

**AUSTRALIAN CODE
FOR THE TRANSPORT OF
DANGEROUS GOODS
BY ROAD AND RAIL**

(ADG CODE)

SIXTH EDITION

CORRIGENDUM

**APPROVED BY
AUSTRALIAN TRANSPORT
COUNCIL**

OCTOBER 1999

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PREFACE

The Australian Dangerous Goods Code (6th Edition)(ADG Code) has been published in two volumes. Volume 1 contains the Code itself, the model *Road Transport Reform (Dangerous Goods) Regulations (Commonwealth) 1997* and the Rail Rules. Volume 2 contains the technical appendices to the ADG Code. The model Commonwealth Regulations and the Rail Rules are referenced or reproduced in substance in State and Territory dangerous goods transport legislation.

This publication incorporates the Corrigendum to the ADG Code, and the *Road Transport Reform (Dangerous Goods) Amendment Regulations (Cwth) 1999* and should be read in conjunction with the ADG Code. The Corrigendum has been prepared to correct small omissions and errors that were not detected at the time of publishing the ADG Code. The Amendment Regulations commenced on 1 October 1999 in the Australian Capital Territory, Victoria, New South Wales and South Australia. Other states will amend their legislation accordingly at a later date and should be contacted directly for information on commencement dates.

The ADG Code and its CD-ROM version are available for purchase from AusInfo in each state. The CD-ROM has been updated and annotated to reflect the Corrigendum and the amendments.

AusInfo	Toll Free Number	132 447
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If other errors exist they may be brought to the attention of the Competent Authorities Panel, through the Secretariat, whose address is:

Secretariat
Competent Authorities Panel
Road Transport Reform Group
Land Division
Department of Transport and Regional Services
GPO Box 594
CANBERRA ACT 2601 Ph: (02) 6274 7474 Fax: (02) 6274 7979

For information on State and Territory legislation, please contact the Competent Authorities listed overleaf:

<u>Address</u>	<u>Telephone No.</u>	<u>Facsimile No.</u>
Australian Capital Territory		
Chief Inspector of Dangerous Goods A.C.T Bureau of Emergency Services 123 Carruthers Street CURTIN ACT 2605	02 6207 6355	02 6207 7249
New South Wales		
Chief Inspector of Dangerous Goods Scientific Services Branch WorkCover Authority NSW Level 3, 400 Kent Street SYDNEY NSW 2001 <i>(Classification, Packaging, Labelling)</i>	02 9370 5164	02 9370 6105
Manager, Transport and Hazardous Materials Environment Protection Authority 59-61 Goulburn St Sydney NSW 2000 <i>(All other matters)</i>	02 9995 5411	02 9995 5918
Northern Territory		
Chief Executive Officer Work Health Authority Minerals House 66 The Esplanade DARWIN NT 0801	08 8999 5010	08 8999 5141
Queensland		
Director-General Department of Transport Transport House 230 Brunswick Street FORTITUDE VALLEY QLD 4006	07 3253 4035	07 3253 4943
South Australia		
Manager Dangerous Substances Branch Department for Administrative & Information Services GPO Box 465 Adelaide SA 5001	08 8303 0447	08 8303 0444
Tasmania		
Chief Inspector of Explosives Workplace Standards Authority 30 Gordons Hill Road ROSNY PARK TAS 7018	03 6233 8366	03 6233 8338

<u>Address</u>	<u>Telephone No.</u>	<u>Facsimile No.</u>
Victoria		
Senior Manager, Licensing & Technology Victorian WorkCover Authority Level 24 Exhibition St MELBOURNE VIC 3000	03 9641 1555	03 9641 1222
Western Australia		
Chief Inspector Explosives and Dangerous Goods Division Department of Minerals and Energy 100 Plain Street EAST PERTH WA 6004	08 9222 3378	08 9222 3525

