



THE ECO DECLARATION

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 * | EUBIEEnvironmentalGroup@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 * | All In One Electro-Photographic Printer |
| Commercial name * | MFC-1815R |
| Model number * | MFC-1815R |
| Issue date * | 21/July/2015 |
| Intended market * | <input type="checkbox"/> Global <input type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Other (Russia) |
| 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 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 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). | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

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| Model number * | MFC-1815R | |
| Issue date * | 21/July/2015 | Logo |

| Product environmental attributes - Legal requirements | | Requirement met | | |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Item | | Yes | No | n.a. |
| P1 | Hazardous substances and preparations | | | |
| P1.1* | Products do not contain more than; 0.1% lead, 0.01% cadmium, 0.1% mercury, 0.1% hexavalent chromium, 0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| P1.2* | Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| P1.3* | Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| P1.4* | Products do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated terphenyl (PCT) in preparations (see legal reference). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| P1.5* | Products do not contain more than 0.1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 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. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P1.7* | Textile and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split aromatic amines. (See legal reference and Note B1) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P1.9* | Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:1998. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P1.10* | REACH Article 33 information about substances in articles is available at (add URL or mail contact): www.brother.eu/reach | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P3.2* | The product complies with legally required standards for electromagnetic compatibility (see legal reference). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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). | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P3.4* | The product is labeled to show conformance with applicable legal requirements (see legal reference). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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 B1). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P4.2* | If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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) in accordance with these requirements is available (see legal reference). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P5 | Product packaging | | | |
| P5.1* | Packaging and packaging components do not contain more than 0.01% lead, mercury, cadmium and hexavalent chromium by weight of these together. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| P5.2* | Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note B1: Restriction applies to the homogeneous material, unless other specified and expressed in weight %.

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| Model number * | MFC-1815R | Logo |
| Issue date * | 21/July/2015 | |

| 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). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P7 Design | | | | |
| Disassembly, recycling | | | | |
| P7.1* | Parts that have to be treated separately are easily separable | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P7.2* | Plastic materials in covers/housing have no surface coating. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P7.3* | Plastic parts >100g consist of one material or of easily separable materials. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P7.4* | Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P7.5 | Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P7.6* | Labels are easily separable. (This requirement does not apply to safety/regulatory labels). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Product lifetime | | | | |
| P7.7* | Upgrading can be done e.g. with processor, memory, cards or drives | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P7.8* | Upgrading can be done using commonly available tools | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P7.9. | Spare parts are available after end of production for: 7 years | | | <input type="checkbox"/> |
| P7.10 | Service is available after end of production for: 7 years | | | <input type="checkbox"/> |
| Material and substance requirements | | | | |
| P7.11* | Product cover/housing material type: Material type: PS-HI Material type: ABS Material type: PC | | | |
| P7.12 | Electrical cable insulation materials of power cables are PVC free. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P7.13 | Electrical cable insulation materials of signal cables are PVC free | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P7.14 | All cover/housing plastic parts >25g are free from chlorine and bromine. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P7.15 | All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P7.16 | Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: PC FR(40) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P7.17 | Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) <input type="checkbox"/> , TBBPA (reactive) <input checked="" type="checkbox"/> , Other; chemical name: , CAS #: Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 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: PC FR(40) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P7.19 | Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P7.20 | Of total plastic parts' weight >25g, recycled material content is 0% . | | | |
| P7.21 | Of total plastic parts' weight >25g, biobased material content is 0% . | | | |
| P7.22 | Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P8 Batteries | | | | |
| P8.1* | Battery chemical composition: | | | <input checked="" type="checkbox"/> |
| P8.2 | Batteries meet the requirements of the following voluntary program/s: | | | <input checked="" type="checkbox"/> |

Note B2: IEC61249-2--21 has maximum limits for chlorine and bromine but does not address fluorine, iodine and astatine which are included in the group of halogens.

Note B3: 'Starting from January 2009, Risk phrases can be replaced by Hazard phrases according to the Globally Harmonized System (GHS), mandatory by December 2010.

