Product environmental attributes – THE ECO DECLARATION

The declaration may be published only when all rows and/or fields marked with an * are filled-in (n.a. for not applicable).
Additional information regarding each item may be found under P14.

Brand *	***brother***	**Logo**
Company name *	***Brother International Europe***	
Contact information *	***Stephen Kimber*** ***steve.kimber@brother.co.uk***	
Internet site *	***www.brother.com***	
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	***Electrographic Multifunction Printer***
Commercial name *	***MFC-8890DW***
Model number *	***MFC-8890DW***
Issue date *	***03/Mar/2010***
Intended market *	☒ **Global** ☐ **Europe** ☐ **Asia, Pacific & Japan** ☐ **Americas** ☐ **Other**
Additional information	

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

Quality Control		**Requirement met**	
Item		Yes	No
QC1 *	The company enforces an internal quality control scheme to ensure the correctness of this eco declaration	☒	☐
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality control such as organized by IT-Företagen (see www.itecodeclaration.org).	☒	☐

Model number *	***MFC-8890DW***		
Issue date *	***03/Mar/2010***	**Logo**	

Product environmental attributes - Legal requirements		**Requirement met**		
Item		Yes	No	n.a.
P1	**Hazardous substances and preparations**			
P1.1*	Products do not contain lead max 0.1%, cadmium max 0.01%, mercury max 0.1%, hexavalent chromium max 0.1%, polybrominated biphenyls (PBB) max 0.1% and polybrominated diphenyl ethers (PBDE) max 0,1% (see legal reference and Note 1).	☒	☐	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	☒	☐	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	☒	☐	
P1.4*	Products do not contain polychlorinated biphenyl (PCB) max 0.005% by weight, polychlorinated terphenyl (PCT) max 0.005% by weight (see legal reference).	☒	☐	
P1.5*	Products do not contain short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP max 0.1% (see legal reference).	☒	☐	
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS), Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). Comment: Legal reference has no maximum concentration values.	☐	☐	☒
P1.7*	Textile and leather parts with direct skin contact do not contain Azo colorants that split aromatic amines max 0.003% by weight (see legal reference and Note 1).	☐	☐	☒
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (see legal reference). Comment: Legal reference has no maximum concentration values.	☐	☐	☒
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm2/week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:1998.	☐	☐	☒
P2	**Batteries**			
P2.1*	If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is provided in user manual. (See legal reference)	☒	☐	☐
P2.2*	Button cells used in the product do not contain more than 2% by weight of mercury. Other batteries or accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference)	☐	☐	☒
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the design of the product). Exception: Batteries that are permanently installed for safety, performance, medical or data integrity reasons do not have to be “easily removable”. (See legal reference)	☒	☐	☐
P3	**Safety, EMC connection to the telephone network and labeling**			
P3.1*	The product complies with legally required safety standards as specified (see legal reference).	☒	☐	☐
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).	☒	☐	☐
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for radio and telecommunication devices (see legal reference).	☒	☐	☐
P3.4*	The product is labeled to show conformance with applicable legal requirements (see legal reference).	☒	☐	☐
P4	**Consumable materials**			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (see legal reference and Note 1).	☒	☐	☐
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).	☒	☐	☐
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the product/packaging is adequately labeled and a Safety Data Sheet (SDS/MSDS) in accordance with these requirements (see legal reference).	☒	☐	☐
P5	**Product packaging**			
P5.1*	Packaging and packaging components do not contain lead, mercury, cadmium and hexavalent chromium max 0.01% by weight of these together.	☒	☐	
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	☒	☐	☐
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	☒	☐	☐

Note 1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %.

Model number *	***MFC-8890DW***		
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Product environmental attributes - Market requirements - Environmental conscious design		**Requirement met**		
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P6	**Treatment information**			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	☒	☐	☐
P7	**Design** **Disassembly, recycling**			
P7.1*	Parts that have to be treated separately are easily separable	☒	☐	☐
P7.2*	Plastic materials in covers/housing have no surface coating.	☒	☐	☐
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.	☒	☐	☐
P7.4*	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.	☒	☐	☐
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	☒	☐	☐
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	☒	☐	☐
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	☒	☐	☐
P7.8*	Upgrading can be done using commonly available tools	☒	☐	☐
P7.9.	*Spare parts are available after end of production for: 7 years*			☐
P7.10	*Service is available after end of production for: 7 years*			☐
	Material and substance requirements			
P7.11*	Product cover/housing material type: Material type: ***PS-HI*** Material type: ***PC+ABS(FR40)*** Material type:			
P7.12	Electrical cable insulation material of power cables are halogen free (including PVC). (See Note 1)	☐	☒	☐
P7.13	Electrical cable insulation material of signal cables are halogen free (including PVC). (See Note 1)	☐	☒	☐
P7.14	All cover/housing plastic parts >25g are halogen free. (See Note 1)	☒	☐	☐
P7.15	All printed circuit boards (without components) >25g are halogen free. (See Note 2)	☐	☒	☐
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking:	☒	☐	☐
P7.17	Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) ☐, TBBPA (reactive) ☐, Other; chemical name: , CAS #: Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4:	☐	☐	☐
P7.18	Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. 1. Chemical name: , CAS #: 2. Chemical name: , CAS #: 3. Chemical name: , CAS #: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: ***FR(17) FR(40)***	☒	☐	☐
P7.19	Of total plastic parts' weight >25g, recycled material content is **%**.			
P7.20	Of total plastic parts' weight >25g, biobased material content is **%**.			
P7.21	Light sources are free from mercury If mercury is used specify: Number of lamps: ***1*** and max. mercury content per lamp: ***2.5*** mg	☐	☐	☐
P8	**Batteries**			
P8.1*	Battery chemical composition: ***NiMH***			☐
P8.2	Batteries meet the requirements of the following voluntary program/s: ***91/157/EEC***			☐

Note 1 For cables, covers & housing plastic parts and plastic packaging materials in this standard; halogens include fluorine, chlorine, bromine, and iodine.

