



**WORKING PAPER**

**DANGEROUS GOODS PANEL (DGP)**

**TWENTY-THIRD MEETING**

**Montréal, 11 to 21 October 2011**

**Agenda Item 3: Development of recommendations for amendments to the *Supplement to the Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284SU) for incorporation in the 2013-2014 Edition**

**REVISIONS TO CLASS 1 DANGEROUS GOODS INFORMATION**

(Presented by J. McLaughlin)

**SUMMARY**

This paper proposes that the Supplement to the Technical Instructions be amended with respect to Class 1 Dangerous Goods.

**Action by the DGP:** The DGP is invited to consider assembling a working group to meet at DGP/23. The intent of the working group would be to bring a final proposal addressing Class 1 Dangerous Goods in the Supplement to the panel for adoption by the DGP. Revisions made during DGP/23 would allow modifications to be incorporated into the next edition of the Supplement.

**1. INTRODUCTION**

1.1 The DGP Working Group of the Whole Meeting in Abu Dhabi (DGP-WG/10, 7 to 11 November 2010) began efforts to review and update Class 1 dangerous goods in the Supplement to the Technical Instructions during this biennium (DGP/23-WP/2, paragraph 3.3.3 refers). This work involved a systematic review of how similar materials and articles are applied in the Supplement. The time and input of those panel members who participated in the numerous emails and discussions on this issue has been greatly appreciated.

1.2 In order to complete this effort, it is proposed that a working group meeting take place during DGP/23. This working paper offers the following material intended to facilitate discussion:

**Appendix A — Class 1 Dangerous Goods List:** Sorted by division for discussion purposes only, the information within this table has been reviewed for consistency with the UN Model Regulations.

**Appendix B — General Packing Requirements:** Taken from the Technical Instructions, applicable to Class 1 dangerous goods.

**Appendix C — Summary Sheet:** For Class 1 dangerous goods, an outline by divisions of quantities limits assigned. This can assist the working group in discussions and in arriving at final determinations. This information is not proposed for inclusion in the Supplement, however, the DGP may wish to consider information similar to the comprehensive summary offered in DGP/23-WP/73 as a basis for information presented in the guiding principles.

**Appendix D — Packing Instructions (from the UN Model Regulations):** These are the current UN packing instructions. In the final version, the particular packing requirement (PPR) designationS would be removed, as they are not applicable to the Technical Instructions.

1.3 Where there were multiple packing instructions applicable to a substance or material, the most restrictive option was chosen. The DGP may also choose to consider other approaches.

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APPENDIX A

CLASS 1 DANGEROUS GOODS LIST

Name	UN No.	Class or division	Sub-risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Samples, explosive*</b>	0190	1							Forbidden (101)		Forbidden (101)	
<b>Barium azide</b>	0224	1.1A	6.1						Forbidden (110 (a)(b))		Forbidden (110 (a)(b))	
<b>Diazodinitrophenol, wetted</b>	0074	1.1A					A211		Forbidden (110 (a)(b))		Forbidden (110 (a)(b))	
<b>Guanyl nitrosaminoguanylidene hydrazine, wetted</b>	0113	1.1A					A211		Forbidden (110 (a)(b))		Forbidden (110 (a)(b))	
<b>Guanyl nitrosaminoguanyltetrazene, wetted</b>	0114	1.1A					A211		Forbidden (110 (a)(b))		Forbidden (110 (a)(b))	
<b>Lead azide, wetted</b>	0129	1.1A					A211		Forbidden (110 (a)(b))		Forbidden (110 (a)(b))	
<b>Lead styphnate, wetted</b>	0130	1.1A					A211		Forbidden (110 (a)(b))		Forbidden (110 (a)(b))	
<b>Lead trinitroresorcinate, wetted</b>	0130	1.1A					A211		Forbidden (112 (a)(b))		Forbidden (112 (a)(b))	
<b>Mercury fulminate, wetted</b>	0135	1.1A					A211		Forbidden (110 (a)(b))		Forbidden (110 (a)(b))	
<b>Substances, explosive, n.o.s.*</b>	0473	1.1A					A62		Forbidden (101)		Forbidden (101)	
<b>Tetrazene, wetted</b>	0114	1.1A					A211		Forbidden (110 (a)(b))		Forbidden (110 (a)(b))	
<b>Boosters with detonator</b>	0225	1.1B							Forbidden (133)		Forbidden (133)	
<b>Components, explosive train, n.o.s.*</b>	0461	1.1B					A62		Forbidden (101)		Forbidden (101)	
<b>Detonator assemblies, non-electric</b>	0360	1.1B							Forbidden (131)		Forbidden (131)	
<b>Detonators for ammunition</b>	0073	1.1B							Forbidden (133)		Forbidden (133)	

Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Detonators, electric</b>	0030	1.1B							Forbidden (131)		Forbidden (131)	
<b>Detonators, non-electric</b>	0029	1.1B							Forbidden (131)		Forbidden (131)	
<b>Fuzes, detonating</b>	0106	1.1B							Forbidden (141)		Forbidden (141)	
<b>Primers, cap type</b>	0377	1.1B							Forbidden (133)		Forbidden (133)	
<b>Articles, explosive, n.o.s.*</b>	0462	1.1C					A62		Forbidden (101)		Forbidden (101)	
<b>Cartridges for weapons, blank</b>	0326	1.1C							Forbidden (130)		Forbidden (130)	
<b>Charges, propelling</b>	0271	1.1C							Forbidden (143)		Forbidden (143)	
<b>Charges, propelling, for cannon</b>	0279	1.1C							Forbidden (130)		Forbidden (130)	
<b>Powder cake, wetted</b>	0433	1.1C					A211		Forbidden (111)		Forbidden (111)	
<b>Powder paste, wetted</b>	0433	1.1C					A211		Forbidden (111)		Forbidden (111)	
<b>Powder, smokeless</b>	0160	1.1C							Forbidden (114 b)		Forbidden (114 b)	
<b>Propellant, liquid</b>	0497	1.1C					A206		Forbidden (115)		Forbidden (115)	
<b>Propellant, solid</b>	0498	1.1C							Forbidden (114 b)		Forbidden (114 b)	
<b>Rocket motors</b>	0280	1.1C							Forbidden (130)		Forbidden (130)	
<b>Substances, explosive, n.o.s.*</b>	0474	1.1C					A62		Forbidden (101)		Forbidden (101)	
<b>Dinitrophenol</b>	0076	1.1D	6.1						Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Nitroglycerin, desensitized</b>	0143	1.1D	6.1				A211, A217		Forbidden (115)		Forbidden (115)	
<b>Ammonium nitrate</b>	0222	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Ammonium perchlorate</b>	0402	1.1D					A22		Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Ammonium picrate</b>	0004	1.1D							Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Articles, explosive, n.o.s.*</b>	0463	1.1D							Forbidden (101)		Forbidden (101)	
<b>Black powder</b>	0027	1.1D							Forbidden (113)		Forbidden (113)	

