

[Supplemental environmental information]

● Conformed to the International ENERGY STAR® Program Ver3.0.

Manufactured at ISO14001 certified factories.

Plastic housing and outer package: halogenated flame retardants are not used.

PCR review was conducted by : PCR Deliberation Committee,January 01,2008,Name of reprentative : Youji Uchiyama, Independent verification of the declaration and data, according to ISO14025:2006 □internal ■external Third party verifier: < name of the third party verifier \*> Hiroo Sakazaki Programme operatorSustainable Management Promotion Organization ecoleaf@sumpo.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  ${\rm I\!I\!I}$  category.

# Product Environmental Information Data Sheet (PEIDS)



Unit Function DB version

Characterization Factor DB version

Document control no.	F-02Bs-02
Product vendor	KYOCERA Document Solutions Inc.
EcoLeaf registration no.	AD-19-E1171

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	PCR name	EP and IJ Printer		Product type	TASKalfa 7003i				
	PCR code	AD-04	Product weight (kg)	153.6	Package (kg)	38.3	Weight total (kg)	191.9	

Induct items         Out         Ray matching         Product         Use         Displaying         Ray and second secon	_		_		Life Cycle Stage		Produ	uction				Recycle
Understand         Mul         125E+04         174E+03         427E+02         271E+04         190E+02         1.47E+03           Image: Strain Constraints         Med         225E+03         415E+02         1.02E+02         648E+03         452E+01         3.50E+03           Image: Strain Constraints         Med         225E+03         415E+02         1.02E+02         648E+03         452E+01         452E+02         542E+01         452E+01         1.02E+02         642E+01         0.72E+02         542E+01         1.02E+02         542E+01         0         4.52E+01         0         0         2.44E+01         0         4.52E+01         0         0         2.44E+01         0         4.52E+01         0         0         0         0         0	In/Or	it iton				Unit			Distribution	Use	Disposition	
Model         Model         Z.506+33         4.19E+102         1.02E+02         6.49E+03         4.55E+01         3.50E+03           V         Model         Model         Model         Model         Model         1.15E+02         1.24E+01         9.32E+00         2.31E+02         3.54E+00         1.32E+02           V         Model         Model         Model         Model         1.11E+02         1.42E+01         9.32E+00         2.31E+02         3.54E+00         1.32E+02           V         Model	III/OL	u nen	115									
Vert         Moal         2.99E+03         4.10E+02         1.02E+02         0.94E+04         1.32E+01         -3.00E+03           Image: State of the st			Er	nerav C	Consumption	-						
Normal         Normal<		-										
End         Ling         Ling <thling< th=""> <thling< th=""> <thling< th="">         Lin</thling<></thling<></thling<>				urces								
Image: second				resol								
Sector         Clude oil (for material)         kg         4.67E+011         0         0         7.91E+011         0         4.7817+011           Current of an ore         kg         2.68E+011         0         0         2.44E+011         0         4.28E+011         0         4.28E+011         0         4.28E+011         0         4.28E+011         0         4.48E+011         0         0         0         4.38E+01         0<				ergy								
Open set				Ë								
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		ы										
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		pti	ŝ									
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		Ē	e S									
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		ารเ	Ino									
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		5	es	S								
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		0	<u>ت</u>	ĕ								
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		ğ	idi	no								
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		no	lst	es								
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		es	าลเ	- E								
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		Ř		ers			1.30E+00			2.97E-01	-	-3.93E+00
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		q		lin								-
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox		act		2			U			Ŭ		v
