

**2006 No. 1463**

**ENVIRONMENTAL PROTECTION**

**The Restriction of the Use of Certain Hazardous Substances in  
Electrical and Electronic Equipment Regulations 2006**

<i>Made</i>	- - - -	<i>25th May 2006</i>
<i>Laid before Parliament</i>		<i>6th June 2006</i>
<i>Coming into force</i>	- -	<i>1st July 2006</i>

The Secretary of State is a Minister designated(a) for the purposes of section 2(2) of the European Communities Act 1972(b) in respect of measures relating to the restriction of the use of hazardous substances in electrical and electronic equipment.

The Secretary of State, in exercise of the powers conferred on him by section 2(2) of that Act, makes the following Regulations.

**Citation and commencement**

1. These Regulations may be cited as the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2006 and shall come into force on 1st July 2006.

**Repeal**

2. The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2005(c) are revoked.

**Interpretation**

3. In these Regulations—

“electrical and electronic equipment” means equipment which is dependent on electric currents or electromagnetic fields in order to work properly and equipment for the generation, transfer and measurement of such currents and fields falling under categories set out in Annex 1A to Directive 2002/96/EC on waste electrical and electronic equipment(d) as amended by Directive 2003/108/EC(e) and designed for use with a voltage rating not exceeding 1,000 volts for alternating current and 1,500 volts for direct current;

---

(a) S.I. 2003/2901 and S.I. 2004/706.  
(b) 1972 c.68.  
(c) S.I. 2005/2748.  
(d) OJ No. L37, 13.2.03, p. 24.  
(e) OJ No. L345, 31.2.03, p. 106.

“hazardous substance” means lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in quantities exceeding the maximum concentration value levels set out below—

- 0.1% by weight in homogeneous materials for lead;
- 0.1% by weight in homogeneous materials for mercury;
- 0.1% by weight in homogeneous materials for hexavalent chromium;
- 0.1% by weight in homogeneous materials for polybrominated biphenyls;
- 0.1% by weight in homogeneous materials for polybrominated diphenyl ethers; and
- 0.01% by weight in homogeneous materials for cadmium; and

“producer” means any person who, irrespective of the selling technique used, including by means of distance communication according to Directive 97/7/EC(a) as amended by Directive 2002/65/EC(b) on the protection of consumers in respect of distance contracts—

- (a) manufactures and sells electrical and electronic equipment under his own brand;
- (b) resells under his own brand equipment produced by other suppliers, but for these purposes a reseller shall not be regarded as the producer if the brand of the producer appears on the equipment, as provided for in (a); or
- (c) imports or exports electrical and electronic equipment on a professional basis into a member State, Norway, Iceland or Liechtenstein(c).

#### **Electrical and electronic equipment to which these Regulations apply**

4. These Regulations apply to electrical and electronic equipment that is within the categories set out in Schedule 1 and to electric light bulbs and to luminaires for use in households.

#### **Electrical and electronic equipment to which these Regulations do not apply**

5.—(1) These Regulations shall not apply to spare parts for the repair, or to the reuse, of electrical and electronic equipment put on the market before 1st July 2006.

(2) These Regulations shall not apply to the applications of lead, mercury, cadmium, hexavalent chromium and polybrominated diphenyl ethers listed in Schedule 2.

#### **Existing legislation**

6. Nothing in these Regulations shall affect the application of existing Community legislation and national legislation as regards—

- (a) safety and health requirements; and
- (b) waste management.

#### **Prohibition on hazardous substances**

7. A producer shall ensure that new electrical and electronic equipment put on the market on or after 1st July 2006 does not contain any hazardous substance.

---

(a) OJ No. L144, 4.6.97, p. 19.

(b) OJ No. L271, 9.10.02, p. 16.

(c) The application of Directive 2002/95/EC of the European Parliament and of the Council on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (OJ No. L37, 13.2.03, p.19) as amended by Commission Decision 2005/618/EC (OJ No. L214, 19.8.05, p.65), Commission Decision 2005/717/EC (OJ No. L 271, 15.10.05, p.48), Commission Decision 2005/747/EC (OJ No. L 280, 25.10.05, p.18) and Commission Decision 2006/310/EC (OJ No. L115, 28.4.06, p.38) was extended to the European Economic Area by Decision 147/2003 of the EEA Joint Committee.

### **Requirements for technical documentation**

8. A producer shall prepare and, at the request of the Secretary of State, submit to him within 28 days of the date of the request, technical documentation or other information showing that electrical and electronic equipment that he has put on the market complies with the requirements of regulation 7.

