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## STATUTORY INSTRUMENTS

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**1983 No. 1140**

### **HEALTH AND SAFETY**

#### **The Classification and Labelling of Explosives Regulations 1983**

<i>Made</i>	- - - -	<i>21st July 1983</i>
<i>Laid before Parliament</i>		<i>9th August 1983</i>
<i>Coming into Operation</i>		<i>1st November 1983</i>

The Secretary of State, in exercise of the powers conferred upon him by sections 15(1), (2), (3) (a) and (c), (4)(a) and (b), (5)(a) and (b), and (6)(b), 43(2) and (4), 47(3), and 82(3)(a) of, and paragraphs 1(1)(b) and (c) and (4), 2(1), and 3(1) and (2) of Schedule 3 to, the Health and Safety at Work etc. Act 1974<sup>(1)</sup> (“the 1974 Act”) and of all other powers enabling him in that behalf and for the purpose of giving effect without modifications to proposals submitted to him by the Health and Safety Commission under section 11(2)(d) of the 1974 Act after the carrying out by the said Commission of consultations in accordance with section 50(3) of that Act, hereby makes the following Regulations:—

#### **Citation and commencement**

1. These Regulations may be cited as the Classification and Labelling of Explosives Regulations 1983 and shall come into operation on 1st November 1983.

#### **Interpretation**

2.—(1) In these Regulations, unless the context otherwise requires—

“Class 1” means Class 1 in respect of explosives or the classification of dangerous goods as set out in the Second Revised Edition of the Recommendations prepared by the United Nations Committee of Experts on the Transport of Dangerous Goods published in Chicago in 1982 on behalf of the United Nations by the International Regulations Publishing and Distributing Organization<sup>(2)</sup>;

“classified” in relation to an article, substance, combination or unit load means assessed by the Health and Safety Executive or, in the case of a military explosive, by the Secretary of State and—

(a) (i) assigned to Class 1,

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(1) section 15 was amended by the Employment Protection Act 1975 (c. 71), Schedule 15, paragraph 6.  
(2) ISBN-0-940394-04-9.

- (ii) assigned to a Division and Compatibility Group,
- (iii) designated as an article, substance, combination or unit load, and
- (iv) in the case of an article or substance, allocated a United Nations Serial Number, or
- (b) excluded from Class 1 and designated as or as not presenting a significant hazard from explosion

;

“combination” means a combination in the same packaging of articles or substances or of one or more of each of them;

“Compatibility Group” means one of the compatibility groups in Class 1 set out in column 1 of Schedule 2 and “Compatibility Group letter” means the letter assigned to a Compatibility Group by column 2 of that Schedule;

“Division” means one of the divisions, into which Class 1 is divided, set out in column 1 of Schedule 1 and “Division number” means the number assigned to a Division by column 2 of that Schedule;

“explosive article” means an article containing one or more explosive substances;

“explosive substance” means—

- (a) a solid or liquid substance, or
- (b) a mixture of solid or liquid substances or both,

which is capable by chemical reaction in itself of producing gas at such a temperature and pressure and at such a speed as could cause damage to surroundings or which is designed to produce an effect by heat, light, sound, gas or smoke or a combination of these as a result of non-detonative self-sustaining exothermic chemical reactions;

“hazard classification code” means the Division number followed by the Compatibility Group letter of an article, substance, combination or unit load as assigned on classification;

“inner packaging” means the packaging immediately surrounding an article, substance or combination, except when it is the only packaging, but it does not include any envelope, case or contrivance forming part of an article;

“label” includes “mark” and related expressions shall be construed accordingly;

“military explosive” means any article, substance, combination or unit load to which these Regulations apply—

- (a) under the control of the Secretary of State, or otherwise held for the service of the Crown, for the purposes of the Ministry of Defence,
- (b) under the control of a headquarters or organisation designated for the purposes of the International Headquarters and Defence Organisations Act 1964 or of the service authorities of a visiting force within the meaning of any of the provisions of Part 1 of the Visiting Forces Act 1952, or otherwise held for the service of such a headquarters, organisation or visiting force, or
- (c) the conveyance of which is certified by the Secretary of State to be in connection with the execution of a contract with the Secretary of State or with a headquarters or organisation designated for the purposes of the International Headquarters and Defence Organisations Act 1964 or with the service authorities of a visiting force within the meaning of any of the provisions of Part 1 of the Visiting Forces Act 1952

;

“name” means in relation to an explosive article or explosive substance its name—

- (a) as shown in “List of Authorised Explosives” or “List of Classifications of Explosives” both being lists issued by the Health and Safety Executive or in any of the various lists of classifications for military explosives issued by the Ministry of Defence, all the foregoing as revised or re-issued from time to time;
- (b) as shown in a licence issued in respect of its manufacture or importation by the Health and Safety Executive or the Secretary of State, or
- (c) as otherwise approved in writing by the Secretary of State

