



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-THIRD MEETING

Montréal, 11 to 21 October 2011

Agenda Item 2: Development of recommendations for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)* for incorporation in the 2013-2014 Edition

DANGEROUS GOODS LIST — UN 1204 AND UN 2059 — EXCEPTED QUANTITY LIMIT E0

(Presented by A. Tusek)

SUMMARY

This paper proposes amendment to Part 3; Table 3-1 — Dangerous Goods List for the entries relating to UN 1204 Nitroglycerin solution in alcohol with not more than 1% nitroglycerin and UN 2059 Nitrocellulose solution, flammable with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose to be permitted as an Excepted Quantity E2.

Action by the DGP: The DGP is invited to consider amending the excepted quantity entries for UN 1204 **Nitroglycerin solution in alcohol** with not more than 1% nitroglycerin and UN 2059 **Nitrocellulose solution, flammable** with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose

- UN 1204 in PG II would change from E0 to E2.
- UN 2059 in PG II would change from E0 to E2.
- UN 2059 in PG III would change from E0 to E1

Alternatively, if a change to UN model regulations is required, support of this paper by the DGP is requested. The proposed changes are presented in the appendix to this working paper.

1. INTRODUCTION

1.1 Table 3-1 — Dangerous Goods List includes UN 1204 **Nitroglycerin solution in alcohol** with not more than 1% nitroglycerin and UN 2059 **Nitrocellulose solution, flammable** with not more

than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose. Both are Class 3 — liquid flammable with UN Packing Group II assigned. UN 2059 also has a Packing Group III entry.

1.2 For Packing Group II, the limited quantity Packing Instruction is Y341 and for Packing Group III the limited quantity Packing Instruction is Y344.

1.3 The excepted quantity limit is E0.

1.4 The least restrictive transport method is in limited quantity and Packing Instruction Y341 applies with a maximum net quantity of 1 L and Y344 allows 10 L.

1.5 Packing Instruction Y341 applies to many entries, such as; UN 1088, UN 1090, UN 1091, UN 1648, UN 1133, UN 1986, UN 1987, UN 1988, UN 1989, UN 2333, UN 2335, UN 3065 and UN 1111.

1.6 All entries using Packing Instruction Y341 also have a corresponding excepted quantity entry of E2. This includes entries such as UN 2354 and UN 2776 which also have a Division 6.1 sub-risk.

1.7 All entries using Packing Instruction Y344 also have a corresponding excepted quantity entry of E1. This includes entries such as UN 1189 and UN 3295.

1.8 UN 1204 and UN 2059 in Packing Group II are the only entries to which Y341 applies but E2 does not apply.

1.9 UN 2059 in Packing Group III is the only entry to which Y344 applies but E1 does not.

1.10 In relation to UN 1204 in Australia, this means that medicine in the form of a nitrolingual pump spray (nitroglycerin spray in a glass bottle) used to treat angina is despatched under the provisions for a limited quantity.

1.11 This appears to be an over regulation and significant cost burden having regard to what appears to be an anomaly in applying the excepted quantity provisions.

1.12 It is noted that the UN Model Regulations applies E0 to these items.

APPENDIX

Part 3

**DANGEROUS GOODS LIST,
SPECIAL PROVISIONS AND
LIMITED AND EXCEPTED QUANTITIES**

Table 3-1. Dangerous Goods List

Name 1	UN No. 2	Class or division 3	Subsidiary risk 4	Labels 5	State variations 6	Special provisions 7	UN packing group 8	Excepted quantity 9	Passenger aircraft		Cargo aircraft	
									Packing instruction 10	Max. net quantity per package 11	Packing instruction 12	Max. net quantity per package 13
Nitroglycerin solution in alcohol with not more than 1% nitroglycerin	1204	3		Liquid flammable	BE 3		II	E0 E2	371	5 L	371	60 L
									Y341	1 L		
Nitrocellulose solution, flammable with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	2059	3		Liquid flammable	BE 3	A3 A91	I II	E0 E0 E2	351	1 L	361	30 L
									353	5 L		
									Y341	1 L		
									355	60 L		
						III	E0 E1	Y344	10 L		220 L	

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