

This Statutory Rule has been made in consequence of defects in S.R. 1997 No. 247 and is being issued free of charge to all known recipients of that Statutory Rule.

STATUTORY RULES OF NORTHERN IRELAND

1997 No. 360

HEALTH AND SAFETY

Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles (Amendment) Regulations (Northern Ireland) 1997

Made - - - - *1st August 1997*
Coming into operation *8th September 1997*

The Department of Economic Development, being the Department concerned⁽¹⁾, in exercise of the powers conferred by Articles 17(1) to (6), 20(2), 40(2) to (4), 54(1) and (2) and 55(2) of, and paragraphs 1(1) to (4), 2, 3(1), 5 and 15 of Schedule 3 to, the Health and Safety at Work (Northern Ireland) Order 1978⁽²⁾ and of every other power enabling it in that behalf, after consultation in accordance with Articles 46(1) and 54(5) of that Order with the Health and Safety Agency for Northern Ireland and such other bodies as appeared to the Department to be appropriate, hereby makes the following Regulations:—

Citation and commencement

1.—(1) These Regulations may be cited as the Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles (Amendment) Regulations (Northern Ireland) 1997 and shall come into operation on 8th September 1997.

Amendment of the Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles Regulations (Northern Ireland) 1997

2. The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles Regulations (Northern Ireland) 1997⁽³⁾ shall be amended by substituting:

(1) See Article 2(2) of S.I. 1978/1039 (N.I. 9)
(2) S.I. 1978/1039 (N.I. 9) as modified by the Health and Safety at Work Order (Application to Environmentally Hazardous Substances) Regulations (Northern Ireland) 1996 (S.R. 1996 No. 525)
(3) S.R. 1997 No. 247

Status: This is the original version (as it was originally made). This item of legislation is currently only available in its original format.

- (a) for Part I (Table of classifications and other particulars) of Schedule 1 (Classification and ascertainment of other particulars of dangerous goods) the Part I set out in Schedule 1 to these Regulations; and
- (b) for Part I (Ascertainment) of Schedule 2 (Subsidiary Hazard Signs) the Part I set out in Schedule 2 to these Regulations.

Sealed with the Official Seal of the Department of Economic Development on

L.S.

1st August 1997.

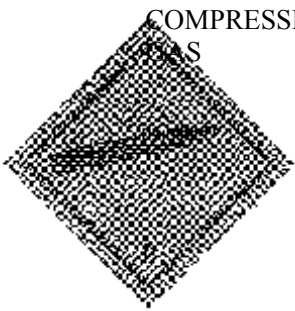
Philip B. Strong
Assistant Secretary

SCHEDULE 1


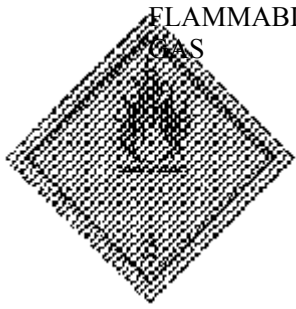
Regulation 2(a)

“Part I

Table of classifications and other particulars

Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
Non-flammable, non-toxic gas	<p>A substance which—</p> <p>(a) at 50°C has a vapour pressure greater than 300 kilopascals absolute or is completely gaseous at 20°C at a standard pressure of 101.3 kilopascals;</p> <p>and</p> <p>(b) is carried at an absolute pressure of not less than 280 kilopascals or in liquefied form, other than a toxic gas or a flammable gas.</p>	—	—	2.2		COMPRESSED GAS

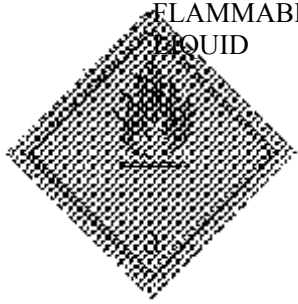
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Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
Toxic gas	A substance which at 50°C has a vapour pressure greater than 300 kilopascals absolute or is completely gaseous at 20°C at a standard pressure of 101.3 kilopascals and which is toxic.	—	—	2.3		TOXIC GAS
Flammable gas	A substance which— (a) at 50°C has a vapour pressure greater than 300 kilopascals absolute or is completely gaseous at 20°C at a standard pressure of 101.3 kilopascals and is flammable; or (b) is packed in an aerosol	—	—	2.1		FLAMMABLE GAS

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Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Classification	Hazardous properties	Relevant properties	Packing Group	Class number	Danger sign	Optional lettering
	dispenser where that dispenser contains either—					
	(i)	more than 45 per cent by mass of a flammable substance,				
	(ii)	more than 250 grammes of a flammable substance,				
	and in this sub- paragraph flammable substance means a flammable gas or flammable liquid having a flash point less than or equal to 100°C.					

