

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

22 November 2016

Sub-Committee of Experts on the Transport of Dangerous Goods

Fiftieth session

Geneva, 28 November–6 December 2016

Item 2 (c) of the provisional agenda

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

Packagings for infectious substances – modified proposal of ST/SG/AC.10/C.3/2016/69

Transmitted by the expert from Germany

Introduction

1. Following further discussions after submission of ST/SG/AC.10/C.3/2016/69, a slightly modified proposal is presented below.
2. The following changes have been included in the revised packing instruction:
 - It is not necessary to require the primary receptacle and the secondary packaging to be leakproof: Either the primary or the secondary receptacle shall be leakproof.
 - Fibreboard boxes should be allowed as an option for outer packagings due to their cushioning properties.
 - The capability of withstanding without leakage an internal pressure producing a pressure differential of not less than 95kPa is not necessary. The primary receptacle or the secondary packaging shall be capable of passing a leakproofness test according to 6.1.5.4.
 - A certain flexibility should be included with regard to the necessary disinfection of the inner packagings. Relevant factors might be the packaging type (flexible packagings are difficult to disinfect effectively) or operational procedures.
 - It is not necessary to require a packaging to be able to retain liquids (additional requirement 3) as the primary receptacle or the secondary packaging shall be leakproof
3. For the sake of readability, the proposal of paper 2016/69 is reproduced completely, changes are from the version in document 2016/69 are shown shaded. .

Proposal

4. 1.4.3.1.2: Amend the text of table 1.4.1 related to infectious substances to read as follows (new text underlined):

“Division 6.2 infectious substances of Category A (UN Nos. 2814 and 2900), medical or clinical waste of Category A (UN No. 35XX)”

5. Amend 2.6.3.2.1 to read as follows (new text underlined):

“2.6.3.2.1 Infectious substances shall be classified in Division 6.2 and assigned to UN 2814, UN 2900, UN3291, UN 3373 or UN 35XX, as appropriate.”

6. Amend sub-paragraph (a) of 2.6.3.2.3.9 as follows (new text underlined):

“(a) Medical waste (UN 3291 and UN 35XX)”

7. Amend paragraph 2.6.3.5.1 to read as follows (new text underlined, old text ~~stricken through~~):

“2.6.3.5.1 Medical or clinical wastes containing Category A infectious substances shall be assigned to ~~UN 2814 or UN 2900~~ UN 35XX as appropriate. Medical or clinical wastes containing infectious substances in Category B shall be assigned to UN 3291.”

8. Amend the note in 2.6.3.5.2 as follows (new text underlined):

“**NOTE:** The proper shipping name for UN 3291 is “CLINICAL WASTE, CATEGORY B, UNSPECIFIED, N.O.S” or “(BIO) MEDICAL WASTE N.O.S” or “REGULATED MEDICAL WASTE, N.O.S”. The proper shipping name for UN 35XX is CLINICAL WASTE, CATEGORY A, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, CATEGORY A, N.O.S. or REGULATED MEDICAL WASTE, CATEGORY A, N.O.S.”

9. Add the new UN No. 35XX to the dangerous goods list in 3.2.1 and modify the proper shipping name for UN 3291 accordingly:

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	Special provisions	Limited and excepted quantities	Packagings and IBCs		Portable tanks and bulk containers		
							Packing instruction	Special provisions	Instructions	special provisions	
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
	3.1.2	2.0	2.0	2.0.1.3	3.3	3	3	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	Special provisions	Limited and excepted quantities	Packagings and IBCs		Portable tanks and bulk containers	
							Packing instruction	Special packing provisions	Instructions	Special provisions
35XX	CLINICAL WASTE, CATEGORY A, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, CATEGORY A, N.O.S. or REGULATE D MEDICAL WASTE, CATEGORY A, N.O.S.	6.2				0 E 0	P62X			

Amend the proper shipping name of UN 3291 as follows: CLINICAL WASTE, CATEGORY B, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, CATEGORY B, N.O.S. or REGULATED MEDICAL WASTE, CATEGORY B, N.O.S.

10. Add the new UN No. 35XX to Appendix A (List of generic and N.O.S. proper shipping names):

Class or Division	Subsidiary Risk	UN No	Proper Shipping Name
DIVISION 6.2			
Specific entries			
6.2		35XX	CLINICAL WASTE, CATEGORY A, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, CATEGORY A, N.O.S. or REGULATED MEDICAL WASTE, CATEGORY A, N.O.S.

Amend the proper shipping name of UN 3291 as follows: CLINICAL WASTE, CATEGORY B, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, CATEGORY B, N.O.S. or REGULATED MEDICAL WASTE, CATEGORY B, N.O.S.