;

“outer packaging” means the packaging immediately surrounding an article, substance or combination where it is the only packaging and in any other case the outermost packaging but does not include—

- (a) any envelope, case or contrivance forming part of an article, or
- (b) any type of freight container, aircraft container, container with integral pallet, aircraft pallet or vehicle

;

“supply” means (whether as principal or agent for another) supply in the course of, or for use at, work by way of—

- (a) sale, offer for sale, lease, hire or hire purchase,
- (b) commercial sample,
- (c) transfer from a factory, warehouse or other place of work and its curtilage to another place of work, whether or not in the same ownership, or
- (d) importation into the United Kingdom,

and related expressions shall be construed accordingly;

“unit load” means the unit formed when packages or unpackaged articles are assembled on or in a device which enables them to be mechanically handled as one unit, but which is not any type of freight container, aircraft container, container with integral pallet, aircraft pallet, or vehicle;

“United Nations Serial Number” means one of the four-digit numbers devised by the United Nations and allocated by the Health and Safety Executive or the Secretary of State to an explosive article or explosive substance as a means of identification.

- (2) Unless the context otherwise requires, any reference in these Regulations to—
  - (a) a numbered Regulation or Schedule is a reference to the Regulation of, or Schedule to, these Regulations bearing that number;
  - (b) a numbered paragraph is a reference to the paragraph bearing that number in the Regulation or Schedule in which the reference appears.

### **Classification and labelling of explosive articles and explosive substances and of combinations and unit loads thereof**

- 3.—(1) Subject to Regulation 4, these Regulations shall apply to—
  - (a) explosive articles or explosive substances, whether in packaging or not;
  - (b) combinations in the same packaging of explosive articles or explosive substances or of one or more of each of such articles and substances;
  - (c) unit loads of any of the following—
    - (i) explosive articles, whether in packaging or not,

- (ii) packaged explosive substances,
- (iii) combinations in the same packaging of explosive articles or explosive substances or of one or more of each of such articles and substances;

except that in relation to supply only, these Regulations shall apply to the items specified in this paragraph only in so far as they are supplied with a view to producing a practical effect by explosion or a pyrotechnic effect.

(2) An article, substance, combination or unit load to which these Regulations apply may not be conveyed, kept or supplied unless—

- (a) it has been classified for the time being according to composition and in the form and packaging, if any, in which it is to be conveyed, kept or supplied; and
- (b) it and any packaging comply with the labelling requirements, if any, imposed in respect of them by these Regulations.

(3) Subject to Regulation 11, nothing in paragraph (2) shall be construed as affecting any other requirement of law relating to the conveyance, keeping or supply of any article, substance, combination or unit load to which these Regulations apply.

#### **Cases to which these Regulations do not apply**

4.—(1) These Regulations shall not apply to an article, substance, combination or unit load—

- (a) which complies with the classification and labelling requirements imposed in respect of it by or under the Explosives Act 1875, but this exception shall not apply after 1st November 1988, other than to the keeping of articles and substances manufactured, and combinations and unit loads formed, before 1st November 1983; or
- (b) which is conveyed, kept or supplied solely in connection with an application for its classification; or
- (c) which has not been classified and—
  - (i) is the subject of, or is used in, a research project, and
  - (ii) is not kept at, or conveyed through, any place to which persons not employed in, or otherwise concerned with, the project have access; or
- (d) which is in transit on any aircraft, vessel or hovercraft, if—
  - (i) it is not to be unloaded in the United Kingdom, and
  - (ii) notification of its nature is given, before it enters the United Kingdom, to the airport manager, harbour master or person in charge of the hoverport, at the place at which it is to land or berth, except that such notification need not be given in the case of articles lawfully carried on board for the purpose of safety or in relation to anything carried on board a warship; or
- (e) which is being transhipped from one aircraft, vessel or hovercraft to another for the purpose of being conveyed to a place outside the United Kingdom provided that there is compliance with the appropriate classification and labelling provisions of the International Maritime Dangerous Goods Code or the Technical Instructions for the Safe Transport of Dangerous Goods by Air, both as revised or re-issued from time to time and published respectively by the International Maritime Organisation and the Council of the International Civil Aviation Organisation; or
- (f) which is being lawfully carried on the person, or in the baggage, of a passenger or member of the crew on an aircraft, vessel or hovercraft or in transit between one aircraft, vessel or hovercraft and another; or

- (g) which is undergoing explosive ordnance disposal, other than dumping at sea, under the directions of a member of Her Majesty's forces or a constable.
- (2) These Regulations shall not apply to an article or substance—
  - (a) which is in the process of manufacture, including any examination or testing carried out at the place of manufacture; or
  - (b) which has been removed from its packaging for the purpose of immediate use.
- (3) These Regulations shall not apply to fireworks, small arms ammunition or combinations in the same packaging of fireworks or small arms ammunition that—
  - (a) are kept or supplied by the retailer thereof; or
  - (b) have been obtained from such a person.
- (4) These Regulations shall not apply to any explosive nuclear device or any component thereof.

