

## [Supplemental environmental information]

Certified Environmental Standards

International Energy Star Program

PCR review was conducted by PCR Deliberation Committee, January 01,2008, Name of reprentative : Youji Uchiyama, University of Tsukuba, Graduate School

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\* 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)

Document control no. F-02B-03								Unit Fu	nction DB version	2.1	and the second se	ECO	
									Factor DB version	2.1		LEALS	
EcoLeaf registration no. AD-17-E855							,			<b></b> -1		<mark>と品環境情報</mark> p://www.jemai.or.jp	
	PCF	Rna	ame		EP and IJ print	or	Product type		hi	zbub C38511			
		R-		-			Product weight[kg]	bizhub C3851FS 53.1 Package[kg] 8.9 Weight total[kg] 62.0					
	5.0								i dokugo[kg]	0.0	Wolght total[tg]	02.0	
In/O	Life Cycle Stage Unit Raw material						Produ Raw material	Product	Distribution	Use	Disposal	Recycle	
	MJ 4 18E+					4.18E+03	5.98E+02	2.27E+02	2.06E+04	4.36E+01	-3.95E+03		
	Energy Consumption				9.98E+02	1.43E+02	5.42E+01	4.91E+03	1.04E+01	-9.42E+02			
				Coa	Coal		3.48E+01	3.67E+00	5.30E-04	1.22E+02	2.23E-01	-3.71E+01	
			Energy	Cru	ide oil (as a fuel)	kg	3.74E+01	4.73E+00	4.96E+00	1.53E+02	4.88E-01	-2.95E+01	
			Linoigy		ural Gas	kg	7.74E+00	2.65E+00	7.65E-02	5.67E+01	1.16E-01	-4.84E+00	
				-	nium ore	mg	7.09E-04	2.48E-04	3.59E-08	3.99E-03	1.51E-05	-2.00E-04	
					Crude oil (as an ingredients)	kg	1.64E+01	0	0	8.34E+01	0	-2.50E+01	
					Iron ore	kg	2.80E+01	0	0	6.94E+01	0	-3.90E+01	
					Copper ore	kg	9.13E-01	0	0	7.38E-02	0	<u>-3.21E-01</u>	
	u #	ω		-	Bauxite	kg	8.25E-01	0	0	2.38E+00	0	-1.28E+00	
	umpti	Exhaustible		-	Nickel ore Chromium ore	kg	1.10E-01 1.57E-01	0	0	1.21E-01 1.88E-01	0	-9.24E-02	
	Const nviro.	Exhau	Dep	-	Manganese ore	kg kg	1.57E-01	0	0	3.88E-01	0	-1.38E-01 -4.10E-02	
	the et		Material		Plumbous ore	kg kg	3.63E-01	0	0	0	0	-1.14E-02	
	Resource Consumption from the environment				Tin ore	kg	0	0	0	0	0	0	
	œ				Zinc ore	kg	3.57E-01	0	0	0	0	-1.12E-01	
					Gold ore	kg	0	0	0	0	0	0	
					Silver ore	kg	0	0	0	0	0	0	
					Silica sand	kg	1.68E+00	0	0	8.71E-01	0	-6.81E-01	
s					Rock salt	kg	8.17E+00	2.24E-04	0	4.76E+00	1.78E-02	-4.90E+00	
alyse				<u> </u>	Limestone	kg	5.89E+00	0	0	1.47E+01	2.66E-01	<u>-6.56E+00</u>	
Inventory analyses					Natural soda ash Wood	kg	1.42E-01 1.29E+01	0	0	3.83E-03 1.32E+02	0	-4.63E-02	
vento		Renewable resources			Water	kg kg	1.71E+04	2.87E+03	4.01E-01	6.04E+02	1.84E+02	<u>-5.81E+01</u> -8.11E+03	
Ē					CO2	kg	2.31E+02	3.25E+01	1.61E+01	1.07E+03	2.66E+01	-1.98E+02	
					SOx	kg	1.52E-01	2.24E-02	8.89E-03	6.39E-01	1.42E-02	-1.16E-01	
					NOx	kg	2.85E-01	2.31E-02	6.06E-02	1.39E+00	3.47E-02	-2.64E-01	
					N2O	kg	1.91E-02	3.44E-03	2.93E-03	1.22E-01	4.54E-05	-1.68E-02	
		to At	to Atmosphere		CH4	kg	1.88E-03	6.63E-04	9.60E-08	1.06E-02	4.03E-05	-5.13E-04	
					со	kg	3.81E-02	4.93E-03	1.27E-02	2.10E-01	7.38E-03	-3.30E-02	
					NMVOC	kg	3.68E-03	1.30E-03	1.88E-07	2.08E-02	7.89E-05	<u>-1.00E-03</u>	
	nent				CxHy	kg	9.65E-03	7.28E-04	2.06E-03	3.94E-02	2.02E-04	<u>-8.89E-03</u>	
	/Discl				dust BOD	kg	3.28E-02	9.55E-04	6.19E-03	1.09E-01	2.03E-03	<u>-3.09E-02</u>	
	Emission/Discharge to the environment			H	COD	kg kg	_	_	_	_	_	_	
	Emis to th	to W	ater system	-	N total	kg		_	-		_		
		to water system			P total	kg	-	-	-	-	-	-	
					SS	kg	-	-	-	-	-	-	
				Uns	pecified solid waste	kg	1.84E+00	1.02E-03	0	6.43E+01	2.18E+01	-2.52E+00	
					Slag	kg	8.95E+00	0	0	2.13E+01	0	-1.16E+01	
		to S	oil system		Sludge	kg	1.33E+00	0	0	5.11E+00	0	-2.58E+00	
				r	Low emission adioactive waste	kg	4.96E-04	1.73E-04	2.51E-08	2.79E-03	1.05E-05	-1.40E-04	
	nsumption	Evi	auetiki-	(cr	Energy resources rude oil equivalent)	kg	7.49E+01	1.23E+01	5.05E+00	3.32E+02	8.93E-01	-6.08E+01	
ment	by Resource Consumption		naustible sources	N	lineral resources on ore equivalent)	kg	3.17E+02	0	0	2.48E+02	0	-1.94E+02	
ses	ion				Global warming (CO2 equivalent)	kg	2.36E+02	3.34E+01	1.69E+01	1.10E+03	2.66E+01	-2.03E+02	
Impact assesment	sumpt	Atn	to nosphere		Acidification (SO2 equivalent)	kg	3.52E-01	3.85E-02	5.13E-02	1.61E+00	3.85E-02	-3.01E-01	
mps	Con												
	Emision Consumption		o Water system										
	by Em		to Soil system										