AMENDMENTS TO AUSTRALIAN DANGEROUS GOODS CODE - VOLUME 1

Page No.	Reference	Correction
P xx	Figure 1.1	In entry amend “Consumer Quantity” to read: “a Consumer Commodity Load of”
P 5	Manufactured product	Amend in (c) “sub-clause 3.8.3(3)” to read: “sub-clause 3.8.3(3)(b) or sub-clause 3.8.3(3)(c)”
P 8	Segregation device	Amend “Supplement 2” to read “Supplement 3”
P 10	1.1.4 (1)	Insert in appropriate alphabetical order: ““ OECD Guidelines for the testing of Chemicals ” means the document of that name published by the OECD.”
P 10	1.1.4 (1)	Insert in appropriate alphabetical order: ““ Medical Examinations of Commercial Vehicle Drivers ” means the document of that name published jointly by the Federal Office of Road Safety and the National Road Transport Commission.”
P 11	(2)	Insert in appropriate numerical order “AS 2927 The storage and handling of liquefied chlorine gas”
P 11	(2)	Amend “AS 3778 Measurement of Water Flow in Open Channels” to read “AS 3788 Pressure Equipment – In-service inspection”
P 12	NSW EPA	Amend entry to read “59-61 Goulburn St, Sydney NSW 2000 'phone: (02) 9995 5411 fax: (02) 9995 5918”
P 13	Victoria	Amend entry to read: “Victorian WorkCover Authority Level 24, 222 Exhibition Street MELBOURNE 3000 GPO Box 4306 MELBOURNE 3001 ' phone: (03) 9641 1555 fax: (03) 9641 1222”
P 16	Table 1.1	In heading of Column 4 insert “sole packaging or” between “per” and “inner”
P 17	Last block	Amend “Clause 1.21” to read “Clause 1.2.1”
P 17	Figure 1.1	In top line amend “Consumer Quantity” to read: “a Consumer Commodity Load of”
P 17	Figure 1.1	Under the “Dangerous Goods Shipping Document” block amend “Consumer Commodity” to read: “a Consumer Commodity Load of”
P 19	Penultimate line	Amend “Correct” to read “Proper”
P 21	2.1.2(3)(c)(ii)	Insert: “(as defined in Clause 6.1.2.2(c) of Addendum I to Appendix 2 of Volume 2 of this Code)” between “value” and “equal”
P 23	2.1.6	In the paragraph commencing “Pathogens” amend “rickettsjæe” to read “rickettsiae”
P 24	2.1.10(1)(b)(ii)	Delete upper case “L”
P 31	3.3.8	In line 1 insert “vapour or” between “of” and “gas”, and similarly in line 3 between “the” and “gas”
P 39	Table 3.2	In the second and third entries “A1/Y etc.” and “A2/Y etc.” should read “1A1/Y etc.” and “1A2/Y etc.”
P 52	3.6.20(6)	In line 2 insert “(3)” between “subclauses” and “(4)”
P 52	3.6.20(6)(a) and 3.6.20(6)(b)	In line 2 of each, amend “Division 7.1” to read “Table 7.1”
P 54	3.7.1(6)(a)	Amend “5 kg/L” to read: “5 kg(L)”
P 63	3.8.2(1)	Line 1, replace “Appendix 1” with “Appendix 2”
P 64	3.8.4	Amend subclause number “3.8.4” to read “3.8.4.1”
P 64	3.8.4.1	Amend subclause number “3.8.4.1” to read “3.8.4.2”
P 73	Table 4.1	Amend “Tars, liquid UN1999” to read “Bitumen-based products”
P 89	7.1.1(2)(c)	Delete both the parenthetical matter and the parentheses and in their stead enter: “being UN3256, 3257 and 3258 and dangerous goods which, notwithstanding their other dangerous goods properties are at or above 100°C if liquid or are at or above 240°C if solid”
P 89	Division 7.1	Insert as a new entry: “7.1.1(6) A package, an outer package, an IBC, a unit load, a freight container or a tank, which is required to be labelled, and which contains a substance of Class 8 need not bear the subsidiary risk label 6.1 if the toxicity arises solely from the destructive effect on tissue. In a similar vein, substances of Class 4.2 need not bear the subsidiary risk label 4.1.”

