



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	brothor
Contact information *	Stephen Kimber steve.kimber@brother.co.uk	at your side
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 Multifunctional Device		
Commercial name *	MFC-8220		
Model number *	MFC-8220		
Issue date *	28/Dec./2011		
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	Requirem	ent met	
Item		Yes	No
QC1 *	The company enforces an internal quality control scheme to ensure the correctness of this eco declaration	\boxtimes	
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).	\boxtimes	

Product environmental attributes - Legal requirements Requirement m	Model number *		MFC-8220		-			
Item Yes No. n. PH Hazardous substances and preparations P1.1* Products do not contain lade max 0.1%, cadmium max 0.0%, mercury max 0.1%, hexavalent chromium and 0.1%, (see legal reference and New 1). Image: Control (Control (Cont) (Control (Control (Cont) (Control (Cont) (Control (C	Issue dat	e *	28/Dec./2011	Logo				
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P1 Hazardous substances and preparations P1.1* Products do not contain lead mas 0.1%, cadmium mas 0.01%, mercury mas 0.1%, hexavalent chronium mas 0.1% (see legal reference and ^{Maxi}). P1.2* Products do not contain Absents (see legal reference), Comment: Legal reference and ^{Maxi}). P1.3* Products do not contain Absents (see legal reference), Comment: Legal references has maximum concentration value. P1.3* Products do not contain Absents (see legal reference). Comment: Legal reference has no maximum concentration value. P1.4* Products do not contain publichioriated biphenyl (PCB) mas 0.005% by weight, polychlorinated terphenyl (PCD mas 0.005% by weight, polychlorinated terphenyl (PCD mas 0.005% by weight, polychlorinated terphenyl (PCD mas 0.005% by weight segl reference). P1.4* Products do not contain polychlorinated biphenyl (PCB) mas 0.005% by weight, polychlorinated terphenyl (PCD) max 0.005% by weight segl reference). P1.5* Products do not contain soft chain chieroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at at least 48% per mas of chilorine in the SCCP max 0.1% (see legal reference). Comment: Legal reference has no maximum concentration values. P1.7* Textle and leather parts with direct skin contat do not contain Aco colorants that spit aromatic amines max 0.03% by weight (see legal reference). Comment: Legal reference has no maximum concentration values. P1.7* Textle and leather partst with direct skin contatot do not contain Aco colora								n.a.
P1.1* Products do not contain near da 10%, cadmium max 0.01%, mercury max 0.1%, hexavalent chromium max 0.1% (see legal reference) and ¹⁶⁶⁰ / ₁ . P1.2* Products do not contain Absetsics (see legal reference), Comment: Legal reference has no maximum concentration value. P1.3* Products do not contain Cance Depleting Subtances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrobromofluorocarbons (HCFC), Halons, carboniterandhoride, 1,1,1- trichforethane, methyl bromide (see legal reference). Comment: Legal reference). P1.4* Products do not contain polycholionated biphenyl (PCB) max 0.005% by weight, polycholinated terphenyl (PCT) max 0.005% by weight, foe legal reference). P1.5* Products do not contain polycholionated biphenyl (PCB) max 0.005% by weight, polycholinated terphenyl (PCT) max 0.005% by weight (see legal reference). P1.6* Tastile and leather parts with direct skin contact on contain Tn+(2.3, dibtormopropyl)-phosphate (TRIS), TTr6<(axindinyl)-phosphinexide (TEA), polytorminated biphenyl (PCB) geal reference). P1.7* Tastile and leather parts with direct skin contact do not contain Azo colorants that split aromatic amines max 0.03% by weight (see legal reference). P1.7* Partise and leather parts with direct skin contact do not contain Azo colorants that split aromatic amines max 0.03% by weight (see legal reference). P1.7* Tastile and leather parts with direct skin contact do not contain Azo colorants that split aromatic amines max 0.03% by weight (see legal reference). Comment: Legal reference has no maximum concentration values. P1.8* Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 mitcorgarm/cm.2week (see legal reference). Comment: Legal reference bas no transitic and contomin as a wood preservation treatment as well as pertachlorophenol and derivatives (see legal reference). Comment: Legal reference has no transitic and releas inckel in concentrations above 0.5 mitcorgarm/cm.2week (see legal reference). Comment: Legal reference bas no ta	P1	Hazardous substances and preparations						
P1.2* Products do not contain Asbestos (see legal reference). Image: Comment: Legal reference has no maximum concentration value. P1.3* Products do not contain Ozone Depleting Substances: Chlorofluorocathons (CFC). Image: Chlorofluorocathons (HEFC). Image: Chlorofluorocathons (HEFC). 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). Image: Chlorofluorocathons (HEFC). P1.4* Products do not contain short chain chloroparafilis (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). Image: Chlorofluoroparatilis (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). Comment: Legal reference has no maximum concentration values. Image: Chlorofluoroparatilis (SCCP) with 10-13 carbon atoms in the chain contain maximum concentration values. P1.5* Textile and leather parts with direct skin contact do not contain Tr-(2,3, dibromopropyl)-phosphate (TRIS), Tris-(azindinyl-phosphines/ckin Carbon Alor 1). Image: Chlorofluoroparatilis (SCCP) with (PSB) (see legal reference). Comment: Legal reference has no maximum concentration values. Image: Chlorofluoroparatilis (SCCP) with 10-13 carbon atoms about 0.3% of weight (see legal reference). P1.9* Patteries Image: Chlorofluoroparatilis (SCCP) weight (PSB) (see legal reference). Comment: Legal reference ha	P1.1*	max 0.1%, polybrominated biphenyls (PBB) max 0.1% and polybrominated diphenyl ethers (PBDE) max						
P1.3* Products do not contain Ozone Depleting Substances: Chlorofluorocathons (CFC), Image: Chlorofluorocathons (HEC) P1.4* Products do not contain polychlorinated biphenyl (PCB) max 0.005% by weight, polychlorinated terphenyl Image: Chlorofluorocathons (HCFC), Hadroshlorofluorocathons (HCFC), Hadroshlorofluorohylorovelaline (HCFC), Hadroshlorofluorohylorofluorohyloro	P1.2*	Products	s do not contain Asbestos (see legal reference).		[\mathbf{X}		
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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-(azindinyl)-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 pertachlorophenol and derivatives (see legal reference). Comment: Legal reference has no maximum concentration values. P1.9' Parts with direct and prolonged skin contact do not centrations 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) P2.3' Buttori 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 acadmum. (See legal reference). P3.3 The product complies with legally required standards for releativy performance, medical or d		(PCT) m	ax 0.005% by weight (see legal reference).					
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	P5.1*			lent chrom	ium	\square		
P5.2* Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	P5.2*			reference).	\boxtimes		
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.	P5.3*	Protocol	(see legal reference).	Montreal				