[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.)

\* 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.

#### [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). 866,400 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.

	Proc	duct data sheet				5	
	(	Input data and parameters for LC	A)			R	:0 N
Document control no.					LBA	$\mathbf{P}^{+}$	
Product vendor	KO	NICAMINOLTA, INC.				製品環境	B +B 8G
EcoLeaf registration no.		AD-17-E855				https://www.j	
PCR name	EP and IJ printer	(PCR-ID:AD-04)	Product type		bizhub	C3851FS	
LCA/LCIA in units of:	1	Product weight[kg		Package[kg]	8.9	Weight total[kg]	62.0
Material name	Weight (kg)	Material name	Weight (kg)	Process name	Weight (kg)	Process name	Weight (kg
Product information (per unit):	parts etc. by material and Breakdown of primar	d by process/assembly method				y Processing / Assembly B	ana Unita (Dasta D
Ordinary steel	2.67E+01	Rubber	2.31E-01	Press	2.45E+01		
,	2.072.01		2.012 01	molding:lron	2.402.01		
<b>.</b>				Press			
Stainless steel	6.91E-01	Semiconductor circuit board	1.71E+00	molding:Nonfe rrous metal	1.29E+00		
Aluminium	5.84E-01			Injection	2.10E+01		
Other metals	7.01E-01						
Glass	1.19E+00						
Thermoplastic resin	2.19E+01						
Wood	4.30E+00						
Paper	4.02E+00						
Subtotal	6.01E+01	Subtotal	1.94E+00				
	Total		6.20E+01	Subtotal	4.68E+01	Subtotal	

1.94E+00 6.20E+01 Subtotal 4.68E+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.