11. Add the new UN No. 35XX to the alphabetical index of substances and articles:

Name and description	Class	UN No.
CLINICAL WASTE, CATEGORY A, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, CATEGORY A, N.O.S. or REGULATED MEDICAL WASTE, CATEGORY A, N.O.S.	6.2	35XX

Amend the proper shipping name of UN 3291 as follows: CLINICAL WASTE, CATEGORY B, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, CATEGORY B, N.O.S. or REGULATED MEDICAL WASTE, CATEGORY B, N.O.S

12. Add the new packing instruction P62X:

62X	PACKING INSTRUCTION	62X
This instruction applies to UN No.35XX		
<p>The following packagings are authorized provided that the general provisions of 4.1.8 are met: Packagings meeting the requirements of Chapter 6.3 and approved accordingly consisting of</p> <p>(a) An inner packaging comprising:</p> <ul style="list-style-type: none"> (i) a primary receptacle; (ii) a secondary packaging; (iii) sufficient absorbent material to absorb the entire amount of liquid present; <p style="padding-left: 40px;">Each secondary packaging shall contain only one primary receptacle. The primary receptacle and the secondary packaging shall be of metal or plastics.</p> <p>(b) A rigid outer packaging:</p> <ul style="list-style-type: none"> <li style="padding-left: 80px;">Drums (1A2, 1B2, 1N2, 1H2) <li style="padding-left: 80px;">Boxes (4A, 4B, 4 N, 4G, 4H2) <li style="padding-left: 80px;">Jerricans (3A2, 3B2, 3H2) 		
Additional requirement:		
<ol style="list-style-type: none"> 1. The primary receptacle or the secondary packaging shall be capable of passing a leakproofness test according to 6.1.5.4. The air pressure to be applied shall be not less than 30 kPa. 2. The exterior surface of the primary and/or secondary packagings shall be disinfected before being packed into the outer packaging respectively as recommended by the Competent Public Health Authority. 3. For sharp objects such as needles and broken glass, the primary receptacle shall be resistant to puncture or an additional packaging resistant to puncture shall be used. 		

17. Amend 6.3.4 as follows:

Insert two new paragraphs 6.3.4.2 (d) and (e):

“(d) For packagings tested for solid infectious substances only, the maximum gross mass in kilograms;

(e) For packagings tested for solid infectious substances only, the letter "S";”

The remaining entries of the list in 6.3.4.2 change from (d) – (g) to (f) – (i) respectively. In 6.3.4.3, replace “6.3.4.2 (a) to (g)” with “6.3.4.2 (a) to (i)”.

Amend 6.3.4.4 as follows:

6.3.4.4 Examples of marking

4G/CLASS 6.2/06 as in 6.3.4.2 (a), (b), (c) and (f)

S/SP-9989-ERIKSSON as in 6.3.4.2 (g) and (h)

4G/CLASS 6.2/15/S/06 as in 6.3.4.2 (a), (b), (c), (d) and (e)

S/SP-9989-ERIKSSON _____ as in 6.3.4.2 (g) and (h)

18. In 6.3.5.1.6 g) replace “6.3.4.2 (a) to (f)” with “6.3.4.2 (a) to (h)” and “6.3.4.2 (g)” with “6.3.4.2 (i)”.
19. Amend 6.3.5.2.1 to read as follows (new text underlined):
- “6.3.5.2.1 Samples of each packaging shall be prepared as for transport except that a liquid or solid infectious substance shall be replaced by water or, where conditioning at -18 °C is specified, by water/antifreeze. Each primary receptacle shall be filled to not less than 98 % of its capacity. In deviation from this primary receptacles of packagings for clinical waste of category A (UN No. 35XX) maybe filled with solids to the maximum gross mass at which they may be used.”
20. Amend 6.3.5.3.1 to read as follows (new text underlined):
- “6.3.5.3.1 Samples shall be subjected to free-fall drops from a height of 9 m onto a non-resilient, horizontal, flat, massive and rigid surface in conformity with 6.1.5.3.4. The competent authority may permit equivalent evaluation methods.”
21. Amend 6.3.5.3.5 to read as follows (new text underlined):
- “6.3.5.3.5 Following the appropriate drop sequence, there shall be no leakage from the primary receptacle(s) which shall remain protected by cushioning/adsorbent material in the secondary packagings. For packagings for clinical waste of category A (UN No. 35XX), the entire contents are retained by the inner receptacle, even if the closure while retaining its containment function, is no longer sift-proof.”
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