Page No.	Reference	Correction
P 89	7.1.1 Note (1)	Amend “at” to read “near”
P 90	7.1.2(c)(ii)	Delete final “and”
P 90	7.1.2(c)(iii)	Delete the subclause, in toto
P 90	7.1.2 Note (1) and Note (2)	In each Note amend “at” to read “near”
P 91	7.2.1(2)	Amend the parenthetical matter “consumer commodities” to read: “Consumer Commodity Loads”
P 93	7.2.5(2)	Delete introductory line in toto and in its stead substitute: “An aerosol:”
P 93	7.2.5(2)(a)	Amend line 1 to read: “must be marked with the markings applicable for the aerosol and, where relevant, any”
P 93	7.2.5(2)(b)	Amend “may” to read “should”
P 93	7.2.5(3)	Insert a new entry being: “An outer packaging containing aerosols must be marked as per subclauses 7.2.3(a) to (e) inclusive”
P 94	Table 7.1 Middle block	Add after “(Aerosols)” the words: “and outer packagings containing Aerosols.”
P 94	Table 7.1 Class 2 (Aerosols)	Amend “is” to read “or the outer packaging containing aerosols is”
P 94	Table 7.1	At base of Class 2 (Aerosols) insert: “Note: The labelling requirements for aerosols consigned by air may differ from the above and the IATA Regulations should be consulted.”
P 94	Table 7.1	Insert a new note at the base of Table to read: “Where the space available on the package for labelling is limited and the Proper Shipping Name is an N.O.S. name, the minimum height of the letters of the supplementary Technical Name(s) may be reduced to not less than half the stated size, provided that where the stated size is 2.5mm, the minimum size shall be 1.5mm.”
P 95	Flow Charts	In top line delete: “inner packaging”
P 114	Table 7.2	At base of page insert a note to read: “Note: The Classification Code for explosives of Division 1.1, 1.2 or 1.3 shall appear in the space marked ‘*’. The Compatibility Group for explosives of Division 1.4, shall appear in the space marked ‘*’ ”
P 117	4.2	In both labels amend “COMBUSTABLE” to read “COMBUSTIBLE”
P 118	5.1	In both labels amend “OXISIZING” to read “OXIDIZING”
P 120	Elevated Temperature Label	Delete both the parenthetical matter and the parentheses. Under sign insert: “Minimum Dimension (length of side): When used as a Subsidiary Risk Label to placard a vehicle, 250 mm. When used in an Emergency Information Panel, 150 mm.”
P 128	Figure 7.6(e)	Correct (e) – In penultimate diagram a second class label is required at the rear. (It is unlikely, given the existence of the mixed class label, that two labels will be required up front). In ultimate diagram a class label is required at the rear.(It is unlikely, given the existence of the mixed class label, that two labels will be required up front).
P 137	9.1.6	In line 3 amend “1,000 kg” to read “1,000 kg(L)”
P 138	9.1.9(2)(b)(i)	Amend “Supplement 1” to read “Supplement 3”
P 148	9.3.1(3)	After “Guide” add “or in a manner which is of equivalent or greater safety and security”
P 149	9.3.3(2)(b)	Insert “ and size” between “type” and “of”
P 154	Table 9.2	At the end of Note “N”, amend the parenthetical matter to read: “see clause 9.1.2 and clause 9.1.3”. Add after the closing parenthesis “Notwithstanding this, refer also to sub-clause 9.1.10”
P 154	Table 9.2	At the end of Note “O”, amend the parenthetical matter to read: “see clause 9.1.2 and clause 9.1.3”
P 155	EXPLANATION	In 4 amend “14” to read “24”
P 155	EXPLANATION	In C dot point two, amend space before metres to read “24” i.e.”24 metres”
P 155	EXPLANATION	In D dot point two, amend space before metres to read “24” i.e.”24 metres”
P 160	10.3.3	Insert “road” between “or” and “tank” in line 1
P 160	10.3.3	Amend “receiving” in line 1 to read “supplying”
P 160	10.3.3	Amend “supplying” in line 2 to read “receiving”
P 160	10.3.4	In line 1, delete “tank vehicle or”
P 160	10.3.4	In line 2 insert “or road tank vehicle” after the first “container”
P 160	10.3.4	In line 2 amend the first “receiving” to read “supplying container or”
P 160	10.3.4	In line 2 insert “or tank, as the case may be,” between “container” and “in”