#### **Fees for testing**

5. If any testing is carried out by or on behalf of the Health and Safety Executive with the agreement of the applicant in connection with his application for the classification of an article, substance, combination or unit load, the applicant shall pay, prior to the issue of the decision, a fee of £25 for each man-hour of work certified as having been done in respect of that testing, excluding any typing, messenger or other ancillary work (for which no fee shall be payable).

#### **Labelling of an article, substance or combination in Class 1**

6.—(1) A packaged article or substance or a combination to which these Regulations apply, assigned on classification to Class 1, Division 1.1, 1.2 or 1.3, shall bear two labels on its outer packaging, one in accordance with paragraphs 1, 2, 10 and 11, the other in accordance with paragraph 12, of Schedule 3.

(2) An unpackaged article to which these Regulations apply, assigned on classification to Class 1, Division 1.1, 1.2 or 1.3, shall bear two labels, one in accordance with paragraphs 3, 10 and 11, the other in accordance with paragraph 13, of Schedule 3.

(3) A packaged article or substance or a combination to which these Regulations apply, assigned on classification to Class 1, Division 1.4 or 1.5, shall bear two labels on its outer packaging, one in accordance with paragraphs 4 to 7 and 10 and 11, the other in accordance with paragraph 12, of Schedule 3.

(4) An unpackaged article, other than a firework, to which these Regulations apply, assigned on classification to Class 1, Division 1.4, shall bear two labels, one in accordance with paragraphs 8, 10 and 11, the other in accordance with paragraph 13, of Schedule 3.

#### **Labelling of an article, substance or combination not in Class 1**

7. An article, whether in packaging or not, a packaged substance or a combination to which these Regulations apply, which on classification is both excluded from Class 1 and designated as presenting a significant hazard from explosion, shall be labelled in accordance with paragraphs 9 to 11 of Schedule 3 when it is conveyed or kept.

#### **Labelling of outer and inner packagings**

8.—(1) In addition to any labelling required by Regulation 6, where an outer packaging contains an explosive article listed in Schedule 4 or an explosive substance listed in Schedule 5, it shall be labelled in accordance with paragraph 14 of Schedule 3.

(2) Where an inner packaging contains an explosive substance listed in Schedule 5, it shall be labelled in accordance with paragraph 15 of Schedule 3.

### **Labelling or arrangement of a unit load**

**9.—**(1) A unit load to which these Regulations apply shall be labelled or arranged as follows—

- (a) if the same hazard classification code applies to all articles, substances or combinations to which these Regulations apply in the unit load, they shall be arranged so that the label on at least one such article or outer packaging is visible on each vertical face of the load, except that, in the case of a unit load assembled on or in a device with a base or straps, it shall be sufficient if such labels are placed on the base or the straps so that they are as visible as if they were on the load itself;
- (b) in any other case, the labels specified in paragraph (2) shall be placed on the base or straps of the device on or in which the unit load is assembled so that they are as visible as if they were on each vertical face of the load, or, if there is no base or straps or it is impracticable to fix the labels there, they may be placed on each vertical face of the load.

(2) The labels referred to in paragraph (1)(b) shall be those appropriate under Regulations 6(1) or (3) or 7, as the case may be, for a combination which has the same hazard classification code as the unit load as a whole except that the label described in paragraph 12 of Schedule 3 need not be shown.

### **Labelling generally**

**10.—**(1) The requirements of Regulations 6, 7, 8 and 9 and Schedule 3 shall be implemented by the use of durable labelling either—

- (a) directly onto the outside of the packaging, article, base or strap, as the case may be, or
- (b) on a piece of paper or other suitable material securely fixed to the outside of the packaging, article, base or strap, as the case may be, with one entire side of the label in contact with the relevant surface.

(2) Where, in order to comply with paragraph (1), the size of the packaging, article, base or strap, as the case may be, would necessitate a reduction in the size of the label, as an alternative, a full sized label may be affixed in some other safe and suitable manner.

### **Classification and labelling under these Regulations shall satisfy classification and labelling provisions of the Explosives Act 1875**

**11.** Where an article, substance, combination or unit load, assigned on classification to Class 1, complies with the labelling requirements, if any, imposed in respect of it by these Regulations, that classification and labelling shall be deemed to satisfy any corresponding provisions of the Explosives Act 1875 and of any instrument made under it; and that Act and any such instrument shall be modified accordingly.

