



**WORKING PAPER**

**DANGEROUS GOODS PANEL (DGP)**

**TWENTY-EIGHTH MEETING**

**Virtual, 15 to 19 November 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**

**REVISIONS TO THE EXCEPTED QUANTITY CODE E0**

(Presented by P. Guo)

**SUMMARY**

This working paper proposes revisions to the excepted quantity codes in Table 3-1 for the sake of consistency.

Action by the DGP is in paragraph 2.

**1. INTRODUCTION**

1.1 The provisions for excepted quantities have become more concise and clear since the excepted quantity codes E0 through E5 were added to the Dangerous Goods List (Table 3-1) of the *Technical Instructions*. However, some inconsistencies have been identified.

1.2 Dangerous goods that are forbidden on both passenger and cargo aircraft are obviously not to be transported as an excepted quantity, so they are not assigned E0 in the *Technical Instructions for the Safe Transport of Dangerous Goods by Air*. For example:

Allyl alcohol	1098	6.1	3							FORBIDDEN	FORBIDDEN
Allylamine	2334	6.1	3							FORBIDDEN	FORBIDDEN

However, some dangerous goods that are prohibited for passenger and cargo aircraft are still assigned E0, such as UN 2381, UN 3048, UN 3094, UN 3098, UN 3509, UN 3512, UN 3514-UN 3526, UN 3533, UN 3534, and UN 3536.

1.3 UN 0501 — **Propellant, solid** and UN 0509 — **Powder, smokeless** are explosives which are forbidden on passenger aircraft and only permitted for transport on cargo aircraft. Explosives are not permitted for transport as an excepted quantity, but UN 0501 and UN 0509 are not assigned E0.

2. **ACTION BY THE DGP**

2.1 The DGP is invited to amend Table 3-1 as shown in the appendix to this working paper.:

-----

APPENDIX

AMENDMENT TO THE DANGEROUS GOODS LIST (TABLE 3-1)

Part 3

**DANGEROUS GOODS LIST,  
SPECIAL PROVISIONS AND  
LIMITED AND EXCEPTED QUANTITIES**

...

Table 3-1. Dangerous Goods List

Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4		6	7	8	9	10	11	12	13
Propellant, solid	0501	1.4C		Explosive 1.4				E0	FORBIDDEN		114	75 kg
Powder, smokeless †	0509	1.4C		Explosive 1.4				E0	FORBIDDEN		114	75 kg
Dimethyl disulphide	2381	3	6.1					E0	FORBIDDEN		FORBIDDEN	
Aluminium phosphide pesticide	3048	6.1						E0	FORBIDDEN		FORBIDDEN	
Corrosive liquid, water-reactive, n.o.s.	3094	8	4.3	Corrosive & Danger if wet				E0	FORBIDDEN		FORBIDDEN	
Oxidizing liquid, corrosive, n.o.s.*	3098	5.1	8	Oxidizer & Corrosive				E0	FORBIDDEN		FORBIDDEN	
Packagings, discarded, empty, uncleaned	3509	9						E0	FORBIDDEN		FORBIDDEN	
Adsorbed gas, toxic, n.o.s.*	3512	2.3						E0	FORBIDDEN		FORBIDDEN	
Adsorbed gas, toxic, flammable, n.o.s.*	3514	2.3	2.1					E0	FORBIDDEN		FORBIDDEN	
Adsorbed gas, toxic, oxidizing, n.o.s.*	3515	2.3	5.1					E0	FORBIDDEN		FORBIDDEN	
Adsorbed gas, toxic, corrosive, n.o.s.*	3516	2.3	8					E0	FORBIDDEN		FORBIDDEN	

...

Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4		6	7	8	9	10	11	12	13
Adsorbed gas, toxic, flammable, corrosive, n.o.s.*	3517	2.3	2.1 8					☐	FORBIDDEN		FORBIDDEN	
Adsorbed gas, toxic, oxidizing, corrosive, n.o.s.*	3518	2.3	5.1 8					☐	FORBIDDEN		FORBIDDEN	
Boron trifluoride, adsorbed	3519	2.3	8					☐	FORBIDDEN		FORBIDDEN	
Chlorine, adsorbed	3520	2.3	5.1 8					☐	FORBIDDEN		FORBIDDEN	
Silicon tetrafluoride, adsorbed	3521	2.3	8					☐	FORBIDDEN		FORBIDDEN	
Arsine, adsorbed	3522	2.3	2.1					☐	FORBIDDEN		FORBIDDEN	
Germane, adsorbed	3523	2.3	2.1					☐	FORBIDDEN		FORBIDDEN	
Phosphorus pentafluoride, adsorbed	3524	2.3	8					☐	FORBIDDEN		FORBIDDEN	
Phosphine, adsorbed	3525	2.3	2.1					☐	FORBIDDEN		FORBIDDEN	
Hydrogen selenide, adsorbed	3526	2.3	2.1					☐	FORBIDDEN		FORBIDDEN	
Polymerizing substance, solid, temperature controlled, n.o.s.*	3533							☐	FORBIDDEN		FORBIDDEN	
Polymerizing substance, liquid, temperature controlled, n.o.s.*	3534	4.1						☐	FORBIDDEN		FORBIDDEN	
Lithium batteries installed in cargo transport unit lithium ion batteries or lithium metal batteries	3536	9						☐	FORBIDDEN		FORBIDDEN	

— END —