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

Issue date ' 28/Dec/2011 Logo Product environmental attributes - Market requirements - Environmental conscious design Requirement mettales Image: Second Seco	Model number *		MFC-8220						
Item **mandatory to fill in Additional information regarding each item may be found under P14. Yes No. n.a. P6 Treatment Information Importance Importance Importance P7 Design Design Importance Importance Importance Importance P7.1 Parts that have to be treated separately are easily separable Importance	Issue date *		28/Dec./2011	Logo					
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P61 Information for recycles/treatment facilities is available (see legal reference). Image: Construction of the construction	Product environmental attributes - Market requirements - Environmental conscious design Requireme						t met		
P6.1* Information for recyclers/treatment facilities is available (see legal reference). Image: Comparison of the image: Comparison of									
P7 Design Design P7.1* Parts that have to be treated separately are easily separable Image: Control of Con									
Disasembly, recycling P71.1* Pats that have to be treated separately are easily separable P7.2* Plastic materials in covers/housing have no surface coating. P7.3* Plastic pats >100g consist of one material or of easily separable materials. P7.4* Plastic pats are free from metal inlays or have inlays that can be removed with commonly available tools. P7.4* Plastic pats 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). P7.6* Upgrading can be done e.g. with processor, memory, cards or drives P7.7.* Upgrading can be done e.g. with processor, memory, cards or drives P7.9. Spare parts are available after end of production for. 7 years P7.10* Product cover/housing material type: ABS Material type: PC/PS P1.2* P1.2* P1.4* <li< td=""><td></td><td colspan="8"></td></li<>									
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P7.8' Upgrading can be done using commonly available tools Image: Construction for 7 years P7.9 Spare parts are available after end of production for 7 years Image: Construction for 7 years P7.10 Service is available after end of production for 7 years Image: Construction for 7 years P7.11 Product cover/housing material type: Material type: PS-HI Material type: PC/PS P7.12 Electrical cable insulation material of power cables are halogen free (including PVC). (See Note 1) Image: Construction for 7 years P7.13 Electrical cable insulation material of signal cables are halogen free (including PVC). (See Note 1) Image: Construction for 7 years P7.14 All cover/housing plastic parts >25g are halogen free. (See Note 1) Image: Cover/housing plastic parts >25g are halogen free. (See Note 2) Image: Cover/housing plastic parts >25g are halogen free. (See Note 2) Image: Cover/housing for for Covers / housings are marked according ISO 1043-4: Image: Cover/housing for Covers / housings are marked according ISO 1043-4: Image: Cover/housing for Covers / housings are marked according ISO 1043-4: Image: Cover/housing for Cover/hous	P7.7*								
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P7.21 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: NiMH									
If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries Eastery chemical composition: NIMH Image: Composition in the image: Compositin in the image: Composition in the image: C									
P8 Batteries P8.1* Battery chemical composition: NIMH	P7.21			ma					
P8.1* Battery chemical composition: <i>NiMH</i>	P8			ing					