### **Defence in proceedings for contravening these Regulations**

**12.** In any proceedings for an alleged contravention of, or breach of duty imposed by, these Regulations it shall be a defence for any person to prove that he took all reasonable precautions and exercised all due diligence to avoid the commission of such an offence or breach.

## Enforcement

**13.** Notwithstanding the provisions of the Health and Safety (Enforcing Authority) Regulations 1977(3), the enforcing authority for the purposes of these Regulations shall in all cases be the Health and Safety Executive.

## Power to grant exemptions

**14.—**(1) Subject to paragraph (2), the Health and Safety Executive may, by a certificate in writing, exempt from all or any requirements or prohibitions imposed by these Regulations any particular, or class of, article, substance, combination or unit load and any such exemption may be granted subject to conditions and to a limit of time and may be revoked by a certificate in writing at any time.

(2) The Executive shall not grant any such exemption unless, having regard to the circumstances of the case, and in particular to—

- (a) the conditions, if any, which it proposes to attach to the exemption, and
- (b) any other requirements imposed by or under any enactment which apply to the case,

it is satisfied that neither the health and safety of persons who are likely to be affected by the exemption nor the security of the explosives will be prejudiced.

(3) The Secretary of State may, by a certificate in writing, exempt from all or any requirements or prohibitions imposed by these Regulations any particular or class of military explosive and any such exemption may be granted subject to conditions and to a limit of time and may be revoked by a certificate in writing at any time.

## Revocations

**15.** The following Regulations are hereby revoked—

- (a) Regulation 6(1)(a) and (c), (2) and (4) of the Conveyance by Road of Military Explosives Regulations 1977;
- (b) Regulation 6(1)(a) and (c), (2) and (4) of the Conveyance by Rail of Military Explosives Regulations 1977;
- (c) Regulation 7(1)(a) and (c), (2) and (3) of the Conveyance in Harbours of Military Explosives Regulations 1977.

Signed by order of the Secretary of State.

21st July 1983

*John Selwyn Gummer*  
Joint Parliamentary Under Secretary of State  
Department of Employment

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## SCHEDULE 1

Regulation 2(1)

## THE DIVISIONS

<i>1</i> <i>Division</i>	<i>2</i> <i>Division number</i>
Substances and articles which have a mass explosion hazard.	1.1
Substances and articles which have a projection hazard but not a mass explosion hazard.	1.2
Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.	1.3
Substances and article which present no significant hazard.	1.4
Very insensitive substance which have a mass explosion hazard.	1.5

## SCHEDULE 2

Regulation 2(1)

## THE COMPATIBILITY GROUPS

<i>1</i> <i>Compatibility Group</i>	<i>2</i> <i>Compatibility Group letter</i>
Primary explosive substance.	A
Article containing a primary explosive substance and not containing two or more independent safety features.	B
Propellant explosive substance or other deflagrating explosive substance or article containing such explosive substance.	C
Secondary detonating explosive substance or black powder or article containing a secondary detonating explosive substance, in each case without means of initiation and without a propelling charge, or article containing a primary explosive substance and containing two or more independent safety features.	D
Article containing a secondary detonating explosive substance, without means of initiation and with a propelling charge (other than a charge containing a flammable or hypergolic liquid).	E
Article containing a secondary detonating explosive substance, with means of initiation, and either with a propelling charge (other than a charge containing a flammable or hypergolic liquid) or without a propelling charge.	F
A substance which is an explosive substance because it is designed to produce an effect by heat, light, sound, gas or smoke or a combination of these as a result of non-detonative self-sustaining exothermic chemical reactions or an article containing such a substance or an article containing both a substance which is explosive because it is capable by chemical	G



<i>1</i>	<i>2</i>
<i>Compatibility Group</i>	<i>Compatibility Group letter</i>
reaction in itself of producing gas at such a temperature and pressure and at such a speed as could cause damage to surroundings and an illuminating, incendiary, lachrymatory or smoke-producing substance (other than a water-activated article or one containing white phosphorus, phosphide or a flammable liquid or gel).	
Article containing both an explosive substance and white phosphorus.	H
Article containing both an explosive substance and a flammable liquid or gel.	J
Article containing both an explosive substance and a toxic chemical agent.	K
Explosive substance or explosive article presenting a special risk needing isolation of each type.	L
Substance or article so packed or designed that any hazardous effects arising from accidental functioning are confined within the package unless the package has been degraded by fire, in which case all blast or projection effects are limited to the extent that they do not significantly hinder or prohibit fire fighting or other emergency response efforts in the immediate vicinity of the package.	S

### SCHEDULE 3

Regulations 6, 7, 8 and 10

#### LABELS

*A packaged article or substance or a combination in Class 1, Division 1.1, 1.2 or 1.3*

**1.** One of the labels required by Regulation 6(1) shall—

- (a) be a square set with its sides at an angle of 45° to the vertical;
- (b) be in the form of the following diagram (the hazard classification code “1.2 E” is only an example); and
- (c) comply with the measurements in the diagram except that—
  - (i) larger measurements may be used in which case the measurements shall be increased proportionally, or
  - (ii) where, in order to comply with Regulation 10(1), a smaller label is necessary, the dimensions may be decreased proportionally whilst remaining as large as is reasonably practicable for the purpose of such compliance.