Name	UN No.	Class or division	Sub-risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Black powder in pellets</b>	0028	1.1D							Forbidden (113)		Forbidden (113)	
<b>Black powder, compressed</b>	0028	1.1D							Forbidden (113)		Forbidden (113)	
<b>Bombs</b>	0034	1.1D							Forbidden (130)		Forbidden (130)	
<b>Bombs, photo-flash</b>	0038	1.1D							Forbidden (130)		Forbidden (130)	
<b>Boosters</b>	0042	1.1D							Forbidden (132(a)(b))		Forbidden (132(a)(b))	
<b>Bursters</b>	0043	1.1D							Forbidden (133)		Forbidden (133)	
<b>Charges, bursting, plastics bonded</b>	0457	1.1D							Forbidden (130)		Forbidden (130)	
<b>Charges, demolition</b>	0048	1.1D							Forbidden (130)		Forbidden (130)	
<b>Charges, depth</b>	0056	1.1D							Forbidden (130)		Forbidden (130)	
<b>Charges, explosive, commercial</b>	0442	1.1D							Forbidden (137)		Forbidden (137)	
<b>Charges, shaped, flexible, linear</b>	0288	1.1D							Forbidden (138)		Forbidden (138)	
<b>Charges, shaped_</b>	0059	1.1D					A2		Forbidden (137)		Forbidden (137)	Forbidden (75 KG)
<b>Charges, supplementary, explosive</b>	0060	1.1D							Forbidden (132 (a)(b))		Forbidden (132 (a)(b))	
<b>Cord, detonating</b>	0065	1.1D					A2		Forbidden (139)		Forbidden (139)	Forbidden (75 KG)
<b>Cord, detonating</b>	0290	1.1D							Forbidden (139)		Forbidden (139)	
<b>Cyclonite and cyclotetramethylenet etranitramine mixture, desensitized</b>	0391	1.1D					A211		Forbidden (112 (a)(b))		Forbidden (112 (a)(b))	
<b>Cyclonite and cyclotetramethylenet etranitramine mixture, wetted</b>	0391	1.1D					A211		Forbidden (112 (a)(b))		Forbidden (112 (a)(b))	
<b>Cyclonite, desensitized</b>	0483	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Cyclonite, wetted</b>	0072	1.1D					A211		Forbidden (112 (a))		Forbidden (112 (a))	
<b>Cyclotetramethylene- tetranitramine, wetted</b>	0226	1.1D					A211		Forbidden (112 (a))		Forbidden (112 (a))	

Name	UN No.	Class or division	Sub-risk	P	G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
										Forbidden	P Q	Forbidden	C Q
<b>Cyclotetramethylene-tetranitramine, desensitized</b>	0484	1.1D								Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Cyclotrimethylenetri nitramine and cyclotetramethylenet etranitramine mixture, desensitized</b>	0391	1.1D						A211		Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Cyclotrimethylenetri nitramine and cyclotetramethylenet etranitramine mixture, wetted</b>	0391	1.1D						A211		Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Cyclotrimethylenetri nitramine, desensitized</b>	0483	1.1D								Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Cyclotrimethylenetri nitramine, wetted</b>	0072	1.1D						A211		Forbidden (112 (a))		Forbidden (112 (a))	
<b>Diethyleneglycol dinitrate, desensitized</b>	0075	1.1D						A211		Forbidden (115)		Forbidden (115)	
<b>DINGU</b>	0489	1.1D								Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Dinitroglycoluril</b>	0489	1.1D								Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Dinitroresorcinol</b>	0078	1.1D								Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Dipicryl sulphide</b>	0401	1.1D						A208		Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Dipicrylamine</b>	0079	1.1D								Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Explosive, blasting, type A</b>	0081	1.1D								Forbidden (116)		Forbidden (116)	
<b>Explosive, blasting, type B</b>	0082	1.1D								Forbidden (116)		Forbidden (116)	
<b>Explosive, blasting, type C</b>	0083	1.1D						A212		Forbidden (116)		Forbidden (116)	
<b>Explosive, blasting, type D</b>	0084	1.1D								Forbidden (116)		Forbidden (116)	
<b>Explosive, blasting, type E</b>	0241	1.1D								Forbidden (116)		Forbidden (116)	
<b>Fracturing devices, explosive</b>	0099	1.1D						A2		Forbidden (134)		Forbidden (134)	Forbidden (75 KG)

Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Fuse, detonating</b>	0290	1.1D							Forbidden (139)		Forbidden (139)	
<b>Fuzes, detonating</b>	0408	1.1D							Forbidden (141)		Forbidden (141)	
<b>Grenades</b>	0284	1.1D							Forbidden (141)		Forbidden (141)	
<b>Gunpowder</b>	0027	1.1D							Forbidden (113)		Forbidden (113)	
<b>Gunpowder in pellets</b>	0028	1.1D							Forbidden (113)		Forbidden (113)	
<b>Gunpowder, compressed</b>	0028	1.1D							Forbidden (113)		Forbidden (113)	
<b>Hexanitrodiphenylamine</b>	0079	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Hexanitrostilbene</b>	0392	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Hexogen and cyclotetramethylenetranitramine mixture, desensitized</b>	0391	1.1D					A211		Forbidden (112 (a) (b))		Forbidden (112 (a) (b))	
<b>Hexogen and cyclotetramethylenetranitramine mixture, wetted</b>	0391	1.1D					A211		Forbidden (112 (a) (b))		Forbidden (112 (a) (b))	
<b>Hexogen, desensitized</b>	0483	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Hexogen, wetted</b>	0072	1.1D					A211		Forbidden (112 (a))		Forbidden (112 (a))	
<b>Hexolite</b>	0118	1.1D							Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Hexotol</b>	0118	1.1D							Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Hexotonal</b>	0393	1.1D							Forbidden (112 b)		Forbidden (112 b)	
<b>Hexyl</b>	0079	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>HMX, desensitized</b>	0484	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>HMX, wetted</b>	0226	1.1D					A211		Forbidden (112 (a))		Forbidden (112 (a))	
<b>Jet perforating guns, charged</b>	0124	1.1D							Forbidden (101)		Forbidden (101)	

Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Mannitol hexanitate, wetted</b>	0133	1.1D					A211		Forbidden (112 (a))		Forbidden (112 (a))	
<b>Mines</b>	0137	1.1D							Forbidden (130)		Forbidden (130)	
<b>Nitro urea</b>	0147	1.1D							Forbidden (112 (b))		Forbidden (112 (b))	
<b>Nitrobenzotriazol</b>	0385	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Nitrocellulose</b>	0340	1.1D							Forbidden (112 (a) (b))		Forbidden (112 (a) (b))	
<b>Nitrocellulose</b>	0341	1.1D							Forbidden (112 (b))		Forbidden (112 (b))	
<b>Nitroglycerin solution in alcohol</b>	0144	1.1D							Forbidden (115)		Forbidden (115)	
<b>Nitroguanidine</b>	0282	1.1D							Forbidden (112 (a) (b))		Forbidden (112 (a) (b))	
<b>Nitromannite, wetted</b>	0133	1.1D					A211		Forbidden (112 (a))		Forbidden (112 (a))	
<b>Nitrostarch</b>	0146	1.1D							Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Nitrotriazolone</b>	0490	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>NTO</b>	0490	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Octogen, desensitized</b>	0484	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Octogen, wetted</b>	0226	1.1D					A211		Forbidden (112 (a))		Forbidden (112 (a))	
<b>Octol</b>	0266	1.1D							Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Octolite</b>	0266	1.1D							Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Octonal</b>	0496	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Pentaerythrite tetranitrate</b>	0411	1.1D					A210		Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	



Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Pentaerythrite tetranitrate, desensitized</b>	0150	1.1D					A211		Forbidden (112 (a)(b))		Forbidden (112 (a)(b))	
<b>Pentaerythrite tetranitrate, wetted</b>	0150	1.1D					A211		Forbidden (112 (a)(b))		Forbidden (112 (a)(b))	
<b>Pentaerythritol tetranitrate</b>	0411	1.1D					A210		Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Pentaerythritol tetranitrate, desensitized</b>	0150	1.1D					A211		Forbidden (112 (a)(b))		Forbidden (112 (a)(b))	
<b>Pentaerythritol tetranitrate, wetted</b>	0150	1.1D					A211		Forbidden (112 (a)(b))		Forbidden (112 (a)(b))	
<b>Pentolite</b>	0151	1.1D							Forbidden (112 a, b, or c)		Forbidden (112 a, b, or c)	
<b>PETN</b>	0411	1.1D					A210		Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>PETN, desensitized</b>	0150	1.1D					A211		Forbidden (112 (a)(b))		Forbidden (112 (a)(b))	
<b>PETN, wetted</b>	0150	1.1D					A211		Forbidden (112 a or b)		Forbidden (112 a or b)	
<b>Picramide</b>	0153	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Picric acid</b>	0154	1.1D					A208		Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Picrite</b>	0282	1.1D							Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Picryl chloride</b>	0155	1.1D					A208		Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Projectiles</b>	0168	1.1D							Forbidden (130)		Forbidden (130)	
<b>RDX and cyclotetramethylenetranitramine mixture, desensitized</b>	0391	1.1D					A211		Forbidden (112 (a) (b))		Forbidden (112 (a) (b))	
<b>RDX and cyclotetramethylenetranitramine mixture, wetted</b>	0391	1.1D					A211		Forbidden (112 (a) (b))		Forbidden (112 (a) (b))	

Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>RDX, desensitized</b>	0483	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>RDX, wetted</b>	0072	1.1D					A211		Forbidden (112 a)		Forbidden (112 a)	
<b>Sounding devices, explosive</b>	0374	1.1D							Forbidden (134)		Forbidden (134)	
<b>Styphnic acid</b>	0219	1.1D							Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Styphnic acid, wetted</b>	0394	1.1D							Forbidden (112 (a))		Forbidden (112 (a))	
<b>Substances, explosive, n.o.s.*</b>	0475	1.1D					A62		Forbidden (101)		Forbidden (101)	
<b>Tetranitroaniline</b>	0207	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Tetrazole</b>	0504	1.1D							Forbidden (112 c)		Forbidden (112 c)	
<b>Tetryl</b>	0208	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>TNT</b>	0209	1.1D					A208		Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>TNT and hexanitrostilbene mixture</b>	0388	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>TNT and trinitrobenzene mixture</b>	0388	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>TNT mixture containing trinitrobenzene and hexanitrostilbene</b>	0389	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Torpedoes</b>	0451	1.1D							Forbidden (130)		Forbidden (130)	
<b>Trinitroaniline</b>	0153	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitroanisole</b>	0213	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitrobenzene</b>	0214	1.1D					A208		Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	

Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Trinitrobenzenesulphonic acid</b>	0386	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitrobenzoic acid</b>	0215	1.1D					A208		Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Trinitrochlorobenzene</b>	0155	1.1D					A208		Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitrofluorenone</b>	0387	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitro-m-cresol</b>	0216	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitronaphthalene</b>	0217	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitrophenetole</b>	0218	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitrophenol</b>	0154	1.1D					A208		Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Trinitrophenylmethyl nitramine</b>	0208	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitroresorcinol</b>	0219	1.1D							Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
<b>Trinitroresorcinol, wetted</b>	0394	1.1D							Forbidden (112 (a))		Forbidden (112 (a))	
<b>Trinitrotoluene</b>	0209	1.1D					A208		Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitrotoluene and hexanitrostilbene mixture</b>	0388	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitrotoluene and trinitrobenzene mixture</b>	0388	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Trinitrotoluene mixture containing trinitrobenzene and hexanitrostilbene</b>	0389	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	
<b>Tritonal</b>	0390	1.1D							Forbidden (112 (b) (c))		Forbidden (112 (b) (c))	