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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 are reported:

| 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 * | <input type="checkbox"/> |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|-------------------------|---------------------------------------------------------|-------------------------------------|
| Printing / Copying | W | W | Approx. 380 W | | <input type="checkbox"/> |
| Ready | W | W | Approx. 40 W | | <input type="checkbox"/> |
| Deep Sleep | W | W | Approx. 1.3 W | | <input type="checkbox"/> |
| Power Off | W | W | Approx. 0.28 W | | <input type="checkbox"/> |
| | W | W | W | | <input type="checkbox"/> |
| | W | W | W | | <input type="checkbox"/> |
| EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.) | W | W | W | | <input checked="" type="checkbox"/> |
| PTEC * Typical Energy Consumption | W | W | W | | <input checked="" type="checkbox"/> |
| TEC * Typical Energy Consumption | kWh/week | kWh/week | 0.90 kWh/week | | <input type="checkbox"/> |
| ETEC * Annual Energy Consumption | kWh/year | kWh/year | kWh/year | | <input checked="" type="checkbox"/> |
| Display resolution* : | Megapixels | | | | <input checked="" type="checkbox"/> |
| Print Speed* : | 20 Images per minute | | | | <input type="checkbox"/> |
| Default time to enter energy save mode: | 1 minutes | | | | <input type="checkbox"/> |

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: 2.0. Tier: Product category: IMAGING EQUIPMENT
Others specify:

P10 Emissions

Noise emission – Declared according to ISO 9296

| P10.1 | Mode | Mode description | Declared A-weighted sound power level $L_{WA,d}$ (B) | Declared A-weighted sound pressure level L_{pAm} (dB) | | <input type="checkbox"/> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------|
| | | | | Operator position <input type="checkbox"/> Desktop <input type="checkbox"/> or Desk side <input type="checkbox"/> | Bystander positions <input type="checkbox"/> (only if product is not operator attended) | |
| | Idle | * Ready | * 4.70 | | | <input type="checkbox"/> |
| | Operation | * Copying(mono) | * 6.59 | | | <input type="checkbox"/> |
| | Other mode | | | | | |
| Measured according to: <input type="checkbox"/> ISO7779 <input type="checkbox"/> ECMA-74 <input checked="" type="checkbox"/> Other RAL-UZ122 (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:

| | | |
|----------------|--------------|------|
| Model number * | MFC-1815R | Logo |
| Issue date * | 21/July/2015 | |

| Product environmental attributes - Market requirements (continued) | | Requirement met | | |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Item | | Yes | No | n.a. |
| Chemical emissions from printing products | | | | |
| P10.3* | Test performed according to ECMA-328 (ISO/IEC 28360) standard <input type="checkbox"/> , other specify: RAL-UZ122 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P10.4 | Typical emission rate (print phase) is (mg/h): Dust Ozone Styrene Benzene TVOC | | | <input type="checkbox"/> |
| P10.5 | Chemical emission requirements of the following voluntary program/s are met for : Dust <input checked="" type="checkbox"/> Ozone <input checked="" type="checkbox"/> Styrene <input checked="" type="checkbox"/> Benzene <input checked="" type="checkbox"/> TVOC <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Electromagnetic emissions | | | | |
| P10.6 | Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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). | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P11.2* | Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P11.3* | 2-sided (duplex) printing/copying is an integrated product function. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P12 Ergonomics for computing products | | | | |
| P12.1* | The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P12.2* | The physical input device meets the requirements of ISO 9995 and ISO 9241-410. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| P13 Packaging and documentation | | | | |
| P13.1* | Product packaging material type(s): CRGTD-FBRBRD weight (kg): 1.457 Product packaging material type(s): PS-E weight (kg): 0.355 Product packaging material type(s): weight (kg): | | | |
| P13.2* | Product plastic packaging is free from PVC. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| P13.3* | Specify media for user and product documentation (tick box): Electronic <input checked="" type="checkbox"/> , Paper <input checked="" type="checkbox"/> , Other <input type="checkbox"/> | | | <input type="checkbox"/> |
| P13.4* | For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber: 0 % | | | <input type="checkbox"/> |
| Rev. P13.5 | User and product documentation do not contain chlorine bleached paper | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P14 Additional information (See Note B4) | | | | |
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Note B4: 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.

Legal references Europe Annex B

| Reference | Declaration item |
|----------------------------------------------------------------------------------------------------|------------------------------|
| 2002/95/EC (ROHS Directive) | P1.1, P4.1 |
| REACH, Annex XVII | P1.6, P1.8, P4.2 |
| REACH, Annex XVII | P1.4 |
| REACH, Annex XVII | P1.2 |
| REACH, Annex XVII | P1.7 |
| REACH, Annex XVII | 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 | P1.10 |
| (EC) No.1272/2008 regulation on classification, labeling and packaging (CLP) | P4.3 |
| REACH article 31, annex II | 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 |
| (EC) No.1272/2008 regulation on classification, labeling and packaging (CLP) | P7.19 |