**2.—(1)** The above label shall have a pictograph of a bomb blast filling most of its upper half.

(2) In the lower half of the label, the word “EXPLOSIVE” shall be written in capital letters which shall each be smaller than the Compatibility Group letter in the hazard classification code required by sub-paragraph (3) below.

(3) Below the word “EXPLOSIVE”, the hazard classification code appropriate for the contents when in the packaging on which the label is put shall be written.

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(4) Below the hazard classification code, the Class number “1” shall be written in the bottom corner of the label.

(5) The label shall have a line at least 1 mm wide approximately 5mm inside the edge and running parallel to it.

*An unpackaged article in Class 1, Division 1.1, 1.2 or 1.3*

3. One of the labels required by Regulation 6(2) shall be as described in paragraphs 1 and 2 except that the hazard classification code shall be that appropriate for the article when not packaged.

*A packaged article or substance or a combination in Class 1, Division 1.4 or 1.5*

4. Subject to the alternatives in paragraphs 6 and 7 which may be used instead where appropriate, one of the labels required by Regulation 6(3) shall—

- (a) be a square set with its sides at an angle of 45° to the vertical;
- (b) be in the form of the following diagram (the Division number “1.4” and the Compatibility Group letter “G” are only examples); and
- (c) comply with the measurements in the diagram except that—
  - (i) larger measurements may be used in which case the measurements shall be increased proportionally, or
  - (ii) where, in order to comply with Regulation 10(1), a smaller label is necessary, the dimensions may be decreased proportionally whilst remaining as large as is reasonably practicable for the purpose of such compliance.

5.—(1) The Division number appropriate for the contents when in the packaging on which the label is put shall be written in the upper half of the label.

(2) The Compatibility Group letter appropriate for the contents when in the packaging on which the label is put shall be written in the lower half of the label.

(3) Below the Compatibility Group letter, the Class number “1” shall be written in the bottom corner of the label.

(4) The label shall have a line at least 1 mm wide approximately 5mm inside the edge and running parallel to it.

*Alternatives to the provisions of paragraphs 4 and 5*

6. In any case where the hazard classification code is “1.4 S” the label on the outer packaging may be either—

- (a) “1.4 S”, the numbers and letter being of reasonable size having regard to the dimensions of the package; or
- (b) in accordance with paragraphs 4 and 5 except that the letter may be on the right of the numbers instead of underneath them, in which case the numbers and letter shall be of reasonable size having regard to the dimensions of the label.

7. Packaged fireworks which fall within Division 1.4 may be labelled on their outer packaging with the word “FIREWORK” in capital letters followed by the hazard classification code appropriate for the fireworks as so packaged.

*An unpackaged article, other than a firework, in Class 1, Division 1.4*

8. One of the labels required by Regulation 6(4) shall—
- (a) be as described in paragraphs 4 and 5 except that the Division number and the Compatibility Group letter shall be those appropriate for the article when it is not packaged; or
  - (b) clearly show the word “EXPLOSIVE” in capital letters followed by the hazard classification code appropriate for the article when it is not packaged; or
  - (c) in the case of an article which when not packaged comes within Division 1.4 and Compatibility Group S, clearly show “1.4 S”.

*An article, substance or combination not in Class 1*

9. The label required by Regulation 7 shall—
- (a) be a square set with its sides at an angle of 45° to the vertical;
  - (b) be in the form of the following diagram; and
  - (c) comply with the measurements in the diagram except that—
    - (i) larger measurements may be used in which case the measurements shall be increased proportionally, or
    - (ii) where, in order to comply with Regulation 10(1), a smaller label is necessary, the dimensions may be decreased proportionally whilst remaining as large as is reasonably practicable for the purpose of such compliance.

*Colour of labels described in paragraphs 1 to 9*

10. The background colour of the labels shall be orange.
11. Pictographs, numbers, letters and lines shall be in black.

*A packaged article or substance or a combination in Class 1*

12. The other label required by Regulation 6(1) and (3) shall show in respect of each explosive article or explosive substance, whether or not in a combination—
- (a) its United Nations Serial Number;
  - (b) its name;
  - (c) if it has been imported, the name and address of, or the monogram of, the importer;
  - (d) if it has not been imported, the name and address of, or the monogram of, the manufacturer.