Note 2 In accordance with JPCA-ES-01; printed wiring boards must not contain more than 0.09% by weight (900ppm) of chlorine or bromine.

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Product environmental attributes - Market requirements (continued)					**Requirement met**
Item					Yes No n.a.
P9	**Energy consumption**				
9.1	For the product the following power levels or energy consumptions have been measured:				
Energy mode *	Power level at **100** V AC	Power level at **115** V AC	Power level at **230** V AC	Reference / Standard for energy modes and test method *	☐
Printing	W	W	***680*** W		☐
Ready	W	W	***85*** W		☐
Sleep	W	W	***19*** W		☐
	W	W	W		☐
	W	W	W		☐
	W	W	W		☐
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	W	W	W		☐
PTEC * Typical Energy Consumption	W	W	***1080*** W		☐
TEC * Typical Energy Consumption	kWh/week	kWh/week	***4.081*** kWh/week		☐
Default time to enter energy save mode: ***5*** minutes					☐
P9.2*	Information about the energy save function is provided with the product.				☒ ☐ ☐
P9.3*	The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version ***1.1*** Tier: Others specify:				☒ ☐ ☐ ☐ ☐ ☒
P10	**Emissions**				
	Noise emission – Declared according to ISO 9296				
P10.1	Mode	Mode description	Declared A-weighted sound power level L_{WAd} (B)	Declared A-weighted sound pressure level L_{pAm} (dB): Operator position ☐, Desktop ☐ or Desk side ☐; Bystander positions ☐ (only if product is not operator attended)	
	Idle	* ***Ready***	* ***4.02***		☐
	Operation	* ***Copying***	* ***6.54***		☐
	Other mode				
	Measured according to: ☒ ISO7779 ☐ ECMA-74 ☐ Other (only if not covered by ECMA-74 with L_{pAm} measurement distance m)				
P10.2	The product meets the acoustic noise requirements of the following voluntary program/s: ***RAL-UZ122***				☐ ☐ ☐
	Chemical emissions from printing products				
P10.3*	Test performed according to ECMA-328 (ISO/IEC 28360) standard ☐, other specify: ***RAL-UZ122***				☐ ☐ ☐
P10.4	Typical emission rate (print phase) is (mg/h): Dust Ozone Styrene Benzene TVOC				☐
P10.5	Chemical emission requirements of the following voluntary program/s are met for : Dust ☒ Ozone ☒ Styrene ☒ Benzene ☒ TVOC ☒				☐ ☐ ☐
	Electromagnetic emissions				
P10.6	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s:				☐ ☐ ☒

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Product environmental attributes - Market requirements (continued)		**Requirement met**		
Item		Yes	No	n.a.
P11	**Consumable materials for printing products**			
P11.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	☒	☐	☐
P11.2*	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281.	☒	☐	☐
P11.3*	2-sided (duplex) printing/copying is an integrated product function.	☒	☐	☐
P12	**Ergonomics for computing products**			
P12.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	☐	☐	☒
P12.2*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.	☐	☐	☒
P12.3*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.	☐	☐	☒
P13	**Packaging and documentation**			
P13.1*	Product packaging material type(s): ***PAPER*** weight (kg): ***2.9*** Product packaging material type(s): ***PS*** weight (kg): ***0.9*** Product packaging material type(s): weight (kg):			
P13.2*	Product plastic packaging is halogen free (including PVC). (See Note 1)	☒	☐	☐
P13.3*	Specify media for user and product documentation (tick box): Electronic ☒ Paper ☒ Other ☐			☐
P13.4*	For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber. ***0*%**			☐
P14	**Additional information**			

NOTE
Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Note 1 For cables, covers & housing plastic parts and plastic packaging materials in this standard; halogens include fluorine, chlorine, bromine, and iodine.

Legal references Europe Annex B

Reference	Declaration item
2002/95/EC (ROHS Directive)	P1.1, P4.1
76/769/EEC (Marketing and Use Directive)	P1.6, P1.8, P4.2
amendment 89/677/EEC	P1.4
amendment 1999/77/EC	P1.2
amendment 2003/3/EC	P1.7
amendment 94/27/EEC	P1.9
Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000	P1.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
2006/66/EC (Battery and accumulators Directive)	P2.1, P2.2, P2,3, P3.4, P8.1
2006/95/EC (Low Voltage Directive)	P3.1, 3.4
2004/108/EEC (New EMC Directive)	P3.2, 3.4
1999/5/EC (R&TTE Directive)	P3.3, 3.4
“REACH" Regulation (1907/2006), annex VII	P4.2
1999/45/EC (Dangerous Preparations Directive)	P4.3
2001/58/EC (Directive on Safety Data Sheets)	P4.3
2004/12/EC (Directive on packaging and packaging waste)	P5.1
(97/129/EC) (Commission Decision on Identification System for Packaging Materials	P5.2
2037/2000/EC Regulation on Substances that Deplete the Ozone Layer	P5.3
2002/96/EC (WEEE directive)	P3.4, P6.1