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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Produc	ct environmental	attributes - Market	requirements (o	continued)	Requirement r	net
Item					Yes No	n.a.
P9	Energy consump					
9.1	For the product the	e following power level	s or energy consun	nptions have beer	n measured:	
Energy I	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 *	
Operati	on	W	W	400 W	ENERGY STAR Version1.1	
Ready		W	W	75 W	ENERGY STAR Version1.1	〒
Sleep m	node	W	W	9 W	ENERGY STAR Version1.1	一
		W	W	W		一
		W	W	W		Ē
		W	W	W		⊢
EPS No	-load	W	W	W		
(Externa charger	al power supply / plugged in the wall ut disconnected from					
PTEC * Typical I	Energy Consumptior	W	W	W		\square
TEC * Typical I	Energy Consumptior	kWh/week	2.35 kWh/week	2.31 kWh/wee	k	
Default t	time to enter energy	save mode: 5 minutes				
P9.2*		the energy save function		the product.		H
P9.3*	The product meets ENERGY STAR® Others specify:	the energy requireme version <i>1.1</i> Tier:	ents of the following	voluntary prograr	n/s:	
P10	Emissions					
		Declared according to	o ISO 9296	- · · ·		
P10.1	Mode I	Mode description		Declared A-weighted sound power	Declared A-weighted sound pressure level L_{pAm} (dB)	
				level L_{WAd} (B)	Operator position Bystander positions	
				WAd ()	Desktop (only if product is not	
					or Desk side operator attended)	
	Idle	Ready		* 4.20		
	Operation *	Copying		* 6.18		
	Other mode					
	Measured accordin	Other RAL-	UZ85 (only if not co		74 with L _{pAm} measurement distance m)	
P10.2						
P10.3*	Chemical emissions from printing products					
P10.3	Test performed according to ECMA-328 (ISO/IEC 28360) standard , other specify: <i>RAL-UZ85</i>					
F 10.4		Dust Ozone	Styrene	Benzene	TVOC	
P10.5	Chemical emission	requirements of the fe	,		are met for :	늼
			Dust 🔀	Ozon	e 🖂 Styrene 🔀	
	Benzene TVOC					
P10.6	Electromagnetic emissions 10.6 Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary Image: Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary					
r 10.0	program/s:	neets the requirement	nor low frequency	electromagnetic fi		\boxtimes

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Produc	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 requi	ired (see	P4.3).	\boxtimes			
P11.2*	Paper co EN1228	ontaining post-consumer recycled fibers can be used, provided that it meets the required.	uirements	of	\boxtimes			
P11.3*	2-sided (duplex) printing/copying is an integrated product function.			\square			
P12	Ergonor	nics for computing products						
P12.1*	A Safety	Data Sheet (SDS) is available for the ink/toner preparation, even if not legally requi	ired (see	P4.3).			\times	
P12.2*	The disp	lay meets the ergonomic requirements of ISO 9241-307 for visual display technolog	gies.				\times	
P12.3*	The phys	sical input device meets the requirements of ISO 9995 and ISO 9241-410.					\square	
P13	Packagi	ng and documentation						
P13.1*	Product	packaging material type(s):PAPERweight (kg):2.27packaging material type(s):PSweight (kg):0.5packaging material type(s):HDPEweight (kg):0.07						
P13.2*								
P13.3*	Specify r Electroni	nedia for user and product documentation (tick box): ic Paper 🛛 Other 🗌						
P13.4*	* For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber. 0%							
P14	Additior	nal 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
1	