



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
- 2.3:** Part 3 — Dangerous Goods List, Special Provisions and Limited and Excepted Quantities
- 3:** Development of recommendations for amendments to the *Supplement to the Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) for incorporation in the 2011/2012 Edition

**PROPER SHIPPING NAME FOR UN 1950 AEROSOLS FOR TYPES
THAT HAVE NARCOTIC, NOXIOUS OR OTHER PROPERTIES**

(Presented by Adrian Tusek)

SUMMARY

This paper proposes amendment to Table 3-1 of the Technical Instructions to recognize that some UN 1950 Aerosols which are non-flammable or flammable without a subsidiary risk may present a risk whereby they have narcotic, noxious or similar properties and should be limited to transport on Cargo Aircraft Only.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 Table 3-1 — Dangerous Goods List provides the list of dangerous goods and associated transport restrictions.

1.2 Seventeen entries for UN 1950 Aerosols exist and cater for aerosols of various divisions and classes with or without subsidiary risks.

1.3 One entry is given as UN 1950 Aerosols, non-flammable (tear gas devices) of Division 2.1 with a subsidiary risk of Division 6.1 and Forbidden on passenger aircraft but permitted on Cargo Aircraft Only under Packing Instruction 212. Special Provisions A1, A145 and A153 apply.

1.4 A corresponding entry is not provided for UN 1950 Aerosols, flammable (tear gas devices) without a subsidiary risk.

1.5 Defensive products now include Aerosols that are UN 1950 Aerosols, flammable and UN 1950 Aerosols, non-flammable with no subsidiary risks but which are similar to 'tear gas'. They include substances not covered by any of the other classes but have narcotic, noxious or other properties such that, in the event of spillage or leakage on an aircraft, extreme annoyance or discomfort could be caused to crew members so as to prevent the correct performance of assigned duties.

1.6 The most common examples are aerosol dispensers of Oleo-resin capsicum which may affect crew members of an aircraft to such an extent that they are unable to perform their duties.

1.7 It is not appropriate to permit the carriage of these defensive type aerosols on passenger aircraft and appropriate entries should exist in Table 3-1 to provide for transport of any aerosols that contain a substance that is an 'incapacitant'.

1.8 'Incapacitants' are currently recognized in the dangerous goods list as UN 3334 Aviation regulated liquid or UN 3335 Aviation regulated solid and placed into Class 9. An entry is not proposed for UN 1950 Aerosols, flammable Division 2.1 with a subsidiary risk of Class 9 nor an entry for UN 1950 Aerosols, non-flammable with a subsidiary risk of Class 9.

1.9 Special Provision A27 provides a good description of 'incapacitants' as follows:

A27 This includes any substance which is not covered by any of the other classes but which has narcotic, noxious or other properties such that, in the event of spillage or leakage on an aircraft, extreme annoyance or discomfort could be caused to crew members so as to prevent the correct performance of assigned duties.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to:

a) create two new entries in Table 3-1 to read as follows:

UN1950 Aerosols, flammable (tear gas devices or incapacitant) Division 2.1; and

UN 1950 Aerosols, non-flammable (tear gas devices or incapacitant) Division 2.2;

b) apply special provisions to the new entries as A1, A27, A145 and A153;

c) apply the same State Variations, Maximum net Quantity, Passenger Aircraft and Cargo Aircraft restrictions as are currently listed for UN 1950 Aerosols, flammable (tear gas devices) Division 2.2, Subsidiary risk 6.1;

d) apply a choice of Packing Instruction 203 or 204 or 212; and

e) add a corresponding entry for carriage on passenger aircraft in the *Supplement to the Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284su) for guidance of States.

Table 3-1. Dangerous Goods List

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
Aerosols, flammable (tear gas devices or incapacitants)	1950	2.1		Gas flammable		A1 A27 A145 A153			FORBIDDEN		203 or 204 or 212	50 kg
Aerosols, non-flammable (tear gas devices or incapacitants)	1950	2.2		Gas non-flammable		A1 A27 A145 A153			FORBIDDEN		203 or 204 or 212	50 kg

Table S-3-1. Supplementary Dangerous Goods List

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Passenger aircraft		Cargo aircraft	
								Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	10	11	12	13
Aerosols, flammable (tear gas devices or incapacitants)	1950	2.1		Gas flammable	AU 1 US 3	A1 A27 A145 A153		203 or 204 or 212	(50 kg)	203 or 204 or 212	50 kg
Aerosols, non-flammable (tear gas devices or incapacitants)	1950	2.2		Gas non-flammable	AU 1 US 3	A1 A27 A145 A153		203 or 204 or 212	(50 kg)	203 or 204 or 212	50 kg

— END —