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Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
Flammable liquid	<p>A liquid with a flash point—</p> <p>(a) above 61°C and which is carried at a temperature above its flash point; or</p> <p>(b) of 61°C or below except—</p> <p>(i) a liquid which has a flash point equal to or more than 35°C, and when tested in accordance with the appropriate approved method — does not support combustion, or</p>	<p>(a) (in the case of any liquid having a flash point of less than 23°C and containing either not more than 5% of toxic or corrosive substances with a packing group of I or II or not more than 5% of flammable liquids with a packing group of I and a subsidiary hazard of toxic (corrosive) —</p> <p>(i) less than 3% of it</p>	III	3		FLAMMABLE LIQUID

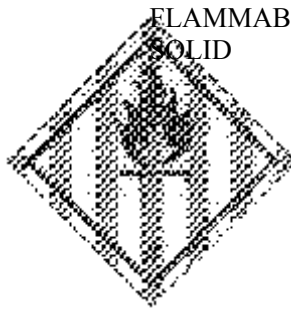
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Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
	(ii)	a viscous substance which complies with the provisions of Part III and is contained in a receptacle with a capacity of less than 450 litres, or	separates out into a clear solvent layer following a suitable solvent separation test, the flash point of it is specified in column 1 of the Table			
	(iii)	a substance which is classified as a flammable gas because it has the hazardous properties specified in sub- paragraph (b) of corresponding to the entry for a	(iii) set out in Part IV, the kinematic viscosity of it is within the range specified in column 2 of the Table set out in			

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		“flammable gas” in column 1.	Part IV which is opposite to the flash point of that liquid referred to in head (ii), and (iv) is contained in a receptacle with a capacity of less than 450 litres; or			
		(b) (in the case of any other liquid) it has—				
		(i) an initial boiling point not greater than 35°C,	I			
		(ii) an initial	II			


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Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
		boiling point above 35°C and a flash point of less than 23°C, or				
		(iii) an initial boiling point above 35°C and a flash point of 23°C or above.	III			
Flammable solid	(a) a solid which, under conditions encountered in carriage, is readily combustible or may cause or contribute to fire through friction; or (b) a self-reactive or related substance which	A substance which is— (a) water-wetted and (when in a dry state) required to be classified (as defined by regulation 2(1) of the Classification and Labelling of Explosives Regulations (Northern	I	4.1		

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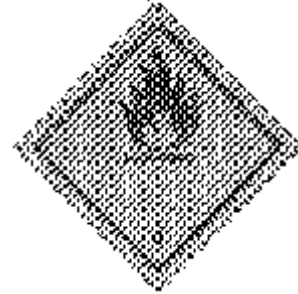
Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
	is liable to undergo a strongly exothermic reaction; or (c) a desensitised explosive where the explosive properties have been suppressed.	Ireland) 1991) in pursuance of regulation 3(2) (a) of those Regulations; (b) (i) a substance; or a self- reactive (ii) a readily combustible solid which, when ignited, burns very vigorously or intensely and is difficult to extinguish; (c) a III readily combustible solid which when ignited burns vigorously or intensely.				
Spontaneously combustible substance		A substance which is—		4.2		SPONTANE- OUSLY COMBUSTIBLE

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Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
	A substance which is liable to spontaneous heating under conditions encountered in carriage or to heating in contact with air being then liable to catch fire.	(a) a pyrophoric substance which ignites instantly on contact with air;	I			
		(b) liable to ignite on contact with air within a short space of time, particularly under conditions of spillage; or	II			
		(c) any other substance which is liable to ignite on contact with air.	III			
Substance which in contact with water emits flammable gas		A substance which—		4.3		DANGEROUS WHEN WET