Sox and Nox should be indicated in SO2, NO2 equivalent.									
E	Classification	Energy	Energy	Material	Material				
ptic	Distribution	Electricity	Furnace urban	Industrial	Groundwater				
Engle State	Distribution	(kWh)	gas (m <sup>3</sup> )	water(kg)	(kg)				
Consumption	Quantity	1.26E+01	1.03E+00	2.72E+01	6.42E+01				
0	Note								
	Classification	To Water							
Emission/ Discharge	Classification	system							
cha	Distribution	Sewage (kg)							
Ei Ei	Quantity	3.87E+01							
	Note								
3. Distribu	Distribution stage information (per unit): means, distance, loading ratio, consumptions and emissions/discharges.								
	Means of transportation	Facilities has able	Diesel truck	Diesel truck					
tion	Wearis of transportation	Freight by ship	:20ton	:2ton					
Distribution	Conditions	Load(kg · km)	Load(kg•km)	Load(kg · km)					
Dis	Quantity	2.73E+05	2.68E+04	1.50E+03					
	Note								

4. Use stage (per unit): use condition (mode, term) including active mode, standby mode and maintenance. 4.1 Product and accessories subject to this analysis

Operation         Original Section         Operation	4.1 Produ	ict and accessories subject to the	lis analysis							
Operation         Twel(kg)         ass (m)         water(kg)         (kg)		Classification	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
Open Processing         Construction         (kWh)         fue(kg)         gas (m <sup>2</sup> )         water(kg)         (kg)	5	Distribution	Electricity	Gasoline as	Furnace urban	Industrial	Groundwater	Ordinary steel	Stainless steel	
Understand         D.S.G.E.4/2         1./SEP00         2.4/E+01         4.3GEP01         2.3/E+01         7.3GEP01         7.3GEP01         2.3/E+01         7.3GEP01         2.3/E+01         7.3GEP01         2.3/E+01         2.3/E+01         7.3GEP01         2.3/E+01         7.3GEP01         2.3/E+01         7.3GEP01	npo.	Distribution	(kWh)	fuel(kg)	gas (m <sup>3</sup> )	water(kg)	(kg)	(kg)		Aluminium (kg)
Understand         Consumption         Consumption         Processing         Proce	۲.	Quantity	6.83E+02	1.76E+00	2.47E+01	4.55E+01	2.57E+03	6.67E+01	7.59E-01	2.25E+00
Understand         Origination         Origination <thorigination< th=""> <thorigination< th=""></thorigination<></thorigination<>		Note								
Verticity         Classification         resin(kg)         Press:mon(kg)         Nonterroug(kg)         molding(kg)         (kg)         assembly(kg)           Verticity         0.uanity         8.66E+01         5.70E+01         1.15E+00         8.40E+01         2.67E+00         5.02E+00         6.11E+01         6.11E+01           Note		Classification	Consumption	Consumption	Consumption	Processing	Processing	Processing	Processing	Assembly
Undaminy         0.00E         3.70E+01         1.10E+00         0.40E+01         2.07E+00         0.20E+00         0.11E+01         0.11E+01           Noie         To Water system         To Water system         To Water system         1.10E+00         0.40E+01         2.07E+00         0.11E+01	oduct	Distribution		Paper(kg)	Rubber (kg)	Press:Iron(kg)				
Very Production         To Water system         To Water system         Image: Classification         To Water system           Distribution         Sewage(kg)         Image: Classification         Sewage(kg)         Image: Classification	۲.	Quantity	8.66E+01	5.70E+01	1.15E+00	8.40E+01	2.67E+00	5.02E+00	6.11E+01	6.11E+01
Mode         Sewage (kg)         Image: classification         Sewage (kg)         Image: classification         Sewage (kg)         Image: classification         Ima		Note								
Quantity         1.71E+03         Image: Classification         Distribution         Teatment         Treatment         Treatment         Treatment         Treatment         Treatment         Treatment         Industrial waste distriction         Distribution		Classification								
Note         Note         Distribution         Treatment         Recycle: to Industrial waste         R	Produc									