*An unpackaged article in Class 1*

13. The other label required by Regulation 6(2) and (4) shall show in respect of the article—
- (a) its United Nations Serial Number;
  - (b) if it has been imported, the name and address of, or the monogram of, the importer;
  - (c) if it has not been imported, the name and address of, or the monogram of, the manufacturer.

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### *Outer packaging*

**14.** The label required by Regulation 8(1) shall show in respect of the contents of the outer packaging—

- (a) the total number of any explosive articles and the total nominal mass of any explosive substances;
- (b) the month and year of manufacture or leaving the factory of manufacture, with an indication as to which of the two dates is being given, such information may be given in a manufacturer's code, details of which shall be made available to the Health and Safety Executive;
- (c) a description which enables each explosive article to be distinguished from every other explosive article which is not identical;
- (d) in the case of articles in cord form, the length of cord on each spool;
- (e) in the case of explosive substances in cartridge form, the number, nominal diameter and either the nominal mass or nominal length of each kind of cartridge.

### *Inner packaging*

**15.** The label required by Regulation 8(2) shall show in respect of the contents of the inner packaging—

- (a) the name of each explosive substance;
- (b) the total nominal mass of explosive substances or, as an alternative, in the case of explosive substances in cartridge form, their nominal length;
- (c) in the case of explosive substances in cartridge form, their nominal diameter;
- (d) the month and year of manufacture or leaving the factory of manufacture, with an indication as to which of the two dates is being given, such information may be given in a manufacturer's code, details of which shall be made available to the Health and Safety Executive.

## SCHEDULE 4

Regulation 8(1)

### EXPLOSIVE ARTICLES IN RESPECT OF WHICH OUTER PACKAGING IS TO BE LABELLED

In this Schedule “N.O.S.” means “not otherwise specified”

<i>1</i> <i>United Nations</i> <i>Serial Number</i>	<i>2</i> <i>Article</i>	<i>3</i> <i>Hazard</i> <i>Classification</i> <i>Code</i>
0354	ARTICLES, EXPLOSIVE, N.O.S.	1.1 L
0355	ARTICLES, EXPLOSIVE, N.O.S.	1.2 L
0356	ARTICLES, EXPLOSIVE, N.O.S.	1.3 L
0350	ARTICLES, EXPLOSIVE, N.O.S.	1.4 B
0351	ARTICLES, EXPLOSIVE, N.O.S.	1.4 C
0352	ARTICLES, EXPLOSIVE, N.O.S.	1.4 D

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<i>1</i> <i>United Nations</i> <i>Serial Number</i>	<i>2</i> <i>Article</i>	<i>3</i> <i>Hazard</i> <i>Classification</i> <i>Code</i>
0353	ARTICLES, EXPLOSIVE, N.O.S.	1.4 G
0349	ARTICLES, EXPLOSIVE, N.O.S.	1.4 S
0225	BOOSTERS WITH DETONATOR	1.1 B
0268	BOOSTERS WITH DETONATOR	1.2 B
0042	BOOSTERS without detonator	1.1 D
0283	BOOSTERS without detonator	1.2 D
0048	CHARGES, DEMOLITION	1.1 D
0442	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.1 D
0443	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.2 D
0444	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.4 D
0445	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.4 S
0059	CHARGES, SHAPED, COMMERCIAL without detonator	1.1 D
0439	CHARGES, SHAPED, COMMERCIAL without detonator	1.2 D
0440	CHARGES, SHAPED, COMMERCIAL without detonator	1.4 D
0441	CHARGES, SHAPED, COMMERCIAL without detonator	1.4 S
0288	CHARGES, SHAPED, FLEXIBLE, LINEAR metal clad	1.1 D
0237	CHARGES, SHAPED, FLEXIBLE, LINEAR metal clad	1.4 D
0060	CHARGES, SUPPLEMENTARY, EXPLOSIVE	1.1 D
0382	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.2 B
0383	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.4 B
0384	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.4 S
0248	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	1.2 L
0249	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	1.3 L
0065	CORD, DETONATING, flexible	1.1 D
0289	CORD, DETONATING, flexible	1.4 D
0290	CORD (FUSE), DETONATING, metal clad	1.1 D