All         Linnestone         kg         1.98E+01         0         0         4.70E+00         1.31E+00         -1.94E+01           Vertice         Matural soda ash         kg         2.72E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.65E+01           Water         kg         5.5E+01         0         0         1.69E+02         0         -1.69E+02           Water         kg         5.7EE+01         0         0         1.6E+03         4.69E+01         -7.53E+02           Water         kg         4.77E-01         7.39E+02         1.73E+02         9.71E-01         3.17E-02         -6.74E+01           Nox         kg         4.77E-01         7.39E+02         1.73E+02         1.74E+01         2.66E+04         -7.53E+02           Nox         kg         5.38E+03         2.25E+03         1.64E+02         1.44E+00         2.01E+01         -1.44E+02         -1.49E+03           Nox         kg         5.38E+03         2.25E+03         3.54E+07         3.22E+02         2.45E+03         -1.64E+02         4.94E+05         -1.49E+03           Nox	S	ğ										
Box         Ng         4.772-01         7.392-02         7.742-02         5.772-01         5.772-02         7.742-02         5.772-01         7.742-02         7.742-02         7.742-02         7.742-02         7.742-01         7.742-02         7.752E-02         7.752E-02           u         v         v         v         g         7.772E-02         7.742-02         7.742-02         7.752E-02	/se	<u> </u>			Halite	kg						
Box         Ng         4.772-01         7.392-02         7.742-02         5.772-01         5.772-02         7.742-02         5.772-01         7.742-02         7.742-02         7.742-02         7.742-02         7.742-01         7.742-02         7.752E-02         7.752E-02           u         v         v         v         g         7.772E-02         7.742-02         7.742-02         7.752E-02	ai.				Limestone	kg					1.51E+00	
Box         Ng         4.772-01         7.392-02         7.742-02         5.772-01         5.772-02         7.742-02         5.772-01         7.742-02         7.742-02         7.742-02         7.742-02         7.742-01         7.742-02         7.752E-02         7.752E-02           u         v         v         v         g         7.772E-02         7.742-02         7.742-02         7.752E-02	ar				Natural soda ash	kg	2.72E-01			1.69E-02		-1.65E-01
Box         Ng         4.772-01         7.392-02         7.742-02         5.772-01         5.772-02         7.742-02         5.772-01         7.742-02         7.742-02         7.742-02         7.742-02         7.742-01         7.742-02         7.752E-02         7.752E-02           u         v         v         v         g         7.772E-02         7.742-02         7.742-02         7.752E-02	ry			-	Wood	kg		U U			v	-1.99E+02
Box         Ng         4.772-01         7.392-02         7.742-02         5.772-01         5.772-02         7.742-02         5.772-01         7.742-02         7.742-02         7.742-02         7.742-02         7.742-01         7.742-02         7.752E-02         7.752E-02           u         v         v         v         g         7.772E-02         7.742-02         7.742-02         7.752E-02	nto			Frank	Water	kg	4.99E+04	9.52E+03	7.54E-01	9.82E+04	2.30E+02	-3.76E+04
Box         Ng         4.772-01         7.392-02         7.742-02         5.772-01         5.772-02         7.742-02         5.772-01         7.742-02         7.742-02         7.742-02         7.742-02         7.742-01         7.742-02         7.752E-02         7.752E-02           u         v         v         v         g         7.772E-02         7.742-02         7.742-02         7.752E-02	ve	int			CO2	kg	7.03E+02	9.70E+01	3.03E+01	1.16E+03	4.69E+01	-7.53E+02
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0	L L	me		a)	Sox	kg	4.77E-01		1.73E-02	9.71E-01	3.17E-02	-6.94E-01
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		uo.		ere	Nox	kg	8.18E-01	5.94E-02	1.24E-01	1.44E+00	2.01E-01	-1.15E+00
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		įŽ	-	hq		kg	5.68E-02			1.04E-01	2.66E-04	-7.52E-02
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		e		SO		kg	5.33E-03	2.25E-03	1.81E-07	1.64E-02	4.94E-05	-1.49E-03
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		the		Ę	CO	kg	1.07E-01	1.43E-02	2.84E-02	2.45E-01	6.43E-02	-1.54E-01
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		to		₹ Q	NMVOC	kg	1.04E-02	4.41E-03	3.54E-07	3.22E-02	9.68E-05	-2.91E-03