Classification         Distribution         Treatment         Treatment         Treatment         Treatment         Treatment         Treatment         Industrial waste inning(kg)         Industrial waste inning(kg)         Distribution         Distribution         State-00         7.76E-02         2.70E+01         9.02E-01         2.04E+01         2.61E+01         8.44E-01         2.09E-01           0         Outantify         3.54E+00         7.76E-02         2.70E+01         Deductio			1.71E+03							
Image: space of the system         Distribution         Treatment         Treatment         Treatment         Treatment         Treatment         Treatment         Industrial waste inning(kg)           0         Distribution         Electricity (kWh)         Kerosene(kg)         Recycle: to iron(kg)         Recycle										
Bits         Distribution         Freight by ship (kg+km)         20ton (kg+km)         10ton (kg+km)         10ton         10		Classification	Distribution	Distribution	Distribution					
Quantity         1.61E+05         1.07E+05         1.91E+04         Image: Construction of the second se	Product	Distribution		20ton	10ton					
Note         Note         Image: Classification         Consumption         Consumption         Treatment         Treatment         Treatment         Treatment         Treatment         Treatment         Treatment         Treatment         Treatment         Image: Classification         Image: Classification         Consumption         Consumption         Treatment         Treatment         Treatment         Treatment         Treatment         Treatment         Treatment         Image: Classification         Image: Classification         Image: Classification         Consumption         Consumption         Treatment         Treatment         Treatment         Treatment         Image: Classification         Image: Classification         Image: Classification         Image: Classification         Treatment         Treatment         Deduction         Deduction         Deduction         Deduction         Deduction         Deduction         Deduction         Deduction         Deduction         Paper(kg)         Paper(kg) </td <td>_</td> <td>Quantity</td> <td>1.61E+05</td> <td>1.07E+05</td> <td>1.91E+04</td> <td></td> <td></td> <td></td> <td></td> <td></td>	_	Quantity	1.61E+05	1.07E+05	1.91E+04					
Classification         Consumption         Consumption         Treatment         Industrial waste         Industrial waste </td <td></td> <td>Note</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Note								
Image: second	4.2 Dispo	sition/Recycle information on co	onsumables and	replacement pa	rts	•				
Segure         Distribution         Electricity (kWh)         Kerosene(kg) (kWh)         Recycle: to iron(kg)         Recycle: to Aluminum(kg)         Recycle: to plastics(kg)         Recycle: to Paper(kg)         Industrial waste destruction by fire(kg)         Industrial waste inning(kg)           0         Ouanity         3.54E+00         7.76E-02         2.70E+01         9.02E-01         2.04E+01         2.61E+01         8.44E-01         2.09E-01           Note         Treatment         Deduction         Deduction         Deduction         Deduction         Deduction         0           Quantity         7.06E+01         4.73E+01         -2.70E+01         -9.02E-01         -2.04E+01         -2.61E+01         -           Note         Instribution         Distribution         Distribution         Distribution         -2.70E+01         -9.02E-01         -2.04E+01         -2.61E+01         -           Note         Instribution         Distribution         Distribution         Distribution         -2.70E+01         -9.02E-01         -2.04E+01         -2.61E+01         -           Note         Distribution         Distribution         Distribution         Distribution         -         -         -         -           Ouanity         9.43E+03         1.09E+04         -		Classification	Consumption	Consumption	Treatment	Treatment	Treatment	Treatment	Treatment	Treatment