### **Retention of technical documentation**

9. A producer shall retain the technical documentation or other information in respect of electrical and electronic equipment referred to in regulation 8 for a period of four years from the date that he puts the equipment on the market.

### **Enforcement authority**

10.—(1) It shall be the duty of the Secretary of State to enforce these Regulations and in carrying out his duties he may appoint any person to act on his behalf.

(2) The Secretary of State shall not commence proceedings for an offence in Scotland.

### **Compliance notice**

11.—(1) Where the Secretary of State has reasonable grounds for suspecting that any of the requirements of the following regulations have not been complied with—

- (a) regulation 7;
- (b) regulation 8; and
- (c) regulation 9,

he may serve a notice on the producer.

(2) A notice which is served under paragraph (1) shall—

- (a) state that the Secretary of State suspects a requirement of these Regulations has been contravened;
- (b) specify the reason it is suspected that a requirement of these Regulations has been contravened;
- (c) require the producer to whom notice is given—
  - (i) to comply with the requirements of these Regulations; or
  - (ii) to provide evidence to the Secretary of State demonstrating that the requirements of these Regulations have been met;
- (d) specify the period of time within which the producer must comply with the notice issued by the Secretary of State; and
- (e) warn the producer that unless the requirement is complied with, or evidence has been provided within the period specified in the notice, he may be prosecuted.

### **Test purchases**

12.—(1) The Secretary of State may, for the purpose of ascertaining whether the requirements of regulation 7 have been met, make, or authorise an officer of the Secretary of State to make, any purchase of electrical and electronic equipment.

(2) Where—

- (a) electrical and electronic equipment purchased under this regulation by or on behalf of the Secretary of State is submitted to a test; and
- (b) the test leads to the bringing of proceedings for an offence under regulation 13; and
- (c) the Secretary of State is requested to do so and it is practicable for the Secretary of State to comply with the request,

the Secretary of State shall allow the person from whom the electrical and electronic equipment was purchased or any person who is a party to the proceedings or has an interest in electrical and electronic equipment to which the notice relates, to have the electrical and electronic equipment tested.

### **Offences**

13. A person who contravenes or fails to comply with any of the requirements of—

- (a) regulation 7;
- (b) regulation 8; or
- (c) regulation 9

shall be guilty of an offence.

### **Penalties**

14.—(1) A person who is guilty of an offence under regulation 13(a) shall be liable—

- (a) on summary conviction, to a fine not exceeding the statutory maximum;
- (b) on conviction on indictment, to a fine.

(2) A person who is guilty of an offence under regulation 13(b) or 13(c) shall be liable on summary conviction to a fine not exceeding level 5 on the standard scale.

### **Commencement of proceedings**

15. In England and Wales a magistrates' court may try an information, and in Northern Ireland a magistrates' court may try a complaint, in relation to an offence under these Regulations if the information is laid or if the complaint is made within twelve months from the time when the offence is committed. In Scotland summary proceedings for such an offence may be begun at any time within twelve months from the time when the offence is committed.

### **Defence of due diligence**

16.—(1) Subject to the following provisions of this regulation, in proceedings against any person for an offence under these Regulations it shall be a defence for that person to show that he took all reasonable steps and exercised all due diligence to avoid committing the offence.

(2) Where, in any proceedings against a person for such an offence, the defence provided by paragraph (1) involves an allegation that the commission of the offence was due to—

- (a) the act or default of another; or
- (b) reliance on information given by another,

the person shall not, without leave of the court, be entitled to rely on the defence unless, not later than seven clear days before the hearing of the proceedings (or, in Scotland, the trial diet), he has served a notice in accordance with paragraph (3) on the person bringing the proceedings.

(3) A notice under this regulation shall give such information identifying or assisting in the identification of the person who committed the act or default or gave the information as is in the possession of the person serving the notice at the time he serves it.

(4) A person shall not be entitled to rely on the defence provided by paragraph (1) by reason of his reliance on information supplied by another, unless he shows that it was reasonable in all the circumstances for him to have relied on the information, having regard in particular to—

- (a) the steps which he took and those which might reasonably have been taken, for the purpose of verifying the information; and
- (b) whether he had any reason to disbelieve the information.

## **Liability of persons other than the principal offender**

17.—(1) Where the commission by a person of an offence under these Regulations is due to the act or default of another person in the course of any business of his, that other person shall be guilty of the offence and may be proceeded against and punished, whether or not proceedings are taken against the first person.

