Landfill: Industrial waste(kg) Deduction Deduction	method and sco Treatment Recycle: to iron(kg) 7.72E+00 Treatment Incineration to landfill (as ash)(kg) 1.28E+01 Distribution Distribution Distribution	enarios Treatment Recycle: to Aluminum(ju) 1.55E-01 Treatment Landfill: General waste(kg) 1.32E+01 Distribution Distribution Distribution	Treatment Recycle: to copper(kg) 2.75E-01 Deduction Iron(kg)	Treatment Recycle: to Glass(kg) 6.17E-01 Deduction Aluminium (kg)	Treatment Recycle: to plastics(kg) 6.46E40 Deduction copper(kg)	Treatment Recycle: to Paper(kg) 2.09E+00 Deduction Glass(kg)

6. Others A. Product information:

All the parts mass per unit sorted by materials and by processes/assembly are included. The motor mass is included in ordinary steel.

B. Production site information:

The energy consumption & material use during the main body assemby and cartridge & toner shipment are included.

The environmental impacts that are exhausted from the production site in the atmosphere and the water system are included. C. Distribution stage information:

The total distance of the transportation in Japan of 100km is used according to PCR (AD-04) and the transportation overseas

includes the transportation by track in China and by ship between China and Japan. D. Product and accessories subject to this analysis:

The power consumption is calculated assuming the use period of five years and 653,400 sheets printed during the use period according to the PCR (AD-04). The toner consumption is summed up over the five years from the toner consumption data per sheet using our print pattern with 5% coverage.

The production impacts of the cartridges and toner used during the use period of five years are included. The impacts of the maintenance parts used and the transportation impacts of the maintenace during the use period of five

- years are included in this stage.
- E. Disposal/Recycle information on the consumables and the maintenance parts during use stage:

The recycling information of the toner, the developer, the drums and the maintainance parts used during the use period of five years are included .

The recycling processing impacts are included as plus and the production impacts of the recycled materials are included as minus.

Treatment of copper and deduction of copper include copper of " assembled circuit board". Incineration of assembled circuit board is included "Incineration: Industrial waste".

- F. Disposal/Recycle stage information:
- The information on the products recovered from users is included.

The recycling processing impacts are included as plus and the production impacts of the recycled materials are included as minus.

Treatment of copper and deduction of copper include copper of " assembled circuit board". Incineration of assembled circuit board is included "Incineration: Industrial waste". G.This declaration was produced using Product Category Rule intended for a product model sold in the Japanese market and

A. This declaration was produced using Product Category Rule intended for a product model sold in the Japanese market and using the qualitative and quantitative data collected in Japan.