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0102	CORD (FUSE), DETONATING, metal clad	1.2 D
0104	CORD (FUSE), DETONATING, MILD EFFECT, metal clad	1.4 D
0066	CORD, IGNITER	1.4 G
0030	DETONATORS, ELECTRIC for blasting	1.1 B
0255	DETONATORS, ELECTRIC for blasting	1.4 B
0029	DETONATORS, NON-ELECTRIC for blasting	1.1 B
0267	DETONATORS, NON-ELECTRIC for blasting	1.4 B
0360	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.1 B
0361	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.4 B
0099	FRACTURING DEVICES, EXPLOSIVE, for oil wells, without detonator	1.1 D
0103	FUSE, IGNITER, tubular, metal clad	1.4 G
0101	FUSE, INSTANTANEOUS, NON-DETONATING	1.3 G
0105	FUSE, SAFETY	1.4 S
0106	FUZES, DETONATING	1.1 B
0107	FUZES, DETONATING	1.2 B
0257	FUZES, DETONATING	1.4 B
0367	FUZES, DETONATING	1.4 S
0408	FUZES, DETONATING with protective features	1.1 D
0409	FUZES, DETONATING with protective features	1.2 D
0410	FUZES, DETONATING with protective features	1.4 D
0121	IGNITERS	1.1 G
0314	IGNITERS	1.2 G
0315	IGNITERS	1.3 G
0325	IGNITERS	1.4 G
0124	JET PERFORATING GUNS, CHARGED, oil well, without detonator	1.1 D
0173	RELEASE DEVICES, EXPLOSIVE	1.4 S
0374	SOUNDING DEVICES, EXPLOSIVE	1.1 E
0296	SOUNDING DEVICES, EXPLOSIVE	1.1 F
0375	SOUNDING DEVICES, EXPLOSIVE	1.2 E

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0204	SOUNDING DEVICES, EXPLOSIVE	1.2 F

## SCHEDULE 5

Regulation 8(1) and (2)

EXPLOSIVE SUBSTANCES IN RESPECT OF WHICH INNER  
AND OUTER PACKAGINGS ARE TO BE LABELLED

In this Schedule “N.O.S.” means “not otherwise specified”

<i>1</i> <i>United Nations Serial Number</i>	<i>2</i> <i>Substance</i>	<i>3</i> <i>Hazard Classification Code</i>
0224	BARIUM AZIDE, dry or wetted with less than 50 per cent water, by weight	1.1 A
0027	BLACK POWDER (GUNPOWDER) granular or as a meal	1.1 D
0028	BLACK POWDER (GUNPOWDER) COMPRESSED, or BLACK POWDER (GUNPOWDER) IN PELLETS	1.1 D
0226	CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN), WETTED with not less than 15 per cent water, by weight, or CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN), DESENSITIZED with not less than 10 per cent phlegmatiser, by weight	1.1 D
0391	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENETETRA-NITRAMINE (HMX; OCTOGEN) MIXTURES, WETTED with not less than 15 per cent water by weight, or CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN) MIXTURES, DESENSITIZED with not less than 10 per cent phlegmatiser, by weight	1.1 D
0072	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), WETTED with not less than 15 per cent water, by weight, or CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), DESENSITIZED with not less than 10 per cent phlegmatiser, by weight	1.1 D
0074	DIAZODINITROPHENOL, WETTED with not less than 40 per cent water, by weight (or mixture of alcohol and water)	1.1 A

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0081	EXPLOSIVE, BLASTING, TYPE A	1.1 D
0082	EXPLOSIVE, BLASTING, TYPE B	1.1 D
0331	EXPLOSIVE, BLASTING, TYPE B	1.5 D
0083	EXPLOSIVE, BLASTING, TYPE C	1.1 D
0084	EXPLOSIVE, BLASTING, TYPE D	1.1 D
0241	EXPLOSIVE, BLASTING, TYPE E	1.1 D
0332	EXPLOSIVE, BLASTING, TYPE E	1.5 D
0113	GUANYL NITROSAMINO GUANYLIDENE HYDRAZINE, WETTED with not less than 30 per cent water, by weight	1.1 A
0114	GUANYL NITROSAMINO GUANYLTETRAZENE (TETRAZENE), WETTED with not less than 30 per cent water, by weight (or mixture of alcohol and water)	1.1 A
0079	HEXANITRODIPHENYLAMINE (DIPICRYLAMINE; HEXYL)	1.1 D
0392	HEXANITROSTILBENE	1.1 D
0393	HEXATONAL, CAST	1.1 D
0118	HEXOLITE, dry or wetted with less than 15 per cent water, by weight	1.1 D
0129	LEAD AZIDE, WETTED with not less than 20 per cent water, by weight (or mixture of alcohol and water)	1.1 A
0130	LEAD STYPHNATE (LEAD TRINITRORESORCINATE), WETTED with not less than 20 per cent water, by weight (or mixture of alcohol and water)	1.1 A
0133	MANNITOL HEXANITRATE (NITROMANNITE), WETTED with not less than 40 per cent water, by weight (or mixture of alcohol and water)	1.1 D
0135	MERCURY FULMINATE, WETTED with not less than 20 per cent water, by weight (or mixture of alcohol and water)	1.1 A
0340	NITROCELLULOSE, dry or wetted with less than 25 per cent water (or alcohol), by weight	1.1 D
0341	NITROCELLULOSE, unmodified or plasticized with less than 18 per cent plasticizing substance, by weight	1.1 D
0343	NITROCELLULOSE, PLASTICIZED with not less than 18 per cent plasticizing substance, by weight	1.3 C
0342	NITROCELLULOSE, WETTED with not less than 25 per cent alcohol, by weight	1.3 C