(2) Where a body corporate commits an offence and it is proved that the offence was committed—

- (a) with the consent or connivance of an officer of the body corporate; or
- (b) as a result of the negligence of an officer of the body corporate,

the officer, as well as the body corporate, shall be guilty of the offence.

(3) In paragraph (2) a reference to an officer of a body corporate includes a reference to—

- (a) a director, manager, secretary or other similar officer of the body corporate;
- (b) a person purporting to act as a director, manager, secretary or other similar officer; and
- (c) if the affairs of a body corporate are managed by its members, a member.

(4) In this regulation references to a “body corporate” include references to a partnership in Scotland, and in relation to such partnership, any reference to a director, manager, secretary or other similar officer of a body corporate is a reference to a partner.

## **Service of documents**

18.—(1) Any document required or authorised by these Regulations to be served on a person may be so served—

- (a) by delivering it to him or by leaving it at his proper address or by sending it by post to him at that address; or
- (b) if a person is a body corporate, by serving it in accordance with sub-paragraph (a) on the secretary or clerk of that body corporate; or
- (c) if the person is a partnership, by serving it in accordance with sub-paragraph (a) on a partner or on a person having control or management of the partnership business.

(2) For the purposes of paragraph (1), and for the purposes of section 7 of the Interpretation Act 1978<sup>(a)</sup> (which relates to the service of documents by post) in its application to that paragraph, the proper address of any person on whom a document is to be served in accordance with these Regulations shall be his last known address except that—

- (a) in the case of service on a body corporate or its secretary or clerk, it shall be the address of the registered or principal office of the body corporate;
- (b) in the case of service on a partnership or a partner or a person having the control or management of a partnership business, it shall be the principal office of the partnership;

and for the purposes of this paragraph, the principal office of a company registered outside the United Kingdom or of a partnership carrying on business outside the United Kingdom is its principal office within the United Kingdom.

## **Amendment of the Enterprise Act 2002 (Part 9 Restrictions on Disclosure of Information) (Specification) Order 2004**

19.—(1) The Enterprise Act 2002 (Part 9 Restrictions on Disclosure of Information) (Specification) Order 2004<sup>(b)</sup> is amended as follows.

---

<sup>(a)</sup> 1978 c.30.

<sup>(b)</sup> S.I. 2004/693.

(2) In Schedule 1, for the words “The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2005” substitute “The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2006”.

25th May 2006

*Malcolm Wicks*  
Minister of State for Energy  
Department of Trade and Industry

## SCHEDULE 1

Regulation 4

### Categories of electrical and electronic equipment

1. Large household appliances.
2. Small household appliances.
3. IT and telecommunications equipment.
4. Consumer equipment.
5. Lighting equipment.
6. Electrical and electronic tools (with the exception of large-scale stationary industrial tools).
7. Toys, leisure and sports equipment.
8. Automatic dispensers.

## SCHEDULE 2

Regulation 5(2)

### Exempt applications

1. Mercury in compact fluorescent lamps not exceeding 5 mg per lamp.
2. Mercury in straight fluorescent lamps for general purposes not exceeding
  - (a) 10 mg for halophosphate lamps,
  - (b) 5mg for triphosphate lamps with normal lifetime, and
  - (c) 8 mg for triphosphate lamps with long lifetime.
3. Mercury in straight fluorescent lamps for special purposes.
4. Mercury in other lamps not specifically mentioned in this schedule.
5. Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.
6. Lead as an alloying element in steel containing up to 0.35% lead by weight, aluminium containing up to 0.4% lead by weight and as a copper alloy containing up to 4% lead by weight.
7. Lead—
  - (a) in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead),
  - (b) in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission as well as network management for telecommunication, and
  - (c) in electronic ceramic parts (e.g. piezoelectronic devices).
8. Cadmium and its compounds in electrical contacts and cadmium plating except for applications banned under Directive 91/338/EEC(a) amending Directive 76/769/EEC(b) relating to restrictions on the marketing and use of certain dangerous substances and preparations.

---

(a) OJ No. L186, 12.7.91, p.59.

(b) OJ No. L262, 27.9.76, p.201.

9. Hexavalent chromium as an anti-corrosion of the carbon steel cooling system in absorption refrigerators.

10. DecaBDE in polymeric applications.

11. Lead in lead-bronze bearing shells and bushes.

12. Lead used in compliant pin connector systems.

13. Lead as a coating material for the thermal conduction module c-ring.

14. Lead and cadmium in optical and filter glass.

15. Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80% and less than 85% by weight.

16. Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages.

17. Lead in linear incandescent lamps with silicate coated tubes.

18. Lead halide as radiant agent in High Density Discharge lamps used for professional reprography applications.

19. Lead as activator in the fluorescent powder (1% lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP ( $\text{BaSi}_2\text{O}_5:\text{Pb}$ ) as well as when used as speciality lamps for diazo-printing reprography, lithography, insect traps, photochemical and curing processes containing phosphors such as SMS ( $(\text{Sr},\text{Ba})_2\text{MgSi}_2\text{O}_7:\text{Pb}$ ).

20. Lead with PbBiSn-Hg and PbInSn-Hg in specific compositions as main amalgam and with PbSn-Hg as auxiliary amalgam in very compact Energy Saving Lamps.

21. Lead oxide in glass used for bonding front and rear substances of flat fluorescent lamps used for Liquid Crystal Displays.



## EXPLANATORY NOTE

*(This note is not part of the Regulations)*

These Regulations revoke and replace the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2005 (S.I. 2005/2748) which implemented the European Parliament and Council Directive 2002/95/EC (OJ No. L37, 13.3.03, p.19) on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (“the Directive”), as amended by Decision 2005/618/EC (OJ No. L214, 19.8.05, p.65) establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment.

These Regulations incorporate the further amendments to the Annex of the Directive by Commission Decision 2005/717/EC (OJ No. L271, 15.10.05, p. 48), Commission Decision 2005/747/EC (OJ No L280, 25.10.05, p.18) and Commission Decision 2006/310/EC (OJ No. L115, 28.4.06, p.38). These Decisions amend the list of exempt applications set out in the Annex.

These Regulations apply to new electrical and electronic equipment within the categories set out in Schedule 1 and to electric light bulbs and to luminaires for use in households that are put on the market on or after 1st July 2006.

They do not apply to:

- (a) spare parts for the repair of electrical and electronic equipment or to the reuse of such equipment put on the market before 1st July 2006 (regulation 5(1)); and
- (b) the applications of lead, mercury, cadmium, hexavalent chromium and polybrominated diphenyl ethers listed in Schedule 2 (regulation 5(2)).

General requirements relating to the putting on the market on or after 1st July 2006 of electrical and electronic equipment are set out in regulations 7 to 9. New equipment put on the market must not contain more than the permissible maximum concentration values of hazardous substances (regulation 7). Regulations 8 and 9 set out requirements relating to technical documentation.

The Secretary of State has the duty of enforcing the Regulations (regulation 10) and may appoint any person to act on his behalf. The Secretary of State has the power to serve a compliance notice (regulation 11) and make test purchases (regulation 12).

Any person who contravenes or fails to comply with a requirement of regulation 7, 8 or 9 shall be guilty of an offence (regulation 13). Penalties for such offences are set out in regulation 14. The current maximum fine under level 5 on the standard scale is £5000. Proceedings in relation to offences may be commenced within 12 months of the offence being committed (regulation 15). A defence of due diligence is provided in regulation 16 and the liability of persons other than the principal offender is set out in regulation 17. There is provision for service of documents under the Regulations under regulation 18.

Regulation 19 amends the Enterprise Act 2002 (Part 9 Restrictions on Disclosure of Information) (Specification) Order 2004 (S.I. 2004/693) by substituting for the reference to the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2005 a reference to these Regulations. These Regulations will be included amongst the subordinate legislation which has been specified for the purposes of Part 9 of the Enterprise Act 2002 relating to the disclosure of information.

A Regulatory Impact Assessment (RIA) in respect of these Regulations is available and a copy can be obtained from the Department of Trade and Industry. As these Regulations transpose the Directive, a transposition note (TN) setting out how the Government will transpose the Directive into UK law has been prepared. Copies of the RIA and TN are available from the Science and Innovation Group, 151 Buckingham Palace Road, London SW1W 9SS. Copies of these documents have been placed in the libraries of both Houses of Parliament.





**2006 No. 1463**

**ENVIRONMENTAL PROTECTION**

**The Restriction of the Use of Certain Hazardous Substances in  
Electrical and Electronic Equipment Regulations 2006**

£3.00

© Crown copyright 2006

Printed and published in the UK by The Stationery Office Limited  
under the authority and superintendence of Carol Tullo, Controller of Her Majesty's  
Stationery Office and Queen's Printer of Acts of Parliament.

E0749 6/2006 160749T 19585

ISBN 0-11-074648-1



9 780110 746487