Page No.	Reference	Correction
P 161	10.4.1	In both heading and line 2, delete: “, slurry or paste”
P 161	10.4.2(1)	In line 1 insert “road” between “a” and “tank”
P 161	10.4.2(1)	Delete all matter after the comma and in its stead enter: “other than dangerous goods of Class 2 or dangerous goods which are bitumen-based products classified as one of UN1999, UN3256 or UN3257”
P168	11.1.1(10)	Amend the parenthetical matter “consumer commodities” to read: “Consumer Commodity Loads”
P 173	Note 1	Add to end of second sentence: “is required”
P 173	Note 2	In line one delete the colon and substitute a comma
P 173	Note 2	In line 2 after “purposes” add “is required”
P 173	Note 2	At end after “IBCs” add “or packages only”
P 174	Table 12.2 Column 1	Add after “Packaged dangerous goods” in first block “or dangerous goods as articles”
P 174	Table 12.2 Column 2	Delete in first block “AS1846” and replace with “AS1841 Parts 1 and 5”
P 177	13.3.1	Re-number the last two sub-clauses so that “(2)” becomes “(3)” and “(3)” becomes “(4)”
P 181	Index	Left hand align entries “alcoholic beverages” to “antidotes” inclusive
P 181	New entry	Insert in appropriate numerical order “AS1869” with page cross-reference of “157”
P 181	New entry	Insert in appropriate numerical order “AS2594” with page cross-reference of “157”
P 182	Index	Insert “114-120” between “104” and “121-5” against “Class/labels”
P 183	Index	Delete “Correct Shipping Names” and “19”
P 183	Index	Amend “64” to read “63” against “dangerous goods/Class 3”
P 184	Index	In line 2 of “Emergency Information Panel” delete: ”126”
P 184	Index	Against “format” in “Emergency Information Panel” delete “125” and in its stead insert “123, 124”
P 185	Index	Under inner packagings delete “V type” and “54-5”
P 187	Index	Delete: “pastes” and “161”
P 187	Index	Delete the whole line which reads: “ <i>see also</i> Correct Shipping Name” under the entry heading: “Proper Shipping Name”.
P 188	Index	Delete “slurries” and “161”
P 188	Index	Under sodium hypochlorite delete “definition” and “8”
P 188	Index	Insert “81” after “72” against “stability”
P 189	Index	Amend “values” to read “valves”
P 190	Index	Insert as a final entry in V, “V type packaging” and “54”

