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**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

Twenty-seventh session, 4-8 July 2005  
Item 5 of the provisional agenda

LIMITED QUANTITIES

Excepted Quantities

Transmitted by the expert from the United Kingdom

1. The Sub-Committee will recall the discussions that have taken place during the last two biennia on this subject; the last full discussion was held during the July 2004 session. Unfortunately despite extensive debate, the Sub-Committee found it difficult to reach a clear decision on suitable text that could be adopted. However it did agree that work could continue during this biennium and the United Kingdom hopes that momentum can be maintained to enable some progress in this difficult area to be made.
2. As a first step the United Kingdom proposes the adoption of text on Excepted Quantities. The expert from the United Kingdom recalls that during the last full debate the suggestion put forward by the expert from the United Kingdom and others that text based on the air mode's existing Excepted Quantities provisions should be incorporated into the Model Regulations received support from some of the Sub-Committee. Excepted Quantities has been in use in the air mode for at least twenty years without any incidents that could cause concern, largely because of the stringent packaging requirements applied. Excepted quantities are also permitted for transport on board passenger aircraft and are not subject to the usual acceptance checks.
3. The expert from the United Kingdom asks that the Sub-Committee consider and adopt the proposals below as a first step to reforming the limited quantity provisions.

## 4. Proposal

**Include in Chapter 3.4 and renumber limited quantities as 3.4.1**

**New Chapter title; Dangerous Goods packed in Limited or Excepted Quantities**

**3.4.1 Limited Quantities**

Delete the first sentence of 3.4.1

Amend the existing second sentence by adding at the beginning of the sentence “For dangerous goods of certain classes packed in limited quantities; the applicable quantity”...

**3.4.2 Excepted quantities**

3.4.2.1 Small quantities of dangerous goods of certain classes meeting the provisions of 3.4.2.2, 3.4.2.3 and 3.4.2.4 are not subject to the other provisions of these Regulations except for the:

- (a) Classification procedures and packing group criteria in Part 2;
- (b) Conditions set down in any Special Provisions in Column 6 of the dangerous goods list.

3.4.2.2 Excepted quantities of dangerous goods may only be carried in accordance with the limitations and provisions contained in table 3.4.2.1 below:

**Table 3.4.2.1**

CLASS/ DIVISION	Packing Group I		Packing Group II		Packing Group III	
	Packagings		Packagings		Packagings	
	Inner	Outer	Inner	Outer	Inner	Outer
2.2	Inner packagings 30ml Outer packagings 1L					
3	30mL	300mL	30mL	500mL	30mL	1L
4.1 <sup>1</sup>	Transport prohibited		30g	500g	30g	1kg
4.2 <sup>2</sup>	Transport prohibited		30g	500g	30g	1kg
4.3	Transport prohibited		30g or 30mL	500g or 500mL	30g or 30mL	1kg or 1L
5.1	Transport prohibited		30g or 30mL	500g or 500mL	30g or 30mL	1kg or 1L
5.2	Inner 30ml or 30g/Outer 500g or 500ml ONLY WHEN CONTAINED IN A CHEMICAL KIT OR FIRST AID KIT					
6.1	Inner 1g or 1ml/Outer 250g or 250ml <sup>3</sup>		1g or 1mL	500g or 500mL	30g or 30mL	1kg or 1L
8	Transport prohibited		30g or 30mL	500g or 500mL	30g or 30mL	1kg or 1L
9	N/A		30g or 30mL	500g or 500mL	30g or 30mL	1kg or 1L

<sup>1</sup> other than self-reactive substances

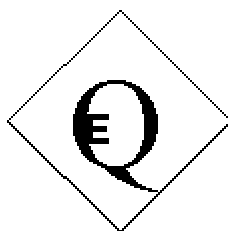
<sup>2</sup> other than pyrophoric substances

<sup>3</sup> other than substances toxic by inhalation where transport is prohibited

3.4.2.3 Packagings, including their closures, used for the transport of dangerous goods in excepted quantities shall be of good quality. Packaging materials which may come into contact with the substance or article shall not react dangerously with the substance or article and shall not adversely affect its packaging functions. In addition:

- a) Each inner packaging shall be constructed of plastic, glass, earthenware or metal;
- b) Each inner packaging shall be securely packed in an intermediate packaging with cushioning material. The intermediate packaging shall completely contain the contents in case of breakage or leakage, regardless of package orientation. For liquid dangerous goods, the intermediate packaging shall contain sufficient absorbent material to absorb the entire contents of the inner packaging. In such cases, the absorbent material may be the cushioning material. Dangerous goods shall not react dangerously with cushioning and absorbent material or adversely affect their properties;
- c) The intermediate packaging shall be securely packed in a strong, rigid outer packaging (wooden, fibreboard or other equally strong material);
- d) Dangerous goods in excepted quantities shall not be packed together in the same outer packaging if they react dangerously with each other and cause:
  - i) combustion and/or evolution of considerable heat;
  - ii) evolution of flammable, toxic or asphyxiant gases;
  - iii) the formation of corrosive substances; or
  - iv) the formation of unstable substances;
- e) Each package shall be of such size that there is adequate space to apply all necessary markings; and
- f) Overpacks may be used and may also contain packages of dangerous goods or goods not subject to these Regulations provided there are no packages enclosing different substances that might react dangerously with each other.

3.4.2.4 Each package prepared according to these provisions shall be durably and legibly marked as below:



Author's note: the symbol EQ can be taken to mean "Excepted Quantity" or "Quantité exceptée".

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