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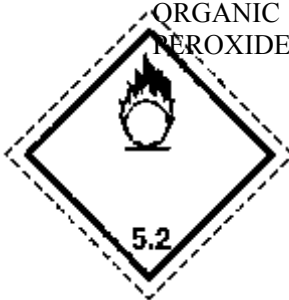

Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
	A substance which in contact with water is liable to become spontaneously combustible or to give off a flammable gas.	(a) either reacts vigorously with water at ambient temperatures and demonstrates generally a tendency for the gas produced to ignite spontaneously or reacts readily with water at ambient temperatures so that the rate of evolution of flammable	I			
		(b) reacts readily with water at ambient temperatures so that the maximum rate of evolution of flammable gas is equal	II			




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Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
		to or greater than 20 litres per kilogramme of substance per hour; or				
		(c) reacts slowly with water at ambient temperatures so that the maximum rate of evolution of flammable gas is greater than 1 litre per kilogramme of substance per hour.	III			
Oxidising substance	A substance other than an organic peroxide which, although not necessarily combustible, may by yielding oxygen or by a similar process	A solid substance which, when mixed with cellulose in a ratio of either 1:4 or 1:1 by mass, exhibits a burning rate at least as		5.1		OXIDIZING AGENT


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Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
		acid and cellulose;				
		(b) 40% aqueous sodium chlorate solution and cellulose; or	II			
		(c) 65% aqueous nitric acid and cellulose.	III			
Organic peroxide	A substance which is— (a) an organic peroxide and (b) an unstable substance which may undergo exothermic self-accelerating decomposition.	Any substance classified as an organic peroxide.	II	5.2		
Toxic substance	A substance which is liable either to cause death or serious injury or to harm human health if swallowed or inhaled or by skin contact.	A substance which has been allocated to— (a) packing group I in accordance with the criteria set out		6.1		

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		<p>in Part V;</p> <p>(b) packing II group II in accordance with the criteria set out in Part V; or</p> <p>(c) packing III group III in accordance with the criteria set out in Part V.</p>				
Infectious substance	A substance which either contains viable micro-organisms that are known or reasonably believed to cause disease in animals or humans or genetically-modified micro-organisms and organisms which are infectious.	—	—	6.2		INFECTIONOUS SUBSTANCE

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Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
Corrosive substance	A substance which by chemical action will — (a) cause severe damage when in contact with living tissue; or (b) materially damage freight or equipment if leakage occurs.	A substance which— (a) causes I full thickness destruction of skin tissue at the site of contact within an observation period of 60 minutes starting after testing on the intact skin of an animal for a period of 3 minutes or less; (b) causes II full thickness destruction of skin tissue at the site of contact within an observation period of 14 days starting after		8		CORROSIVE

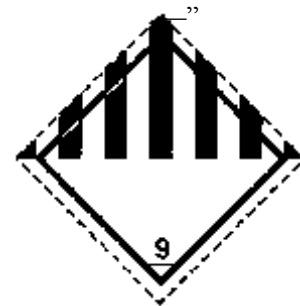
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Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
		testing on the intact skin of an animal for a period of more than 3 minutes but not more than 60 minutes;				
		(c) causes III full thickness destruction of skin tissue at the site of contact within an observation period of 14 days starting after testing on the intact skin of an animal for a period of more than 60 minutes but				

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Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
		not more than 4 hours; or (d) causes III corrosion in steel or aluminium surfaces at a rate exceeding 6.25 mm a year at a test temperature of 55°C.				