AMENDMENTS TO AUSTRALIAN DANGEROUS GOODS CODE, VOLUME 2

Page No.	Reference	Correction
21	New entry	<p>A new “11” to be inserted just before the commencement of “<u>ADDENDUM I TO APPENDIX 2</u>”:</p> <p>“(11) The following definitions are used in the UN Recommendations, to differentiate between a gas, a liquid and a solid.</p> <p><i>A gas</i> is a substance which:</p> <p>(a) At 50 °C has a vapour pressure greater than 300 kPa; or</p> <p>(b) Is completely gaseous at 20 °C at a standard pressure of 101.3 kPa;</p> <p><i>A Liquid</i> is, unless there is an explicit or implicit indication to the contrary in this Code, a dangerous goods with a melting point or initial melting point of 20 °C or lower at a pressure of 101.3 kPa. A viscous substance for which a specific melting point cannot be determined shall be subjected to the ASTM D 4359-90 test; or to the test for determining fluidity (penetrometer test) prescribed in Appendix A.3 of Annex A of the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) with the modifications that the penetrometer shall conform to ISO 2137:1985 and that the test shall be used for viscous substances of any class;</p> <p><i>A Solid</i> is a dangerous goods, other than a gas, which does not meet the definition of a <i>liquid</i> in this paragraph.”</p>
21	New entry	In Addendum I immediately before Assignment of Packing Group insert: “For a dissertation upon the Classification of Dangerous Goods and a guide in respect of the classes into which dangerous goods may fall, refer to Division 2.1 in Volume 1 of the Code.”
25	4.1.2.1(b)	Delete in toto entry “2623 FIRELIGHTERS, SOLID with flammable liquid etc.”
25	4.1.2.1(c)	In 2925 entry to finish: “CORROSIVE, ORGANIC, N.O.S.,” In 2926 entry to finish: “TOXIC, ORGANIC, N.O.S.,” In 3089 delete “S” in “POWDERS” to read: “POWDER” In 3179 entry to finish: “TOXIC, INORGANIC, N.O.S.,” In 3180 entry to finish: “CORROSIVE, INORGANIC, N.O.S.,”
25	4.1.2.2(a)	Delete: “1327 HAY, STRAW or BHUSA”
26	4.1.2.2(f)	Delete in toto: “The flash point of the impregnating liquid is $\geq 23^{\circ}\text{C}$ and $\leq 60.5^{\circ}\text{C}$; see also clause 4.1.2.1(b)”
27	4.1.4	Insert appropriately in numerical order: 1336 NITROGUANIDINE (PICRITE), WETTED, etc. 3270 NITROCELLULOSE MEMBRANE FILTERS 3317 2-AMINO-4,6-DINITROPHENOL, WETTED etc. 3319 NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, etc. 3344 PENTAERYTHRITATE TETRANITRATE MIXTURE, DESENSITIZED, SOLID, etc.”
35	Addendum II To Appendix 2	Insert a new second paragraph to read: “For further information on the classification of Mixtures and Solutions, including a dissertation on the use of the Proper Shipping Name, refer to subsections 3.1.2 and 3.1.3 of the tenth revised edition of the UN Recommendations on the Transport of Dangerous Goods”

GENERAL DIRECTION

Throughout Appendix 2 in Column 8 all entries which read “3.8.6” should read “3.8.6.1”

Page	UN No	Description	Column	Instruction
40	3268		7	Delete “SP280”
41	3065		7	Delete “SP146”
54	1106		6	Insert: “#”
54	1106		9	Insert: “# ‘E’ is not applicable to those products which fall into Packing Group III”
62	3028		9	Delete present matter after “#” and in its stead insert: “Insulate terminals against short-circuiting. Normally packed with inert cushioning material. There may exist mass limits for packages for marine transport and special packaging requirements for air transport.”
62	2794		9	Delete present matter after “#” and in its stead insert: “Insulate terminals against short-circuiting. Normally packed with inert cushioning material. There may exist mass limits for packages for marine transport and special packaging requirements for air transport.”
62	2795		9	Delete present matter after “#” and in its stead insert: “Insulate terminals against short-circuiting. Normally packed with inert cushioning material. There may exist mass limits for packages for marine transport and special packaging requirements for air transport.”
62	2800		9	Delete present matter after “#” and in its stead insert: “Insulate terminals against short-circuiting. Normally packed with inert cushioning material. There may exist mass limits for packages for marine transport and special packaging requirements for air transport.”
65	New entry		1 & 2	Insert a new entry between UN 2269 and UN 2372 to read: “2249 Bis(chloromethyl)ether see – DICHLORODIMETHYL ETHER, SYMETRICAL”
72	2956		9	Delete: “see note 9” and substitute: “Refer to Special Provisions”
89	New entry		1 & 2	Insert a new entry between UN3291 and UN1023 To read: “1971 CNG see – METHANE, COMPRESSED or NATURAL GAS, COMPRESSED with high methane content.
89	1136	COAL TAR DISTILLATES, FLAMMABLE	6	Insert: “#”
89	1136	COAL TAR DISTILLATES, FLAMMABLE	9	Insert: “# ‘E’ is not applicable to those products which fall into Packing Group III”
103	3339		2	Delete the “A” in “AZEOTROPIC”
103	3338		2	Delete the “A” in “AZEOTROPIC”
103	3337(sic)		2	Delete the “A” in “AZEOTROPIC”
103	3337(sic)		1	Amend “3337” to read “3340”
103	3337(sic)		2	Last line to read “R 407C” in lieu of “R 404A”
108	1321		2	After “wetted” in line 1 insert: “with not less than 15% water, by mass”
111	3256		9	Amend “7.1” to read “7.2”
111	3257		9	Amend “7.1” to read “7.2”
111	3258		9	Amend “7.1” to read “7.2”
112	3082		9	Delete the second sentence in toto in the block. It commences “No” and finishes “entry.”
112	3077		9	Delete the second sentence in toto in the block. It commences “No” and finishes “entry.”
122	1408		7	Add “SP223”
124	1993		9	Amend “61 °C” to read “60.5 °C”