Name	UN No.	Class or division	Sub-risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
Urea nitrate	0220	1.1D					A209		Forbidden (112 (a)(b)(c))		Forbidden (112 (a)(b)(c))	
Warheads, rocket	0286	1.1D							Forbidden (130)		Forbidden (130)	
Warheads, torpedo	0221	1.1D							Forbidden (130)		Forbidden (130)	
Articles, explosive, n.o.s.*	0464	1.1E					A62		Forbidden (101)		Forbidden (101)	
Cartridges for weapons	0006	1.1E							Forbidden (130)		Forbidden (130)	
Rockets	0181	1.1E							Forbidden (130)		Forbidden (130)	
Torpedoes	0329	1.1E							Forbidden (130)		Forbidden (130)	
Articles, explosive, n.o.s.*	0465	1.1F					A62		Forbidden (101)		Forbidden (101)	
Bombs	0033	1.1F							Forbidden (130)		Forbidden (130)	
Bombs, photo-flash	0037	1.1F							Forbidden (130)		Forbidden (130)	
Cartridges for weapons	0005	1.1F							Forbidden (130)		Forbidden (130)	
Grenades	0292	1.1F							Forbidden (141)		Forbidden (141)	
Mines	0136	1.1F							Forbidden (130)		Forbidden (130)	
Projectiles	0167	1.1F							Forbidden (130)		Forbidden (130)	
Rockets	0180	1.1F							Forbidden (130)		Forbidden (130)	
Sounding devices, explosive	0296	1.1F							Forbidden (134)		Forbidden (134)	
Torpedoes	0330	1.1F							Forbidden (130)		Forbidden (130)	
Warheads, rocket	0369	1.1F							Forbidden (130)		Forbidden (130)	
Articles, pyrotechnic	0428	1.1G							Forbidden (135)		Forbidden (135)	
Cartridges, flash	0049	1.1G							Forbidden (135)		Forbidden (135)	
Fireworks	0333	1.1G							Forbidden (135)		Forbidden (135)	
Flares, aerial	0420	1.1G							Forbidden (135)		Forbidden (135)	
Flares, surface	0418	1.1G							Forbidden (135)		Forbidden (135)	

Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
Flash powder	0094	1.1G							Forbidden (113)		Forbidden (113)	
Igniters	0121	1.1G							Forbidden (142)		Forbidden (142)	
Signals, distress	0194	1.1G							Forbidden (135)		Forbidden (135)	
Signals, railway track, explosive	0192	1.1G							Forbidden (135)		Forbidden (135)	
Signals, smoke	0196	1.1G							Forbidden (135)		Forbidden (135)	
Substances, explosive, n.o.s.*	0476	1.1G					A62		Forbidden (101)		Forbidden (101)	
Bombs with flammable liquid	0399	1.1J							Forbidden (101)		Forbidden (101)	
Rockets, liquid fuelled	0397	1.1J							Forbidden (101)		Forbidden (101)	
Torpedoes, liquid fuelled	0449	1.1J							Forbidden (101)		Forbidden (101)	
Articles, explosive, n.o.s.*	0354	1.1L					A62		Forbidden (101)		Forbidden (101)	
Substances, explosive, n.o.s.*	0357	1.1L					A62		Forbidden (101)		Forbidden (101)	
Boosters with detonator	0268	1.2B							Forbidden (133)		Forbidden (133)	
Components, explosive train, n.o.s.*	0382	1.2B					A62		Forbidden (101)		Forbidden (101)	
Detonators for ammunition	0364	1.2B							Forbidden (133)		Forbidden (133)	
Fuzes, detonating	0107	1.2B							Forbidden (141)		Forbidden (141)	
Articles, explosive, n.o.s.*	0466	1.2C					A62		Forbidden (101)		Forbidden (101)	
Cartridges for weapons, blank	0413	1.2C							Forbidden (130)		Forbidden (130)	
Cartridges for weapons, inert projectile	0328	1.2C							Forbidden (130)		Forbidden (130)	
Cartridges, power device	0381	1.2C							Forbidden (134)		Forbidden (134)	
Charges, propelling	0415	1.2C							Forbidden (143)		Forbidden (143)	
Charges, propelling, for cannon	0414	1.2C							Forbidden (130)		Forbidden (130)	
Rocket motors	0281	1.2C							Forbidden (130)		Forbidden (130)	
Rockets	0436	1.2C							Forbidden (130)		Forbidden (130)	

Name	UN No.	Class or division	Sub-risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Rockets</b>	0502	1.2C							Forbidden (130)		Forbidden (130)	
<b>Articles, explosive, n.o.s.*</b>	0467	1.2D					A62		Forbidden (101)		Forbidden (101)	
<b>Bombs</b>	0035	1.2D							Forbidden (130)		Forbidden (130)	
<b>Boosters</b>	0283	1.2D							Forbidden (132 (a)(b))		Forbidden (132 (a)(b))	
<b>Charges, bursting, plastics bonded</b>	0458	1.2D							Forbidden (130)		Forbidden (130)	
<b>Charges, explosive, commercial</b>	0443	1.2D							Forbidden (137)		Forbidden (137)	
<b>Charges, shaped_</b>	0439	1.2D							Forbidden (137)		Forbidden (137)	
<b>Cord, detonating</b>	0102	1.2D							Forbidden (139)		Forbidden (139)	
<b>Fuse, detonating</b>	0102	1.2D							Forbidden (139)		Forbidden (139)	
<b>Fuzes, detonating</b>	0409	1.2D							Forbidden (141)		Forbidden (141)	
<b>Grenades</b>	0285	1.2D							Forbidden (141)		Forbidden (141)	
<b>Mines</b>	0138	1.2D							Forbidden (130)		Forbidden (130)	
<b>Projectiles</b>	0345	1.2D							Forbidden (130)		Forbidden (130)	
<b>Projectiles</b>	0169	1.2D							Forbidden (130)		Forbidden (130)	
<b>Sounding devices, explosive</b>	0375	1.2D							Forbidden (134)		Forbidden (134)	
<b>Warheads, rocket</b>	0287	1.2D							Forbidden (130)		Forbidden (130)	
<b>Articles, explosive, n.o.s.*</b>	0468	1.2E					A62		Forbidden (101)		Forbidden (101)	
<b>Cartridges for weapons</b>	0321	1.2E							Forbidden (130)		Forbidden (130)	
<b>Rockets</b>	0182	1.2E							Forbidden (130)		Forbidden (130)	
<b>Articles, explosive, n.o.s.*</b>	0469	1.2F					A62		Forbidden (101)		Forbidden (101)	
<b>Bombs</b>	0291	1.2F							Forbidden (130)		Forbidden (130)	
<b>Cartridges for weapons</b>	0007	1.2F							Forbidden (130)		Forbidden (130)	
<b>Grenades</b>	0293	1.2F							Forbidden (141)		Forbidden (141)	

Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Mines</b>	0294	1.2F							Forbidden (130)		Forbidden (130)	
<b>Projectiles</b>	0426	1.2F							Forbidden (130)		Forbidden (130)	
<b>Projectiles</b>	0324	1.2F							Forbidden (130)		Forbidden (130)	
<b>Rockets</b>	0295	1.2F							Forbidden (130)		Forbidden (130)	
<b>Sounding devices, explosive</b>	0204	1.2F							Forbidden (134)		Forbidden (134)	
<b>Ammunition, tear-producing</b>	0018	1.2G	6.1 & 8						Forbidden (130)		Forbidden (130)	
<b>Ammunition, illuminating</b>	0171	1.2G							Forbidden (130)		Forbidden (130)	
<b>Ammunition, incendiary</b>	0009	1.2G							Forbidden (130)		Forbidden (130)	
<b>Ammunition, smoke</b>	0015	1.2G					A132		Forbidden (130)		Forbidden (130)	
<b>Articles, pyrotechnic</b>	0429	1.2G							Forbidden (135)		Forbidden (135)	
<b>Bombs, photo-flash</b>	0039	1.2G							Forbidden (130)		Forbidden (130)	
<b>Fireworks</b>	0334	1.2G							Forbidden (135)		Forbidden (135)	
<b>Flares, aerial</b>	0421	1.2G							Forbidden (135)		Forbidden (135)	
<b>Flares, surface</b>	0419	1.2G							Forbidden (135)		Forbidden (135)	
<b>Grenades, practice</b>	0372	1.2G							Forbidden (141)		Forbidden (141)	
<b>Igniters</b>	0314	1.2G							Forbidden (142)		Forbidden (142)	
<b>Projectiles</b>	0434	1.2G							Forbidden (130)		Forbidden (130)	
<b>Rockets, line-throwing</b>	0238	1.2G							Forbidden (130)		Forbidden (130)	
<b>Signals, smoke</b>	0313	1.2G							Forbidden (135)		Forbidden (135)	
<b>Ammunition, incendiary, white phosphorus</b>	0243	1.2H							Forbidden (130)		Forbidden (130)	
<b>Ammunition, smoke, white phosphorus</b>	0245	1.2H							Forbidden (130)		Forbidden (130)	
<b>Bombs with flammable liquid</b>	0400	1.2J							Forbidden (101)		Forbidden (101)	
<b>Rocket motors, liquid fuelled</b>	0395	1.2J							Forbidden (101)		Forbidden (101)	

Name	UN No.	Class or division	Sub-risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Rockets, liquid fuelled</b>	0398	1.2J							Forbidden (101)		Forbidden (101)	
<b>Ammunition, toxic*</b>	0020	1.2K	6.1						Forbidden (101)		Forbidden (101)	
<b>Articles, explosive, n.o.s.*</b>	0355	1.2L							Forbidden (101)		Forbidden (101)	
<b>Articles, pyrophoric</b>	0380	1.2L							Forbidden (101)		Forbidden (101)	
<b>Contrivances, water-activated*</b>	0248	1.2L							Forbidden (144)		Forbidden (144)	
<b>Rocket motors with hypergolic liquids</b>	0322	1.2L							Forbidden (101)		Forbidden (101)	
<b>Substances, explosive, n.o.s.*</b>	0358	1.2L					A62		Forbidden (101)		Forbidden (101)	
<b>Dinitrophenolates</b>	0077	1.3C	6.1						Forbidden (114 (a)(b))		Forbidden (114 (a)(b))	
<b>Articles, explosive, n.o.s.*</b>	0470	1.3C					A62		Forbidden (101)		Forbidden (101)	
<b>Cartridges for weapons, blank</b>	0327	1.3C							Forbidden (130)		Forbidden (130)	
<b>Cartridges for weapons, inert projectile</b>	0417	1.3C							Forbidden (130)		Forbidden (130)	
<b>Cartridges, oil well</b>	0277	1.3C							Forbidden (134)		Forbidden (134)	
<b>Cartridges, power device</b>	0275	1.3C							Forbidden (134)		134	75 KG
<b>Cartridges, small arms</b>	0417	1.3C							Forbidden (130)		Forbidden (130)	
<b>Cartridges, small arms, blank</b>	0327	1.3C							Forbidden (130)		Forbidden (130)	
<b>Cases, combustible, empty, without primer</b>	0447	1.3C							Forbidden (136)		Forbidden (136)	
<b>Charges, propelling</b>	0272	1.3C							Forbidden (143)		Forbidden (143)	
<b>Charges, propelling, for cannon</b>	0242	1.3C							Forbidden (130)		Forbidden (130)	
<b>Deflagrating metal salts of aromatic nitro-derivatives, n.o.s.</b>	0132	1.3C							Forbidden (114 (a)(b))		Forbidden (114 (a)(b))	
<b>Dinitrosobenzene</b>	0406	1.3C							Forbidden (114 b)		Forbidden (114 b)	
<b>Hydroxybenzotriazole, anhydrous</b>	0508	1.3C							Forbidden (114 b)		Forbidden (114 b)	
<b>Nitrocellulose, plasticized</b>	0343	1.3C					A213		Forbidden (111)		Forbidden (111)	



Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Nitrocellulose, wetted</b>	0342	1.3C					A213		Forbidden (114 a)		Forbidden (114 a)	
<b>Powder cake, wetted</b>	0159	1.3C					A211		Forbidden (111)		Forbidden (111)	
<b>Powder paste, wetted</b>	0159	1.3C					A211		Forbidden (111)		Forbidden (111)	
<b>Powder, smokeless</b>	0161	1.3C							Forbidden (114 b)		Forbidden (114 b)	
<b>Propellant, liquid</b>	0495	1.3C					A206		Forbidden (115)		Forbidden (115)	
<b>Propellant, solid</b>	0499	1.3C							Forbidden (114 b)		Forbidden (114 b)	
<b>Rocket motors</b>	0186	1.3C							Forbidden (130)		130	220 KG
<b>Rockets</b>	0437	1.3C							Forbidden (130)		Forbidden (130)	
<b>Rockets</b>	0183	1.3C							Forbidden (130)		Forbidden (130)	
<b>Sodium dinitro- oresolate</b>	0234	1.3C					A208		Forbidden (114 (a) (b))		Forbidden (114 (a) (b))	
<b>Sodium picramate</b>	0235	1.3C							Forbidden (114 (a) (b))		Forbidden (114 (a) (b))	
<b>Substances, explosive, n.o.s.*</b>	0477	1.3C					A62		Forbidden (101)		Forbidden (101)	
<b>Zirconium picramate</b>	0236	1.3C							Forbidden (114 (a) (b))		Forbidden (114 (a) (b))	
<b>Ammunition, tear-producing</b>	0019	1.3G	6.1 & 8						Forbidden (130)		Forbidden (130)	
<b>Ammunition, illuminating</b>	0254	1.3G							Forbidden (130)		Forbidden (130)	
<b>Ammunition, incendiary</b>	0010	1.3G							Forbidden (130)		Forbidden (130)	
<b>Ammunition, practice</b>	0488	1.3G							Forbidden (130)		Forbidden (130)	
<b>Ammunition, smoke</b>	0016	1.3G					A132		Forbidden (130)		Forbidden (130)	
<b>Articles, pyrotechnic</b>	0430	1.3G							Forbidden (135)		Forbidden (135)	
<b>Bombs, photo-flash</b>	0299	1.3G							Forbidden (130)		Forbidden (130)	
<b>Cartridges, flash</b>	0050	1.3G							Forbidden (135)		135	75 KG
<b>Cartridges, signal</b>	0054	1.3G							Forbidden (135)		135	75 KG

Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
Fireworks	0335	1.3G							Forbidden (135)		Forbidden (135)	
Flares, aerial	0093	1.3G							Forbidden (135)		135	75 KG
Flares, surface	0092	1.3G							Forbidden (135)		135	75 KG
Flash powder	0305	1.3G							Forbidden (113)		Forbidden (113)	
Fuse, non-detonating	0101	1.3G							Forbidden (140)		Forbidden (140)	
Fuzes, igniting	0315	1.3G							Forbidden (141)		Forbidden (141)	
Grenades, practice	0318	1.3G							Forbidden (141)		Forbidden (141)	
Igniters	0315	1.3G							Forbidden (142)		Forbidden (142)	
Primers, tubular	319	1.3G							Forbidden (133)		Forbidden (133)	
Projectiles	0424	1.3G							Forbidden (130)		Forbidden (130)	
Rockets, line-throwing	0240	1.3G							Forbidden (130)		130	75 KG
Signals, distress	0195	1.3G							Forbidden (135)		135	75 KG
Signals, railway track, explosive	0492	1.3G							Forbidden (135)		Forbidden (135)	
Signals, smoke	0487	1.3G							Forbidden (135)		Forbidden (135)	
Substances, explosive, n.o.s.*	0478	1.3G					A62		Forbidden (101)		Forbidden (101)	
Tracers for ammunition	0212	1.3G							Forbidden (133)		Forbidden (133)	
Ammunition, incendiary, white phosphorus	0244	1.3H							Forbidden (130)		Forbidden (130)	
Ammunition, smoke, white phosphorus	0246	1.3H							Forbidden (130)		Forbidden (130)	
Ammunition, incendiary	0247	1.3J							Forbidden (101)		Forbidden (101)	
Rocket motors, liquid fuelled	0396	1.3J							Forbidden (101)		Forbidden (101)	
Torpedoes, liquid fuelled	0450	1.3J							Forbidden (101)		Forbidden (101)	
Ammunition, toxic*	0021	1.3K	6.1						Forbidden (101)		Forbidden (101)	
Articles, explosive, n.o.s.*	0356	1.3L					A62		Forbidden (101)		Forbidden (101)	

Name	UN No.	Class or division	Sub-risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Contrivances, water-activated*</b>	0249	1.3L							Forbidden (144)		Forbidden (144)	
<b>Rocket motors with hypergolic liquids</b>	0250	1.3L							Forbidden (101)		Forbidden (101)	
<b>Substances, explosive, n.o.s.*</b>	0359	1.3L					A62		Forbidden (101)		Forbidden (101)	
<b>Articles, explosive, n.o.s.*</b>	0350	1.4B					A62		Forbidden (101)		Forbidden (101)	
<b>Components, explosive train, n.o.s.*</b>	0383	1.4B					A62		Forbidden (101)		101	75 KG
<b>Detonator assemblies, non-electric</b>	0361	1.4B							Forbidden (131)		131	75 KG
<b>Detonators for ammunition</b>	0365	1.4B							Forbidden (133)		133	75 KG
<b>Detonators, electric</b>	0255	1.4B							Forbidden (131)		131	75 KG
<b>Detonators, non-electric</b>	0267	1.4B							Forbidden (131)		131	75 KG
<b>Fuzes, detonating</b>	0257	1.4B							Forbidden (141)		141	75 KG
<b>Primers, cap type</b>	0378	1.4B							Forbidden (133)		133	75 KG
<b>Articles, explosive, n.o.s.*</b>	0351	1.4C					A62		Forbidden (101)		101	75 KG
<b>Cartridges for weapons, blank</b>	0338	1.4C							Forbidden (130)		130	75 KG
<b>Cartridges for weapons, inert projectile</b>	0339	1.4C							Forbidden (130)		130	75 KG
<b>Cartridges, oil well</b>	0278	1.4C							Forbidden (134)		134	75 KG
<b>Cartridges, power device</b>	0278	1.4C							Forbidden (134)		134	75 KG
<b>Cartridges, small arms</b>	0339	1.4C							Forbidden (130)		130	75 KG
<b>Cartridges, small arms, blank</b>	0338	1.4C							Forbidden (130)		130	75 KG
<b>Cases, cartridge, empty, with primer</b>	0379	1.4C							Forbidden (136)		136	75 KG
<b>Cases, combustible, empty, without primer</b>	0446	1.4C							Forbidden (136)		136	75 KG
<b>Charges, propelling</b>	0491	1.4C							Forbidden (143)		143	75 KG
<b>Mercaptotetrazol-1-acetic acid</b>	0448	1.4C							Forbidden (114 b)		Forbidden (114 b)	

Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden (114 b)	P Q	Forbidden (114 b)	C Q
Propellant, solid	0501	1.4C							Forbidden (114 b)		Forbidden (114 b)	
Rockets	0438	1.4C							Forbidden (130)		130	75 KG
Substances, explosive, n.o.s.*	0479	1.4C					A62		Forbidden (101)		101	75 KG
Tetrazol-1-acetic acid	0407	1.4C							Forbidden (114 b)		Forbidden (114 b)	
Articles, explosive, n.o.s.*	0352	1.4D					A62		Forbidden (101)		101	75 KG
Charges, bursting, plastics bonded	0459	1.4D							Forbidden (130)		130	75 KG
Charges, explosive, commercial	0444	1.4D							Forbidden (137)		137	75 KG
Charges, shaped, flexible, linear	0237	1.4D							Forbidden (138)		138	75 KG
Charges, shaped_	0440	1.4D					A1		Forbidden (137)	Forbidden (25 KG)	137	75 KG
Cord, detonating	0289	1.4D					A1		Forbidden (139)	Forbidden (25 KG)	139	75 KG
Cord, detonating, mild effect	0104	1.4D							Forbidden (140)	Forbidden (25 KG)	139	75 KG
Fuse, detonating, mild effect	0104	1.4D							Forbidden (139)		139	75 KG
Fuzes, detonating	0410	1.4D							Forbidden (141)		141	75 KG
Jet perforating guns, charged	0494	1.4D					A24		Forbidden (101)		101	75 KG
Projectiles	0347	1.4D							Forbidden (130)		130	75 KG
Projectiles	0344	1.4D							Forbidden (130)		130	75 KG
Substances, explosive, n.o.s.*	0480	1.4D					A62		Forbidden (101)		101	75 KG
Warheads, rocket	0370	1.4D							Forbidden (130)		130	75 KG
Articles, explosive, n.o.s.*	0471	1.4E					A62		Forbidden (101)		101	75 KG
Cartridges for weapons	0412	1.4E							Forbidden (130)		130	75 KG
Articles, explosive, n.o.s.*	0472	1.4F					A62		Forbidden (101)		Forbidden (101)	
Cartridges for weapons	0348	1.4F							Forbidden (130)		Forbidden (130)	
Projectiles	0427	1.4F							Forbidden (130)		Forbidden (130)	

Name	UN No.	Class or division	Sub-risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
Warheads, rocket	0371	1.4F							Forbidden (130)		Forbidden (130)	
Ammunition, tear-producing	0301	1.4G	6.1 & 8						Forbidden (130)		130	75 KG
Air bag inflators	0503	1.4G					A32, A56		Forbidden (135)		135	75 KG
Air bag modules	0503	1.4G					A32, A56		Forbidden (135)		135	75 KG
Ammunition, illuminating	0297	1.4G							Forbidden (130)		130	75 KG
Ammunition, incendiary	0300	1.4G							Forbidden (130)		130	75 KG
Ammunition, practice	0362	1.4G							Forbidden (130)		130	75 KG
Ammunition, proof	0363	1.4G							Forbidden (130)		130	75 KG
Ammunition, smoke	0303	1.4G					A132		Forbidden (130)		130	75 KG
Articles, explosive, n.o.s.*	0353	1.4G					A62		Forbidden (101)		101	75 KG
Articles, pyrotechnic	0431	1.4G							Forbidden (135)		135	75 KG
Cartridges, signal	0312	1.4G							Forbidden (135)		135	75 KG
Cord, igniter	0066	1.4G					A1		Forbidden (140)	Forbidden (25 KG)	140	75 KG
Fireworks	0336	1.4G							Forbidden (135)		135	75 KG
Flares, aerial	0403	1.4G							Forbidden (135)		135	75 KG
Fuse, igniter	0103	1.4G							Forbidden (140)		140	75 KG
Fuzes, igniting	0317	1.4G							Forbidden (141)		141	75 KG
Grenades, practice	0452	1.4G							Forbidden (141)		141	75 KG
Igniters	0325	1.4G							Forbidden (142)		142	75 KG
Primers, tubular	0320	1.4G							Forbidden (133)		133	75 KG
Projectiles	0425	1.4G							Forbidden (130)		130	75 KG
Projectiles	0435	1.4G							Forbidden (130)		130	75 KG
Rockets, line-throwing	0453	1.4G							Forbidden (130)		130	75 KG

Name	UN No.	Class or division	Sub. risk	P G	Labels	State variations	Special provisions	Excepted Quantity	Passenger Aircraft		Cargo Aircraft	
									Forbidden	P Q	Forbidden	C Q
<b>Seat-belt pretensioners</b>	0503	1.4G					A32, A56		Forbidden (135)		135	75 KG
<b>Seat-belt pretensioners</b>	0503	1.4G					A32, A56		Forbidden (135)		Forbidden (135)	
<b>Signal devices, hand</b>	0191	1.4G							Forbidden (135)		135	75 KG
<b>Signals, distress</b>	0505	1.4G							Forbidden		135	75 KG
<b>Signals, railway track, explosive</b>	0493	1.4G							Forbidden (135)		135	75 KG
<b>Signals, smoke</b>	0197	1.4G							Forbidden (135)		135	75 KG
<b>Substances, explosive, n.o.s.*</b>	0485	1.4G					A62		Forbidden (101)		101	75 KG
<b>Tracers for ammunition</b>	0306	1.4G							Forbidden (133)		133	75 KG
<b>Agent, blasting type B</b>	0331	1.5D							Forbidden (116)		Forbidden (116)	
<b>Agent, blasting type E</b>	0332	1.5D							Forbidden (116)		Forbidden (116)	
<b>Explosive, blasting, type B</b>	0331	1.5D					A207		Forbidden (116)		Forbidden (116)	
<b>Explosive, blasting, type E</b>	0332	1.5D					A207		Forbidden (116)		Forbidden (116)	
<b>Substances, EVI, n.o.s.*</b>	0482	1.5D							Forbidden (101)		Forbidden (101)	
<b>Substances, explosive, very insensitive, n.o.s.*</b>	0482	1.5D					A62		Forbidden (101)		Forbidden (101)	
<b>Articles, EEI</b>	0486	1.6N							Forbidden (101)		Forbidden (101)	
<b>Articles, explosive, extremely insensitive</b>	0486	1.6N							Forbidden (101)		Forbidden (101)	

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## APPENDIX B

### GENERAL PACKING REQUIREMENTS

#### 3.2 GENERAL REQUIREMENTS

3.2.1 The general packing requirements of 4;1 must be met.

3.2.2 All packagings for Class 1 explosives must be so designed and constructed that:

- a) they will protect the explosives, prevent them from escaping and cause no increase in the risk of unintended ignition or initiation when subjected to normal conditions of transport including foreseeable changes in temperature, humidity and pressure;
- b) the complete package can be handled safely in normal conditions of transport; and
- c) the packages will withstand any loading imposed on them by foreseeable stacking to which they will be subject during transport so that they do not add to the risk presented by the explosives, the containment function of the packagings is not harmed, and they are not distorted in a way or to an extent which will reduce their strength or cause instability of a stack.