MiscellaneousA substance — — 9
dangerous goods which—
(a) is listed in the approved carriage list and which may create a risk to the health and safety of persons in the conditions encountered in carriage whether or not it has



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Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Classification	Hazardous properties	Relevant properties	Packing Group	Class number	Danger sign	Optional lettering
	(b)	any of the hazardous properties of any other classification; contains a genetically-modified micro-organism which is capable of altering animals, plants or microbiological substances in a way which is not normally the result of natural reproduction but excluding any infectious substance;				
	(c)	is hazardous to the environment but excluding any substance which—				
	(i)	is an				

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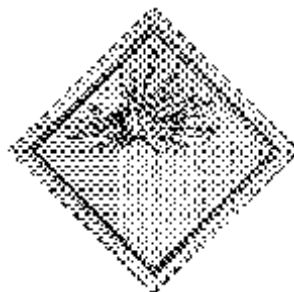
Column 1 Classification	Column 2 Hazardous properties	Column 3 Relevant properties	Column 4 Packing Group	Column 5 Class number	Column 6 Danger sign	Column 7 Optional lettering
		explosive or radioactive material, (ii) possesses any of the hazardous properties of any other classification, or (iii) constitutes dangerous goods for any other reason.				

SCHEDULE 2

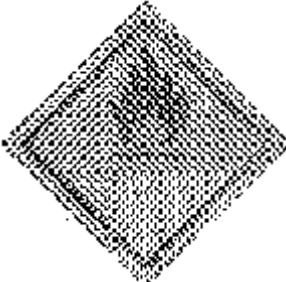
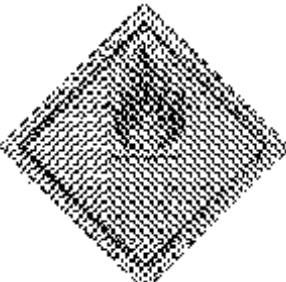
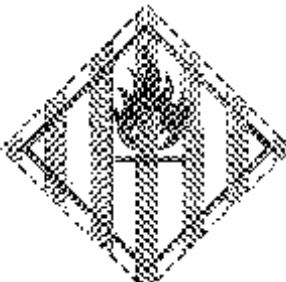
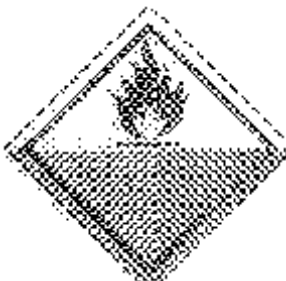
Regulation 2(b)

“Part I
Ascertainment

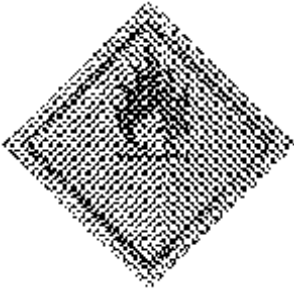
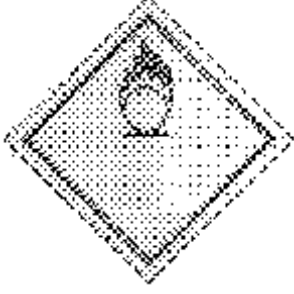


Column 1 Subsidiary hazard	Column 2 Subsidiary hazard sign	Column 3 Optional lettering
Liable to explosion		—



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Column 1 Subsidiary hazard	Column 2 Subsidiary hazard sign	Column 3 Optional lettering
Danger of fire (flammable gas)		FLAMMABLE GAS
Danger of fire (flammable liquid)		FLAMMABLE LIQUID
Danger of fire (flammable solid)		FLAMMABLE SOLID
Liable to spontaneous ignition		SPONTANEOUSLY COMBUSTIBLE

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Column 1 Subsidiary hazard	Column 2 Subsidiary hazard sign	Column 3 Optional lettering
Danger of emission of flammable gas on contact with water		DANGEROUS WHEN WET
Fire intensifying hazard		OXIDISING AGENT
Toxic		TOXIC
Corrosive		CORROSIVE"

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EXPLANATORY NOTE

(This note is not part of the Regulations.)

These Regulations amend the Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles Regulations (Northern Ireland) 1997 (“the principal Regulations”) in order to correct defects in the principal Regulations.

Regulation 2(a) substitutes a new Part I in Schedule 1 to the principal Regulations. The new Part I includes—

- (a) danger signs; and
- (b) in the entry for “Flammable Solid”, in column 2 (hazardous properties) another category (desensitised explosive where the explosive properties have been suppressed),

which were omitted from the principal Regulations.

Regulation 2(b) substitutes a new Part I in Schedule 2 to the principal Regulations. The new Part I includes subsidiary hazard signs which were omitted from the principal Regulations.