Page	UN No	Description	Column	Instruction
124	2924		9	Amend "61 °C" to read "60.5 °C"
125	1992		9	Amend "61 °C" to read "60.5 °C"
128	1863		6	Insert: "#"
128	1863		9	Insert: "# 'E' is not applicable to those products which fall into Packing Group III"
129	1202		9	Insert "GAS OIL or DIESEL FUEL or HEATING OIL LIGHT are dangerous goods only if they satisfy the criteria for being a flammable liquid. Refer to Addendum I to this Appendix. Notwithstanding the above, also refer to Clause 2.1.10 of the Code."
139	1759	Iodine		Delete this entry
145	1223		8	Insert: "RT1"
166	1203	MOTOR SPIRIT etc.	9	Add: "As a general rule, the vapour pressure should not exceed 150 kPa at 50 °C"
173	3319		5	Insert "II"
181	3337(sic)		1	Amend "3337" to read "3340"
181	3337(sic)		2	Delete "a" in "azeotropic" and delete "A" in "AZEOTROPIC"
181	3337(sic)		2	Last line to read "R407C" in lieu of "R404A"
181	3338		2	Delete "a" in "azeotropic" and delete "A" in "AZEOTROPIC"
182	3339		2	Delete "a" in "azeotropic" and delete "A" in "AZEOTROPIC"
182	3340(sic)		1	Amend "3340" to read "3337"
182	3340(sic)		2	Delete "A" in "AZEOTROPIC"
182	3340(sic)		2	Last line to read "R404A" in lieu of "R407C"
184	-	Pesticides		In line 3 of GENERAL NOTES amend "6" to read: "6.1"
206	3337			Delete matter between "see-" and "(REFRIGERANT" and insert: "PENTAFLUOROETHANE, 1,1,1- TRIFLUOROETHANE AND 1,1,1,2-TETRAFLUOROETHANE ZEOTROPIC MIXTURE with approximately 44% pentafluoroethane and 52% 1,1,1-trifluoroethane"
206	3338		2	Delete "A" in "AZEOTROPIC"
206	3339		2	Delete "A" in "AZEOTROPIC"
206	3340		2	Delete matter between "see-" and "(REFRIGERANT" and insert: "DIFLUOROMETHANE, PENTAFLUOROETHANE AND 1,1,1,2-TETRAFLUOROETHANE ZEOTROPIC MIXTURE with approximately 23% difluoromethane and 25% pentafluoroethane"
213	New entry		1 & 2	Insert a new entry between UN 1689 and UN 1688 (on Page 214) to read: "2465 Sodium dichloroisocyanurate see - DICHLOROISOCYANURIC ACID, DRY or DICHLOROISOCYANURIC ACID SALTS"
216	1239		6	Insert: "#"
216	1239		9	Insert: "# 'E' is not applicable to those products which fall into Packing Group III"
224	3339		2	Delete "a" in "azeotropic" and delete "A" in "AZEOTROPIC"
224	3338		2	Delete "a" in "azeotropic" and delete "A" in "AZEOTROPIC"
225	3337(sic)		1	Amend "3337" to read "3340"
225	3337(sic)		2	Delete "a" in "azeotropic" and delete "A" in "AZEOTROPIC"
225	3337(sic)		2	Last line to read "R407C" in lieu of "R404A"
225	3340(sic)		1	Amend "3340" to read "3337"
225	3340(sic)		2	Delete "a" in "azeotropic" and delete "A" in "AZEOTROPIC"
225	3340(sic)		2	Last line to read "R404A" in lieu of "R407C"