3.2.3 All explosive substances and articles, as prepared for transport, must have been classified in accordance with the procedures detailed in 2;1.5.

#### 3.3 GENERAL PACKING PROVISIONS

3.3.1 The general provisions detailed below are in addition to those in Part 4, Chapter 1.

3.3.1.1 The closure device of packagings containing liquid explosives must ensure a double protection against leakage.

3.3.1.2 The closure device of metal drums must include a suitable gasket; if a closure device includes a screw-thread, the ingress of explosive substances into the screw-thread must be prevented.

3.3.1.3 Packagings for water soluble substances must be water-resistant.

3.3.1.4 When the packaging includes a double envelope filled with water which may freeze during transport, a sufficient quantity of an anti-freeze agent must be added to the water to prevent freezing. Anti-freeze that could create a fire hazard because of its inherent flammability must not be used.

3.3.1.5 Nails, staples and other closure devices made of metal without protective covering must not penetrate to the inside of the outer packaging unless the inner packaging adequately protects the explosives against contact with the metal.

3.3.1.6 Inner packagings, fittings and cushioning materials and the placing of explosive substances or articles in packages must be accomplished in a manner which prevents the explosive substances or articles from becoming loose in the outer packaging under normal conditions of transport. Metallic components of articles must be prevented from making contact with metal packagings. Articles containing explosive substances not enclosed in an outer casing must be separated from each other in order to prevent friction and impact. Padding, trays, partitioning in the inner or outer packaging, mouldings or receptacles may be used for this purpose.

3.3.1.7 Packagings must be made of materials compatible with, and impermeable to, the explosives contained in the package, so that neither interaction between the explosives and the packaging materials, nor leakage, causes the explosive to become unsafe to transport, or the hazard division or compatibility group to change.

3.3.1.8 The ingress of explosive substances into the recesses of seamed metal packagings must be prevented.

3.3.1.9 Plastic packagings must not be liable to generate or accumulate sufficient static electricity so that a discharge could cause the packaged explosive substances or articles to initiate, ignite or function.

3.3.1.10 Explosive substances must not be packed in inner or outer packagings where the differences in internal and external pressures, due to thermal or other effects, could cause an explosion or rupture of the package.

3.3.1.11 Whenever loose explosive substances or the explosive substance of an uncased or partly cased article may come into contact with the inner surface of metal packagings (1A2, 1B2, 4A, 4B and metal receptacles), the metal packaging must be provided with an inner liner or coating (see 1.1.3).

3.3.1.12 Packing Instruction 101 may be used for any explosive provided the package has been approved by an appropriate national authority regardless of whether the packaging complies with the packing instruction assignment in the Dangerous Goods List.

3.3.1.13 Electro-explosive devices must be adequately protected against electro-magnetic radiation and stray currents.

3.3.1.14 Large and robust explosive articles, normally intended for military use, without their means of initiation or without their means of initiation containing at least two effective protective features, may be carried unpackaged. When such articles have propelling charges or are self-propelled, their ignition systems must be protected against stimuli encountered during normal conditions of transport. A negative result in Test Series 4 on an unpackaged article indicates that the article can be considered for transport unpackaged. Such unpackaged articles may be fixed to cradles or contained in crates or other suitable handling, storage or launching devices in such a way that they will not become loose during normal conditions of transport.

3.3.1.14.1 Where such large explosive articles are, as part of their operational safety and suitability tests, subjected to test regimes that meet the intentions of these Instructions and such tests have been successfully undertaken, the appropriate national authority may approve such articles to be transported under these Instructions.

*Note 1.— The term receptacle used in the Inner and Intermediate packaging columns of this table includes boxes, bottles, cans, drums, jars and tubes, including any means of closure.*

*Note 2.— Reels are devices made of plastics, wood, fibreboard, metal or other suitable material comprising a central spindle with, or without, side walls at each end of the spindle. Articles and substances can be wound onto the spindle and may be retained by side walls.*

*Note 3.— Trays are sheets of metal, plastics, wood, fibreboard or other suitable material which are placed in the inner, intermediate or outer packaging and achieve a close-fit in such packaging. The surface of the tray may be shaped so that packagings or articles can be inserted, held secure and separated from each other.*

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**APPENDIX C**  
**SUMMARY SHEET**

<b>Class / Division</b>	<b>Subrisk</b>	<b>Packing Group</b>	<b>Comments or current assignment of sim substances</b>
<b>EXPLOSIVES CLASS 1</b>			
1.1A	6.1		Forbidden
	none		Forbidden
1.1B	none		Forbidden
1.1C	none		Forbidden
1.1D	6.1		Forbidden
	none		Forbidden
1.1E	none		Forbidden
1.1F	none		Forbidden
1.1G	none		Forbidden
1.1J	none		Forbidden
1.1L	none		Forbidden
1.2B	none		Forbidden
1.2C	none		Forbidden
1.2D	none		Forbidden
1.2E	none		Forbidden
1.2F	none		Forbidden
1.2G	6.1 and 8		Forbidden
1.2G	none		Forbidden
1.2H	none		Forbidden
1.2J	none		Forbidden
1.2K	6.1		Forbidden
1.2L	none		Forbidden
1.3C	6.1		Forbidden
1.3C	none		Forbidden
1.3C	none		UN0186 Rocket motors Forbidden PAX CAO 220 KG
1.3G	6.1 and 8		Forbidden
1.3G	none		Forbidden
1.3G	none		UN0050, UN0054, UN0093, UN0092, UN0240, UN0195 Forbidden PAX CAO 75 KG
1.3H	none		Forbidden
1.3J	none		Forbidden
1.3K	6.1		Forbidden
1.3L	none		Forbidden

<b>Class / Division</b>	<b>Subrisk</b>	<b>Packing Group</b>	<b>Comments or current assignment of sim substances</b>
1.4B	none		UN0383 Forbidden
1.4B	none		Forbidden PAX CAO 75 KG
1.4C	none		Forbidden PAX CAO 75 KG
1.4C	none		UN0448, UN0501, UN0407 Forbidden
1.4D	none		Forbidden PAX CAO 75 KG
1.4E	none		Forbidden PAX CAO 75 KG
1.4F	none		Forbidden
1.4G	6.1 and 8		Forbidden PAX CAO 75 KG
	none		Forbidden PAX CAO 75 KG
	none		UN 0503 Forbidden
1.5D			Forbidden

— END —