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		ge		¥	СхНу	kg	2.80E-02	2.71E-04	4.01E-03	3.40E-02	3.15E-03	-3.64E-02
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		hai				kg	9.67E-02		1.23E-02	1.06E-01	1.24E-02	-1.31E-01
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		isc	ещ	ain		kg	-	1.50E-02	-	-	-	-
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		Q/	syste	mo			-	-	-	-	-	-
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		sior	er s	erd	N total	kg	-	-	-	-	-	-
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		liss	Wat	Wat	P total	kg	-	-	-	-	-	-
A         B         Unspecified Solid Waste         kg         5.61E+00         3.57E-03         0         4.02E+01         7.63E-04         -1.12E+01           Slag         kg         3.14E+01         0         0         7.77E+00         0         -3.89E+01           Sludge         kg         5.64E+00         0         0         1.70E+01         0         -2.26E+01           Low level ratio-active waste         kg         1.41E-03         5.88E-04         4.72E-08         4.32E-03         1.29E-05         -4.41E-04           Mineal resources (runo or equivalent)         kg         2.26E+02         3.65E+01         9.49E+00         4.49E+02         4.19E+00         -2.36E+02           Mineal resources (runo or equivalent)         kg         1.00E+03         0         0         4.69E+02         0         -2.36E+02           See         Global Warming (CO2 equivalent)         kg         1.00E+03         0         0         -2.74E+03           See         Global Warming (CO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           See         See         See         0         0         0         0         0         0		Ш	to \	to		kg	-	-		-	-	-
Image: Section of the sectio		by		me	Unspecified Solid Waste	kg						
Image: Section of the sectio		Ict		syst		kg		•			v	
Image: Section of the sectio		edu		Soil	Sludge	kg						
B         C         Mineral resources (iron ore equivalent)         Kg         1.00E+03         0         0         4.69E+02         0         -2.14E+03           Mineral resources (iron ore equivalent)         Kg         1.00E+03         0         0         4.69E+02         0         -2.14E+03           Mineral resources (iron ore equivalent)         Kg         7.19E+02         9.74E+01         3.18E+01         1.19E+03         4.70E+01         -7.74E+02           Acidification (SO2 equivalent)         Kg         1.05E+00         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           Ocone Depletion (CFC-11 equivalent)         Kg         0		١n		to ()	Low level radio-active waste	kg						
Global Warming (CO2 equivalent)         kg         7.19E+02         9.74E+01         3.18E+01         1.19E+03         4.70E+01         -7.74E+02           Acidification (SO2 equivalent)         kg         1.05E+00         1.15E-01         1.04E-01         1.98E+00         1.72E-01         -1.50E+00           Ozone Depletion (CFC-11 equivalent)         kg         0         0         0         0         0           Photochemical Oxidant         kg         5.52E-02         3.31E-03         6.64E-03         7.03E-02         6.38E-03         -6.93E-02	ent	≥ Se			Energy resources (crude oil equivalent)	kg						
Total         Conce Depletion (CFC-11 equivalent)         kg         O	me	d R		Downed I	Mineral resources (Iron ore equivalent)	kg		•	•		-	
Total         Conce Depletion (CFC-11 equivalent)         kg         O	ess	ornert		ere	Global Warming (CO2 equivalent)	kg	7.19E+02	9.74E+01	3.18E+01	1.19E+03	4.70E+01	-7.74E+02
Total         Conce Depletion (CFC-11 equivalent)         kg         O	ISSI	toenin	Sphe		Acidification (SO2 equivalent)	kg	1.05E+00	1.15E-01	1.04E-01	1.98E+00	1.72E-01	-1.50E+00
B         Photochemical Oxidant         kg         5.52E-02         3.31E-03         6.64E-03         7.03E-02         6.38E-03         -6.93E-02           E         Eutrophication (Phosphate equivalent)         kg         0 </td <td>cte</td> <td>0 scharge</td> <td>Ozone Depletion (CFC-11 equivalent)</td> <td>kg</td> <td>U</td> <td>U</td> <td>U</td> <td>v</td> <td>0</td> <td>U</td>	cte	0 scharge			Ozone Depletion (CFC-11 equivalent)	kg	U	U	U	v	0	U
E f Eutrophication (Phosphate equivalent) kg 0 0 0 0 0 0	pa	mich (		to /	Photochemical Oxidant	kg	5.52E-02	3.31E-03			6.38E-03	
	E	pà (Jui		a tin anyo	Eutrophication (Phosphate equivalent)	kg	0	0	0	0	0	0