Page	UN No	Description	Column	Instruction
233	New entry		1 & 2	Insert new entry between 2670 and 2574 to read: “2468 1,3,5-Trichloro-1,3,5-triazine-2,4,6-(1 <i>H</i> ,3 <i>H</i> ,5 <i>H</i>)-trione see – TRICHLOROISOCYANURIC ACID, DRY”
234	3340(sic)		1	Amend “3340” to read “3337”
234	3340(sic)		2	Delete “a” in “azeotropic” and delete “A” in “AZEOTROPIC”
234	3340(sic)		2	Last line to read “R404A” in lieu of “R407C”
235	1297		6	Insert: “#”
235	1297		9	Insert: “# ‘E’ is not applicable to those products which fall into Packing Group III”
242	1306		3	Insert “3”
243	3288			Delete entry in toto.
245	1308		6	Insert: “#”
245	1308		9	Insert: “# ‘E’ is not applicable to those products which fall into Packing Group III”

Page	Reference	Correction
P 247	Addendum II to Appendix 3	Delete “3343” and in the appropriate numerical order insert “3317”
P 251	New entry Addenda to Appendix 3	Insert: “Addendum XII Oxygen generators, chemical, are devices containing chemicals which upon activation release oxygen as a product of chemical reaction. Chemical oxygen generators are used for the generation of oxygen for respiratory support, e.g. in aircraft, submarines, spacecraft, bomb shelters and breathing apparatus. Oxidizing salts such as chlorates and perchlorates of lithium, sodium and potassium, which are used in chemical oxygen generators, evolve oxygen when heated. These salts are mixed (compounded) with a fuel, usually iron powder, to form a chlorate candle, which produces oxygen by continuous reaction. The fuel is used to generate heat by oxidation. Once the reaction begins, oxygen is released from the hot salt by thermal decomposition (a thermal shield is used around the generator). A portion of the oxygen reacts with the fuel to produce more heat which produces more oxygen, and so on. Initiation of the reaction can be achieved by a percussion device, friction device or electric wire.”
P 260	SP238(a)	Amend the matter relating to temperature on lines 1 and 2 of Pressure Differential Test so it reads “six hours at 24 °C ± 4 C° while subjected..”
P 261	SP239	In first line delete: “Except for air transport” so sentence commences “Batteries or cells...” In ultimate line the first eight words read as follows: “Except for air transport, batteries installed in vehicles (UN3171)...”
P 263	SP283(a)	Amend “excluding” to read “exceeding”
P 264	SP284	Insert after “100 °C” in d(iii) a new line to read: “In addition to the above refer to Addendum XII of Appendix 3”
P 265	Note 4	In line 1 amend “equipment” to read “medium”
P 265	Note 4	A new sentence to be inserted just after “at risk” in ‘4’, to read: “In addition, media indicated by higher numbers may also be safely use, but possibly less effectually, however those media with a lower number than indicated should not be used”
P 299	1268	In sixth last line of Refined Petroleum Products amend entry to read “PETROLEUM PRODUCTS, N.O.S.”