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0143	NITROGLYCERIN, DESENSITIZED with not less than 40 per cent non-volatile water-insoluble phlegmatizer, by weight	1.1 D
0144	NITROGLYCERIN, SPIRIT OF, with more than 1 per cent but not more than 10 per cent nitroglycerin in solution in alcohol	1.1 D
0282	NITROGUANIDINE, (PICRITE), dry or wetted with less than 20 per cent water, by weight	1.1 D
0146	NITROSTARCH, dry or wetted with less than 20 per cent water, by weight	1.1 D
0147	NITRO UREA	1.1 D
0266	OCTOLITE, (OCTOL), dry or wetted with less than 15 per cent water, by weight	1.1 D
0411	PENTAERYTHRITE TETRANITRATE (PETN) with not less than 7 per cent wax, by weight	1.1 D
0150	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRA-NITRATE: PETN), WETTED with not less than 25 per cent water, by weight, or PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), DESENSITIZED with not less than 15 per cent phlegmatizer, by weight	1.1 D
0151	PENTOLITE, dry or wetted with less than 15 per cent water, by weight	1.1 D
0433	POWDER CAKE, WETTED with not less than 17 per cent alcohol, by weight	1.1 C
0159	POWDER CAKE (POWDER PASTE), WETTED with not less than 35 per cent water, by weight	1.3 C
0160	POWDER, SMOKELESS	1.1 C
0161	POWDER, SMOKELESS	1.3 C
0190	SAMPLES, EXPLOSIVE, other than initiating explosive	As appropriate
0357	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1 L
0358	SUBSTANCES, EXPLOSIVE, N.O.S.	1.2 L
0359	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3 L
0208	TRINITROPHENYLMETHYLNITRAMINE (TETRYL)	1.1 D
0209	TRINITROTOLUENE (TNT), dry or wetted with less than 30 per cent water, by weight	1.1 D

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0388	TRINITROTOLUENE (TNT) AND TRINITROBENZENE MIXTURES or TRINITROTOLUENE (TNT) AND HEXANITROSTILBENE MIXTURES	1.1 D
0389	TRINITROTOLUENE (TNT) MIXTURES CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	1.1 D
0390	TRITONAL	1.1 D
0220	UREA NITRATE, dry or wetted with less than 20 per cent water, by weight	1.1 D

### EXPLANATORY NOTE

These Regulations provide for the classification of explosive articles, explosive substances and combinations and unit loads thereof by the Health and Safety Executive or, in the case of military explosives, by the Secretary of State for Defence, according to the type of explosive hazard which they present and their compatibility with other explosives.

Explosives which are assigned to Class 1 or designated as presenting a significant hazard from explosion must comply, whenever they are conveyed or kept and in certain circumstances supplied, with the requirements as to labelling set out in the Regulations.

Copies of the Second Revised Edition of the Recommendations prepared by the United Nations Committee of Experts on the Transport of Dangerous Goods (mentioned in the definition of “Class 1” in Regulation 2(1) and the Technical Instructions for the Safe Transport of Dangerous Goods by Air (mentioned in Regulation 4(1)(e)) can be obtained from IAL Merchandising Service, Aeradio House, Hayes Road, Southall, Middlesex UB2 5NJ.

The lists mentioned in the definition of “name” in Regulation 2(1) can be obtained as follows:—

(a) “List of Authorised Explosives” is published by and obtainable from Her Majesty's Stationery Office;

(b) copies of “List of Classifications of Explosives” can be obtained from Her Majesty's Explosives Inspectorate, Health and Safety Executive, Magdalen House, Stanley Precinct, Bootle, Merseyside, L20 3LZ;

(c) copies of the Ministry of Defence lists of classifications for military explosives can be obtained from the Ministry of Defence Explosives Storage and Transport Committee, Empress State Building, Lillie Road, London SW6 1TR.

Copies of The International Maritime Dangerous Goods Code mentioned in Regulation 4(1)(e) can be obtained from the International Maritime Organisation, Publications Section, 4 Albert Embankment, London SE1 7SR.

Classifications given by the Health and Safety Executive are shown in “List of Authorised Explosives” and “List of Classifications of Explosives.” Classifications given by the Secretary of State for Defence are shown in the Ministry of Defence lists of classifications for military explosives.

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If there is doubt whether an article, substance, combination or unit load has been classified since the date of the most recent lists, enquiries can be made of Her Majesty's Explosives Inspectorate and the Ministry of Defence Explosives Storage and Transport Committee, as appropriate, at the addresses given above.