



WORKING PAPER

**DANGEROUS GOODS PANEL (DGP)
MEETING OF THE WORKING GROUP OF THE WHOLE**

Montréal, 15 to 19 October 2012

- 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**
- 2.3: Part 3 — Dangerous Goods List, Special Provisions and Limited and Excepted Quantities**

REVIEW OF CERTAIN DIVISION 4.2 SUBSTANCES

(Presented by D. Brennan)

SUMMARY

This working paper proposes that the DGP-WG review the current forbidden / forbidden status of certain substances in Division 4.2, Packing Group III.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 There are a number of substances of Division 4.2 in Packing Group III that are listed in Table 3-1 as forbidden/forbidden. Those shown as forbidden/forbidden are self-heating substances and, based on the classification criteria and criteria for assignment of packing groups it is questioned as to whether these should be forbidden/forbidden or whether this status should be reviewed to consider permitting these on passenger aircraft and/or cargo aircraft only.

1.2 The particular substances in question are not new substances and for the most part are unlikely to be offered for transport by air given the nature of the substances. There is though an issue of multi-modal harmonization, and in particular in the assignment of the excepted quantity “EQ” code where, as forbidden/forbidden in the Technical Instructions all of these substances are assigned to E0 in Table 3-1 but for the other modes of transport these substances are all assigned to E1 for PG III. An extract from the dangerous goods list in the UN Model Regulations for the substances is attached in the appendix for information.

1.3 A review of Part III, subsection 33.3.1 of the *UN Manual of Tests and Criteria* identifies that Packing Group III is only applicable if the substance is continuously exposed to high temperatures and/or is to be transported in very large quantities.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to:

2.2 The DGP-WG is invited to consider if the forbidden/forbidden status of the substances shown in the appendix to this working paper should be reviewed to allow for transport on passenger and/or cargo aircraft only and also if the EQ code assigned could be aligned to that assigned in the Dangerous Goods List in the UN Model Regulations.

2.3 If the DGP-WG agrees that these should be permitted for transport by air the DGP-WG is invited to consider if the current provisions applied to other Division 4.2 solids in Packing Group III packing instruction is appropriate. The limitations for Division 4.2 solids in PG III is 25 kg net quantity per package for passenger aircraft and 100 kg net quantity per package for cargo aircraft only and Packing Instruction 469 and Packing Instruction 471 respectively.

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APPENDIX

EXTRACT FROM UN MODEL REGULATIONS

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs	
						(7a)	(7b)	Packing instruction	Special packing provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)
1362	CARBON, ACTIVATED	4.2		III	223 (A3)	0	E1	P002	PP11
1361	CARBON, animal or vegetable origin	4.2		II		0	E2	P002	PP12
1361	CARBON, animal or vegetable origin	4.2		III	223 (A3)	0	E1	P002	PP12
2002	CELLULOID, SCRAP	4.2		III	223 (A3)	0	E1	P002	PP8
1363	COPRA	4.2		III	29	0	E1	P003	PP19
1364	COTTON WASTE, OILY	4.2		III		0	E1	P003	PP19
1365	COTTON, WET	4.2		III	29	0	E1	P003	PP19
1372	FIBRES, ANIMAL or FIBRES, VEGETABLE burnt, wet or damp	4.2		III	117	0	E1	P410	
1373	FIBRES or FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil	4.2		III		0	E1	P410	
1376	IRON OXIDE, SPENT or IRON SPONGE, SPENT obtained from coal gas purification	4.2		III	223 (A3)	0	E1	P002	
1379	PAPER, UNSATURATED OIL TREATED, incompletely dried (including carbon paper)	4.2		III		0	E1	P410	
1386	SEED CAKE with more than 1.5% oil and not more than 11% moisture	4.2		III	117	0	E1	P003	PP20

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