**ROAD TRANSPORT REFORM (DANGEROUS GOODS) AMENDMENT
REGULATIONS 1999(NO. 1)**¹

Statutory Rules 1999 No. 211²

MADE UNDER THE

Road Transport Reform (Dangerous Goods) Act 1995

1 Name of Regulations

These Regulations are the *Road Transport Reform (Dangerous Goods) Amendment Regulations 1999 (No.1)*.

2 Commencement

These Regulations commence on 1 October 1999.

3 Amendment of Road Transport Reform (Dangerous Goods) Regulations

Schedule 1 amends the Road Transport Reform (Dangerous Goods) Regulations.

Schedule 1 Amendments

(regulation 3)

[1] Regulation 1.1

substitute

1.1 Name of Regulations

These Regulations are the *Road Transport Reform (Dangerous Goods) Regulations 1997*.

[2] After subregulation 2.2 (2)

insert

(3) Also, dangerous goods of Class 1, 6.2 or 7 are not taken to be dangerous goods for these Regulations, except regulation 2.3.

[3] Paragraph 3.12 (1) (b)

omit

the transport

insert

transport

[4] Regulation 4.9, heading

substitute

4.9 Owner's duties for certain tanks

[5] Regulation 4.9

omit

vehicle of which a tank forms part, or to which a tank is attached, must not use the vehicle, or permit the vehicle

insert

tank that forms part of a vehicle, or that is attached to a vehicle, must not use the tank, or permit the tank

[6] Paragraph 9.6 (b)

omit

be

[7] Subregulation 11.4 (1)

omit

, complying with Chapter 11 of the ADG Code,

[8] After subregulation 11.4 (1)

insert

(1A) The driver of a vehicle transporting dangerous goods by road must not carry shipping documentation for the goods that the driver knows, or reasonably ought to know, does not comply with Chapter 11 of the ADG Code.

Penalty: \$1,000.

[9] Paragraph 11.8 (1) (b)

substitute

(b) the required emergency information provided by the consignor of the goods, or by the prime contractor for the transport of the goods, is in the holder.

[10] Paragraph 15.9 (1) (a)

omit

either

insert

any

[11] Paragraph 21.3 (b)

substitute

(b) unless the notice is withdrawn, if the person pays the penalty within 28 days after the day when the notice is served on the person (or any longer time allowed in writing by the authorised officer):

(i) any liability of the person for the offence to which the notice relates will be discharged; and

(ii) the person will not be prosecuted in court for the offence; and

- (iii) the person will not be taken to have been convicted of the offence; and

[12] Paragraph 21.5 (1) (c)

substitute

- (c) unless the infringement notice is withdrawn, if the person pays the penalty within 28 days after the day when the reminder notice is served on the person (or any longer time allowed in writing by the authorised officer):
 - (i) any liability of the person for the offence to which the notices relate will be discharged; and
 - (ii) the person will not be prosecuted in court for the offence; and
 - (iii) the person will not be taken to have been convicted of the offence; and

[13] Regulation 23.1

substitute

23.1 Prescribed fees

The fees payable under these Regulations are prescribed in the following table:

Item	Provision for which fee is prescribed	Fee (\$)
1	paragraph 4.24 (c)	150
2	paragraph 18.10 (2) (e)	30
3	paragraph 18.12 (2) (e)	30
4	subregulation 18.19 (3)	80
5	subregulation 18.22 (3)	80

Note A fee prescribed in this table for a service may differ from the fee prescribed under a corresponding provision of another participating jurisdiction if the cost of providing the service is different in the other participating jurisdiction.

[14] Schedule 1, item 40

omit

regulation 11.4

insert

regulation 11.4, except subregulation (1A)

Notes

1. These Regulations amend Statutory Rules 1997 No. 241.
2. Made by the Governor-General on 9 September 1999, and notified in the *Commonwealth of Australia Gazette* on 16 September 1999.