Note         Deduction	nsumables	Distribution		Kerosene(kg)			Recycle: to	Recycle: to	destruction by	
Observation     Treatment     Treatment     Deduction     Deduction     Deduction       0     Distribution     Waste destruction by fire(kg)     Waste inning(kg)     Iron(kg)     Aluminum(kg)     Plastics(kg)     Paper(kg)       0     Ouanity     7.06E+01     4.73E+01     -2.70E+01     -9.02E-01     -2.04E+01     -2.61E+01       Note     Distribution     Distribution     Distribution     Distribution     0     0       0     Distribution     Distribution     Distribution     0     0     0       0     Distribution     Distribution     0     0     0       0     Ouanitity     9.43E+03     1.09E+04     0     0	õ	Quantity	3.54E+00	7.76E-02	2.70E+01	9.02E-01	2.04E+01	2.61E+01	8.44E-01	2.09E-01
Bit         Distribution         Waste destruction by fire(kg)         Distribution         Distribution by fire(kg)         Value (kg·km)         Iron(kg)         Aluminum(kg)         Plastics(kg)         Paper(kg)           Quantity         7.06E+01         4.73E+01         -2.70E+01         -9.02E-01         -2.04E+01         -2.61E+01           Note		Note								
Note         Image: Classification         Distribution         Distribution         Distribution         Image: Classification         Image: Classification <thi< td=""><td></td><td>Classification</td><td>Treatment</td><td>Treatment</td><td>Deduction</td><td>Deduction</td><td>Deduction</td><td>Deduction</td><td></td><td></td></thi<>		Classification	Treatment	Treatment	Deduction	Deduction	Deduction	Deduction		
Note         Image: Classification         Distribution         Distribution         Distribution         Image: Classification         Image: Classification <thi< td=""><td>sumables</td><td>Distribution</td><td></td><td></td><td>lron(kg)</td><td>Aluminum(kg)</td><td>Plastics(kg)</td><td>Paper(kg)</td><td></td><td></td></thi<>	sumables	Distribution			lron(kg)	Aluminum(kg)	Plastics(kg)	Paper(kg)		
Classification         Distribution         Distribution         Distribution           0         Distribution         Disel truck: 10ton (kg·km)         Disel truck: 4ton (kg·km)         Disel truck: 4ton	Cor	Quantity	7.06E+01	4.73E+01	-2.70E+01	-9.02E-01	-2.04E+01	-2.61E+01		
Operating         Distribution         Dissoluture: 10ton         Dissoluture: 4ton         Dissoluture: 4ton           Quantity         9.43E403         1.09E404		Note								
		Classification	Distribution	Distribution						
	nsumables	Distribution	10ton	4ton						
Note	Co	Quantity	9.43E+03	1.09E+04						
		Note								

### 5. Disposition/Recycle stage information (per product): process method and scenarios

ş	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 Glass(kg)	Recycle: to plastics(kg)	Recycle: to Paper(kg)
Suo	Quantity	1.13E+00	2.46E-02	1.11E+01	2.34E-01	5.13E-01	4.77E-01	8.66E+00	3.56E+00
0	Note								
	Classification	Treatment	Treatment	Treatment	Treatment	Deduction	Deduction	Deduction	Deduction
Consumables	Distribution	Incineration: Industrial waste(kg)	Landfill: Industrial waste(kg)	Incineration to landfill (as ash)(kg)	Landfill: General waste(kg)	lron(kg)	Aluminium (kg)	copper(kg)	Glass(kg)
S	Quantity	5.26E-01	1.50E-01	1.82E+01	1.88E+01	-1.11E+01	-2.34E-01	-5.13E-01	-4.77E-01
	Note								
	Classification	Deduction	Deduction	Distribution	Distribution				
Consumables	Distribution	Plastics(kg)	Paper(kg)	Diesel truck: 10ton (kg•km)	Diesel truck: 4ton (kg•km)				
Õ	Quantity	-8.66E+00	-3.56E+00	3.00E+03	3.62E+03				
	Note								

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 866,400 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.

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.

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.