

**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals**

Sub-Committee of Experts on the Transport of Dangerous Goods

5 December 2012

Forty-second session

Geneva, 3 – 11 December 2012

Item 2 (b) of the provisional agenda

**Recommendations made by the Sub-Committee on its thirty-ninth,
fortieth and forty-first sessions and pending issues:
listing, classification and packing**

Assignment of packing groups to articles

Transmitted by the International Air Transport Association (IATA)

1 In the discussion of paper ST/SG/AC.10/C.3/2012/61 and INF.11 there was some comment on the removal of the packing group for the entry for UN 2870 ALUMINIUM BOROXYDRIDE IN DEVICES. Unlike fuel cell cartridges and many other articles there is no specification or definition of what constitutes a “device” for the purposes of this entry, consequently it has been decided to leave this entry as currently shown in the dangerous goods list.

Similarly, for UN 3165, AIRCRAFT HYDRAULIC UNIT FUEL TANK in looking at the existing assigned packing instruction, P301, there is no requirement for specification packaging, although the packaging specified is very robust and would appear to exceed Packing Group I performance standards. On that basis it has been decided to leave the entry as is.

Proposal

2. Revise the dangerous goods list as follows:

UN No.	Name and description	Class		UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs	
		or division	Subsidiary risk			(7a)	(7b)	Packing instruction	Special packing provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)
1700	TEAR GAS CANDLES	6.1	4.1	II		0	E0	P600	
2016	AMMUNITION, TOXIC, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	6.1		II		0	E0	P600	
2017	AMMUNITION, TEAR-PRODUCING, NON-EXPLOSIVE without burster or	6.1	8	II		0	E0	P600	

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	Special provisions	Limited and excepted quantities	Packagings and IBCs	
							Packing instruction	Special packing provisions
	expelling charge, non-fuzed							
3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)	9		II	188 230 310	0	E0	P903
3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)	9		II	188 230 360	0	E0	P903
3268	AIR BAG INFLATORS, or AIR BAG MODULES, or SEAT-BELT PRETENSIONERS†	9		III	280 289	0	E0	P902 LP902
3292	BATTERIES, CONTAINING SODIUM, or CELLS CONTAINING SODIUM	4.3		II	239	0	E0	P408
3356	OXYGEN GENERATOR, CHEMICAL †	5.1		II	284	0	E0	P500
3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9		II	188 230 310 348	0	E0	P903
3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)	9		II	188 230 348 360	0	E0	P903

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	Special provisions	Limited and excepted quantities	Packagings and IBCs	
							Packing instruction	Special packing provisions
3506	MERCURY CONTAINED IN MANUFACTURED ARTICLES	8	6.1	III	366	5 kg E0	P003	PP90

3. Revise paragraph 2.0.1.3 as follows:

“2.0.1.3 For packing purposes, substances other than those of Classes 1, 2 and 7, divisions 5.2 and 6.2 and other than self-reactive substances of Division 4.1 are assigned to three packing groups in accordance with the degree of danger they present:

Packing group I: Substances presenting high danger;

Packing group II: Substances presenting medium danger; and

Packing group III: Substances presenting low danger.

The packing group to which a substance is assigned is indicated in the Dangerous Goods List in Chapter 3.2.

Articles are not assigned packing groups. For packing purposes any requirement for a specific packaging performance level is set out in the packing instruction applicable.”

4. Modify the guiding principles as follows:

Part 2

Classification

Classification and definitions of classes of dangerous goods

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Criteria for classification and assignment to a Packing Group conform to those set out in the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

The criteria do not apply to articles, which are not assigned a packing group.

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Part 4

Packing and tank provisions

4.1 Basic principles for developing packing instructions for the Model Regulations

General provisions:

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The following should form the template for any new proposal to the UN Subcommittee of experts for new Packing Instruction (PXXX) for Classes/Divisions 3, 4, 5.1, 6, 8 or 9.

PXXX PACKING INSTRUCTION	PXXX
For specific UN number(s) ONLY: This instruction applies to UNXXXX..... (E.g. see P301)	
The following packagings are authorized, provided that the general provisions of 4.1.1 and 4.1.3 are met: Sometimes additional paragraphs will need to be quoted or alternatives given e.g. P620 <u>Packing instructions for articles should consider the required packaging performance standard.</u>	
Maximum net mass (see 4.1.3.3)	
Combination packagings	
Inner packagings	Outer packagings
List permitted types and capacity/mass	Drums List permitted types Boxes List permitted types Jerricans List permitted types
Maximum capacity (see 4.1.3.3)	
Single packagings	
Drums List permitted types Jerricans List permitted types Boxes List permitted types Bags List permitted types	
Composite packagings List permitted types	
Pressure receptacles , provided the general provisions of 4.1.3.6 are met If 4.1.3.6 is not sufficient then the use of cylinders should be addressed in detail. E.g.P602(4)	
Additional requirements This section should contain additional packaging information which should be applicable to specific or all the packaging choices listed above	
Special packing provision PPXX For UNxxxx..... These should address specific requirements for individual or groups of substances. The provision should only address packaging issues and not classification or operational provisions.	

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