



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-FOURTH MEETING

Montréal, 28 October to 8 November 2013

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 2015-2016 Edition

PACKING INSTRUCTION 457

(Presented by Teun Muller)

SUMMARY

To be consistent with the UN Model Regulations in relation to the type of packagings allowed for the transport of UN 3241, **2-Bromo-2-nitropropane-1,3-diol**, this paper is proposing to remove all metal packagings from the list of authorized packagings in Packing Instruction 457.

Action by the DGP: The DGP is invited to remove all metal packagings from the list of outer packagings and from the list of single packagings in Packing Instruction 457.

1. INTRODUCTION

1.1 Packing Instruction 457 allows the transport of UN 3241, **2-Bromo-2-nitropropane-1,3-diol** in the following outer packagings of combination packagings: metal boxes (4A, 4B, 4N), metal drums (1A1, 1A2, 1B1, 1B2) and metal jerricans (3A1, 3A2, 3B1, 3B2) and in the following single packagings: metal drums (1A1, 1A2, 1B1, 1B2, 1N1, 1N2), metal jerricans (3A1, 3A2, 3B1, 3B2) and composite packagings (6HA1, 6HA2, 6HB1, 6HB2).

1.2 The equivalent packing instruction in the UN Model Regulations for UN 3241 is P520, packing method OP6. Packing method OP6, however, does not allow the use of metal packagings. To be consistent with the UN Model Regulations and not to be less restrictive than the UN Model Regulations, it is suggested to remove all metal packagings from Packing Instruction 457.

APPENDIX

PROPOSED AMENDMENT TO PART 4 OF THE TECHNICAL INSTRUCTIONS

Part 4

PACKING INSTRUCTIONS

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Chapter 6

CLASS 4 — FLAMMABLE SOLIDS; SUBSTANCES
LIABLE TO SPONTANEOUS COMBUSTION;
SUBSTANCES WHICH, IN CONTACT WITH WATER,
EMIT FLAMMABLE GASES

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6.2 PACKING INSTRUCTIONS

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Packing Instruction 457						
Passenger and cargo aircraft for UN 3241 only						
COMBINATION PACKAGINGS					SINGLE PACKAGINGS	
UN number and proper shipping name	Inner packaging (see 6;3.2)	Inner packaging quantity (per receptacle)	Total quantity per package — passenger	Total quantity per package — cargo	Passenger	Cargo
UN 3241 2-Bromo-2-nitropropane-1,3-diol	Glass	0.5 kg	25 kg	50 kg	25 kg	50 kg
	Plastics	1.0 kg				
	Plastic bag	1.0 kg				
ADDITIONAL PACKING REQUIREMENTS FOR COMBINATION PACKAGINGS						
— Packagings must meet the Packing Group II performance requirements.						
OUTER PACKAGINGS OF COMBINATION PACKAGINGS (see 6;3.1)						
<i>Boxes</i>		<i>Drums</i>		<i>Jerricans</i>		
Aluminium (4B)		Aluminium (1B1, 1B2)		Aluminium (3B1, 3B2)		
Fibreboard (4G)		Fibre (1G)		Plastics (3H1, 3H2)		
Natural wood (4C1, 4C2)				Steel (3A1, 3A2)		
Other metal (4N)		Plastics (1H1, 1H2)				
Plastics (4H1, 4H2)		Plywood (1D)				
Plywood (4D)		Steel (1A1, 1A2)				
Reconstituted wood (4F)						
Steel (4A)						

ADDITIONAL PACKING REQUIREMENTS FOR SINGLE PACKAGINGS

— Packagings must meet the Packing Group II performance requirements.

SINGLE PACKAGINGS

Composites

All (see 6.3.1.18)

Plastic receptacle with outer wooden box (6HC)

Plastic receptacle with outer plywood drum (6HD1)

Plastic receptacle with outer plywood box (6HD2)

Plastic receptacle with outer fibre drum (6HG1)

Plastic receptacle with outer fibreboard box (6HG2)

Plastic receptacle with outer plastic drum (6HH1)

Drums

~~Aluminium (1B1, 1B2)~~

~~Other metal (1N1, 1N2)~~

Plastics (1H1, 1H2)

~~Steel (1A1, 1A2)~~

Jerricans

~~Aluminium (3B1, 3B2)~~

Plastics (3H1, 3H2)

~~Steel (3A1, 3A2)~~

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