



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

CLARIFICATION OF SPECIAL PROVISIONS A46, A50 AND A77

(Presented by J. McLaughlin)

SUMMARY

This working paper presents a proposal to clarify that the requirement in Special Provisions A46, A50 and A77 (applicable to solids containing flammable, toxic or corrosive liquids (UN 3175, UN 3243 and UN 3244), respectively) that the packaging must pass a leakproofness test at the Packing Group II level is not applicable to the inner packagings of combination packagings.

Action by the DGP: The DGP is invited to agree to the proposal that Special Provisions A46, A50 and A77 be amended by inserting in each the words “for single packagings,” before the words “the packaging must pass a leakproofness test at the Packing Group II level”.

1. INTRODUCTION

1.1 Special Provisions A46 (applicable to UN3175, “Solids containing flammable liquid, n.o.s.”), A50 (applicable to UN3243, “Solids containing toxic liquid, n.o.s.”), and A77 (applicable to UN3244, “Solids containing corrosive liquid, n.o.s.”) each include a requirement that “the packaging must pass a leakproofness test at the Packing Group II level.” This requirement is not included in the corresponding UN special provisions (216, 217 and 218).

1.2 The leakproofness test referred to must be assumed to be that prescribed in 4;1.1.18 (which references the test procedure in 6;4.4.2) as a production test for single packagings intended to contain liquids, since the pressure required for that test varies according to the packing group of the liquids to be contained. While the DGP may have decided to go beyond the corresponding UN provisions

by imposing the requirement for a leakproofness test on single packagings employed for the air transport of solids containing liquids, this requirement is not considered to have been intended, nor is it considered appropriate, for application to the inner packagings of combination packagings containing such solids. Indeed, this leakproofness test is not even required for the inner packagings of combination packagings containing liquids. Consequently, this document proposes amendments to Special Provisions A46, A50 and A77 to clarify that the prescribed leakproofness test is applicable only to single packagings, and, therefore, not to the inner packagings of combination packagings. Examples of solids containing liquids transported in combination packagings include alcohol-impregnated wipes (not meeting the conditions for the exception provided in Special Provision A46 because an aggregate of more than 10 mL of alcohol is contained in the inner packaging) transported in tightly (hermetically) sealed plastics packagings, and alcohol-impregnated solid fuels used for cooking or heating food contained in tightly (hermetically) sealed plastics or metal inner packagings.

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APPENDIX

PROPOSED AMENDMENTS TO THE TECHNICAL INSTRUCTIONS

Part 3

DANGEROUS GOODS LIST,
SPECIAL PROVISIONS AND
LIMITED AND EXCEPTED QUANTITIES

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Chapter 3

SPECIAL PROVISIONS

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Table 3-2. Special provisions

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A46	Mixtures of solids which are not subject to these Instructions and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, providing there is no free liquid visible at the time the substance is packaged and, <u>for single packagings</u> , the packaging must pass a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Instructions provided there is no free liquid in the packet or articles.
A50	Mixtures of solids which are not subject to these Instructions and toxic liquids may be transported under this entry without first applying the classification criteria of Division 6.1, providing there is no free liquid visible at the time the substance is packaged and, <u>for single packagings</u> , the packaging must pass a leakproofness test at the Packing Group II level. This entry must not be used for solids containing a Packing Group I liquid.
A77	Mixtures of solids which are not subject to these Instructions and corrosive liquids may be transported under this entry without first applying the classification criteria of Class 8, providing there is no free liquid visible at the time the substance is packaged and, <u>for single packagings</u> , the packaging must pass a leakproofness test at the Packing Group II level.

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