



**WORKING PAPER**

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

**The Hague, 3 to 7 November 2008**

**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 2011/2012 Edition**

**2.2: Part 2 — Classification**

**2.5: Part 5 — Shipper's Responsibilities**

**CLASSIFICATION OF SELF-REACTIVE SUBSTANCES AND ORGANIC PEROXIDES**

(Presented by K. Vermeersch)

**SUMMARY**

Part 2;4.2.3.2.5 and Part 2;5.3.2.5 of the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) require the classification of self-reactive substances not listed in Table 2-6 and the classification of organic peroxides not listed in Table 2-7 be made by the competent authority of the State of Origin on the basis of a test report. A statement of approval containing the classification and the relevant transport conditions must be attached to the dangerous goods transport document. It is not clear which actions are required from the authority in case the self-reactive substances or organic peroxides belong to type G, which is not subject to the provisions for self-reactive substances or organic peroxides respectively.

Action by the DGP-WG is in paragraph 2.

**1. INTRODUCTION**

1.1 Part 2;4.2.3.2.5 requires that the classification of self-reactive substances not listed in Table 2-6 and the assignment to a generic entry must be made by the appropriate authority of the State of Origin on the basis of a test report. The statement of approval must contain the classification and the relevant transport conditions. An identical requirement exists for organic peroxides not listed in Table 2-7 (Part 2;5.3.2.5). It is my understanding that in case the test report classifies the self-reactive substance or organic peroxide as type G, which is not subject to the provisions of self-reactive substances or organic peroxides respectively, such an approval must not be delivered. Some countries however (e.g. Italy) have a different opinion and believe that even when the substance is not subject to the transport regulations, an approval must be delivered and must accompany a transport document.

1.2 The Technical Instructions do not contain the relevant paragraphs of the UN Model Regulations which clearly explain the classification of self-reactive substances and organic peroxides in seven types (UN Model Regulations 2.4.2.3.2.1 and 2.5.3.2.2).

## 2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to introduce in the Technical Instructions paragraphs 2.4.2.3.2.1 and 2.5.3.2.2 of the UN Model Regulations:

### Part 2

## CLASSIFICATION OF DANGEROUS GOODS

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### Chapter 4

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#### 4.2.3.2 Classification of self-reactive substances

4.2.3.2.1 Self-reactive substances are classified into seven types according to the degree of danger they present. The types of self-reactive substance range from type A, which may not be accepted for transport in the packaging in which it is tested, to type G, which is not subject to the provisions for self-reactive substances of Division 4.1. The classification of Types B to F is directly related to the maximum quantity allowed in one packaging.

### Chapter 5

#### 5.3.2 Classification of organic peroxides

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5.3.2.2 Organic peroxides are classified into seven types according to the degree of danger they present. The types of self-reactive substance range from type A, which may not be accepted for transport in the packaging in which it is tested, to type G, which is not subject to the provisions for organic peroxides of Division 5.2. The classification of types B to F is directly related to the maximum quantity allowed in one packaging.

2.2 If the panel is of the opinion that the text is not sufficiently clear and that for type G self-reactive substances and organic peroxides no approval is required, the UN Committee of Experts should be asked to clarify the text in 2.4.2.3.2.4 and 2.5.3.2.5. A note could be added indicating that for Type G self-reactive substances and organic peroxides no approval is required.

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