[Notes for readers: Ecol eaf 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]

1.We include package and attached articles, such as CD-ROM, operation manual in the product weight. Toner container as standard is included in the use stage, not in the product weight,

2. Production stage: Environmental impacts on main product, toner supplied with and drum are included in this stage. Production of main product is included as China production. Toner and drum are included as Japan production. 3. Transportation stage: Marine transport distance of a main product is 2.600km and domestic transport distance based on PCR provisions is 100km.

4.Use stage: Based on PCR provision, impact on 2,940,000 sheets monochrome printing by user for five years is considered.

5.Disposal/Recycle: We have calculated on the basis of a performance-based recycle scenario.

This declaration was produced using Product Category Rule intended for a product model sold in the Japanese market and using the gualitative and guantitative data collected in Japan

# Product data sheet







	PCR name		er(PCR-ID:AD-04)	Product t	уре				ASKalfa	a 7003i	
LCA/	LCA/LCIA in units of:		1 Unit F		ht (kg) 153.6 Packa		ige (kg)	38.3	Weight total (kg)	191.9	
1. Produ	. Product information (per unit): parts etc. by material and by process/assembly method										
	Br	eakdown of p	Math breakdown of parts, which need to apply Processing / Assembly Base Units (Parts B, C)								
	Material name	Weight (kg)	Material name	Weight (kg)	P	Process name		Weight	(kg)	Process name	Weight (kg)
	Carbon steel(kg)	8.56E+01	Rubber (kg)	2.26E-01	Press	Press molding:Iron (kg)		8.77E+	01 P	arts assembly (kg)	1.92E+02
	SUS (kg)	2.02E+00	Paper (kg)	1.40E+01	Press molding:Nonferrous metal (kg)		5.41E+	00			
÷	Cu (kg)	3.07E+00	Wood (kg)	2.10E+01	Injection molding (kg)		5.12E+	01			
duct	Al (kg)	2.48E+00	Assembled circuit board (kg)	4.70E+00	Blo	w molding (	(kg)	1.17E-	01		
2	Other metals (kg)	3.62E-02	Medium-sized motor (kg)	5.60E+00	Gla	ss molding	(kg)	1.86E+	00		
₽.	Glass (kg)	1.86E+00									
	Thermoplastics resin (kg)	5.06E+01									
	Thermosetting resin (kg)	6.82E-01									
	Subtotal	1.46E+02	Subtotal	4.55E+01							
		Total		1.92E+02		Subtotal		1.46E-	-02	Subtotal	1.92E+02

Note

# 2. Production site information (per unit): Consumption and discharge/emission for production/processing/assembly within the site.

SOx and NOx should be indicated in SO<sub>2</sub>, NO<sub>2</sub> equivalent.

ion	Classification	Energy	Material	Energy	Energy		
umpt	Distribution	Electricity (kWh)	Industrial water (kg)	Heavy oil as fuel (kg)	Gasoline as fuel (kg)		
Insuo	Quantity	1.79E+01	9.46E+01	1.20E-01	1.38E-03		
Co	Note						
arge	Classification	Water system					
Disch	Distribution	BOD					
sion/	Quantity	1.50E-02					
Emis	Note						

Note

## 3. Distribution stage information (per unit): means, distance, loading ratio, consumptions and emissions/discharges.

u	Means of transportation	Diesel truck:10 ton (kg·km)	Freight by ship (kg·km)						
uti	Conditions	Mass(kg)	Distance (km)	Loading Ratio(%w)	Load(kg·km)	Mass(kg)	Distance (km)	Loading Ratio(%w)	Load(kg·km)
strib	Quantity	1.92E+02	1.00E+02	3.45E+01	5.56E+04	1.92E+02	2.60E+03	1.00E+02	4.99E+05
Dis	Note								
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

