



WORKING PAPER

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

Virtual Meeting, 24 to 28 May 2021

Agenda Item 2: Managing air-specific safety risks and identifying anomalies

2.2: Develop proposals, if necessary, for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) for incorporation in the 2023-2024 Edition

EDITORIAL CORRECTION OF PART 2

(Presented by M. Araya)

SUMMARY

This working paper proposes to correct editorial errors in Part 2;4.2.3.3 and 5.3.3.1.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 Part 2;4.2.3.3 of the Technical Instructions forbids the transport of self-reactive substances which require temperature control during transport unless exempted, and a reference to 1;1.1.2 is provided. However, since 1;1.1.2 is the provision for the granting of approvals, it is proposed that the provision for the granting of an exemption in 1;1.1.3 should be referred to.

1.2 Likewise, Part 2;5.3.3.1 forbids the transport of organic peroxides which require temperature control during transport unless exempted, and a reference to 1;1.1.2 is provided. However, other than for organic peroxides of Type C, Special Provision A2 is applied to these substances. It is therefore proposed to replace “unless exempted” with “unless approved or exempted” and to update the reference accordingly.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to discuss and adopt the amendment to Part 2;4.2.3.3 and Part 2;5.3.3.1 of the Technical Instructions proposed in the appendix to this working paper.

APPENDIX

PROPOSED AMENDMENT TO PART 2 OF THE TECHNICAL INSTRUCTIONS

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Chapter 4

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

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**4.2 FLAMMABLE SOLIDS, SELF-REACTIVE SUBSTANCES, DESENSITIZED EXPLOSIVES
AND POLYMERIZING SUBSTANCES**

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4.2.3.3 *Temperature control requirements*

With the exception of self-reactive solids of type B, which are forbidden for transport by air under any circumstance, self-reactive substances which require temperature control during transport are forbidden for transport by air unless exempted (see 1;1.1.2.3). Self-reactive substances must be subject to temperature control if their self-accelerating decomposition temperature (SADT) is less than or equal to 55°C. Test methods for determining the SADT are given in the current edition of the UN *Manual of Tests and Criteria*. The test selected must be conducted in a manner which is representative of the package to be transported both in size and material of construction.

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Chapter 5

CLASS 5 — OXIDIZING SUBSTANCES; ORGANIC PEROXIDES

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5.3 ORGANIC PEROXIDES (DIVISION 5.2)

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5.3.3 TEMPERATURE CONTROL REQUIREMENTS

5.3.3.1 An organic peroxide formulation must be regarded as possessing explosive properties when, in laboratory testing, the formulation is liable to detonate, to deflagrate rapidly or to show a violent effect when heated under confinement. With the exception of organic peroxides of type B, which are forbidden for transport by air under any circumstance, organic peroxides requiring temperature control during transport are forbidden for transport by air unless approved or exempted (see 1;1.1.2 and 1.1.3).

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