	Classification	Process	Consumption	Consumption	Process	Process	Process	Process	Process
	Distribution	Diesel truck:2 ton (kg·km)	Electricity (kWh)	Industrial water (kg)	Injection molding (kg)	Blow molding (kg)	Parts assembly (kg)	Press molding:Iron (kg)	Press molding:Nonferrous metal (kg)
	Quantity	4.91E+04	1.34E+03	1.83E+00	4.19E+01	1.36E-01	1.53E+02	2.18E+01	7.29E+00
	Note								
	Classification	Process	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
roduct	Distribution	Glass molding (kg)	Carbon steel(kg)	SUS (kg)	Cu (kg)	Al (kg)	Other metals (kg)	Glass (kg)	Thermoplastics resin (kg)
Proc	Quantity	1.14E-01	2.14E+01	2.13E+00	3.77E-01	7.48E+00	1.45E-01	1.14E-01	1.03E+02
	Note								
	Classification	Consumption	Consumption	Consumption	Consumption	Consumption			
	Distribution	Thermosetting resin (kg)	Rrubber (kg)	Paper (kg)	Assembled circuit board (kg)	Medium-sized motor (kg)			
	Quantity	9.66E-01	5.09E-01	7.94E+01	2.96E-01	1.38E+00			
	Note								

Note

### 4.2 Disposition/Recycle information on consumables and replacement parts

	Classification	Process	Process	Process	Process	Process	Process	Process	Deduction
	Distribution	Shredding (kg)	Recycle:to copper plate (kg)	Recycle:to Thermoplastic pellet (kg)	Recycle to corrugated cardboard (kg)	Recycle:to cold-rolled steel (kg)	Recycle:to Aluminum plate (kg)	Recycle:to Glass (kg)	Carbon steel(kg)
les	Quantity	1.54E+02	2.05E+00	4.10E+01	7.94E+01	2.37E+01	7.48E+00	1.14E-01	2.14E+01
mabl	Note								
ns	Classification	Deduction	Deduction	Deduction	Deduction	Deduction	Deduction	Deduction	
Con	Distribution	SUS (kg)	Cu (kg)	AI (kg)	Other metals (kg)	Glass (kg)	Thermoplastics resin (kg)	Paper (kg)	
	Quantity	2.13E+00	2.05E+00	7.48E+00	1.45E-01	1.14E-01	4.10E+01	7.94E+01	
	Note								
Note									

Note

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

	Classification	Process	Process	Process	Consumption	Process	Process	Process	Process
	Distribution	Diesel truck:10 ton (kg·km)	Diesel truck:2 ton (kg·km)	Incineration: Industrial waste (kg)	Electricity (kWh)	Shredding (kg)	Recycle:to cold-rolled steel (kg)	Recycle:to copper plate (kg)	Recycle:to Aluminum plate (kg)
	Quantity	2.22E+04	4.91E+04	2.33E+01	2.00E-01	1.70E+02	8.77E+01	1.34E+01	2.48E+00
	Note								
0	Classification	Process	Process	Process	Deduction	Deduction	Deduction	Deduction	Deduction
Scenario	Distribution	Recycle:to Thermoplastic pellet (kg)	Recycle to corrugated cardboard (kg)	Recycle:to Glass (kg)	Carbon steel(kg)	SUS (kg)	Cu (kg)	Al (kg)	Other metals (kg)
cer	Quantity	5.06E+01	1.40E+01	1.86E+00	8.56E+01	2.02E+00	1.34E+01	2.48E+00	3.62E-02
S	Note								
	Classification	Deduction	Deduction	Deduction					
	Distribution	Glass (kg)	Thermoplastics resin (kg)	Paper (kg)					
	Quantity	1.86E+00	5.06E+01	1.40E+01					
	Note								
Note									

6. Others

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.