

Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Dangerous Goods

21 September 2023

Joint Meeting of the RID Committee of Experts and the
Working Party on the Transport of Dangerous Goods

Geneva, 19–27 September 2023

Item 5 (a) of the provisional agenda

**Proposals for amendments to RID/ADR/ADN:
pending issues**

Alternative proposal to documents ECE/TRANS/WP.15/AC.1/2023/51, INF.33, INF.41

Carriage in bulk of specific categories of wastes containing asbestos (UN Nos. 2590 and 2212)

Transmitted by the Government of France

Based on the discussions in plenary, a new proposal modified drafted as follows could be adopted.

OPTION WITH DEFINITION:

Proposal 1

1. At 1.2.1, introduction of a definition of container bag:

“Container-bag”: a bag of the size of the loading compartment for carriage in bulk, intended to be loaded only when placed inside a bulk loading compartment with rigid walls and not intended for handling or to be used alone outside of the bulk containment.

2. Amend Table A of Chapter 3.2 as follows:

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2212	ASBESTOS, AMPHIBOLE (amosite, tremolite, actinolite, anthophyllite, crocidolite)	9	M1	II	9	168 274 542 <u>xxx</u>	1 kg	E0	P002 IBC08	PP37 B4	MP10	T3	TP33
2590	ASBESTOS, CHRYBOTILE	9	M1	III	9	168 <u>xxx</u>	5 kg	E1	P002 IBC08 R001	PP37 B4	MP10	T1	TP33

(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
SGAH	TU15	(ADR:) AT	2 (E)	W11/ V11	VC1 VC2 <u>APxx</u>	CW13 CW28 CW31 CWxx/ CV1 CV13 CV28 <u>CVxx</u>	CE9/ S19	90	2212	ASBESTOS, AMPHIBOLE (amosite, tremolite, actinolite, anthophyllite, crocidolite)
SGAH	TU15	(ADR:) AT	3 (E)	W11/ V11	VC1 VC2 <u>APxx</u>	CW13 CW28 CW31 <u>CWxx</u> CV13 CV28 <u>CVxx</u>	(RID:) CE11	90	2590	ASBESTOS, CHRYSTILE

Proposal 2

Option 2 A

(Refers to proposal in paragraph 7 in document ECE/TRANS/WP.15/AC.1/2023/51)

3. In Chapter 3.3.1, add the following new special provision:

“xxx: Waste consisting of objects and materials contaminated with free asbestos (UN Nos. 2212 and 2590 not fixed or immersed in a binder in such a way that no emission of hazardous quantities of respirable asbestos can occur) may be carried under the provisions of Chapter 7.3 provided the following provisions are complied with:

(a) The waste is transported only from the site where it is generated to a final disposal facility. Between these two types of sites only intermediate storage operations, without unloading or transferring the container bag, are authorized;

(b) The waste belongs to one of these categories:

(i) Solid waste from roadworks, including asphalt milling waste contaminated with free asbestos and its sweeping residues;

(ii) Soil contaminated with free asbestos;

(iii) Objects (for example furniture) contaminated with free asbestos from damaged structures or buildings;

(iv) Materials from damaged structures or buildings contaminated with free asbestos which, because of their volume or mass, cannot be packed in accordance with the packing instruction applicable to the UN number used (UN No. 2212 or UN No. 2590, as appropriate);

(v) Construction site waste contaminated with free asbestos from demolished or rehabilitated structures or buildings which, because of their size or mass, cannot be packed in accordance with the packing instruction

applicable to the UN number used (UN No. 2212 or UN No. 2590, as appropriate). Such asbestos-contaminated waste shall belong only to the following categories:

- roof and facade elements (asbestos-containing roofs, bituminous coatings, insulation, structural elements, window frames, etc.);
- ceiling elements;
- floors and parts of floors;
- piping elements (including valves and fittings);
- pipes and ducts;
- partition fragments;
- fragments of concrete slabs.

(c) Waste covered by these provisions shall not be mixed or loaded with other asbestos-containing waste or any other hazardous or non-hazardous waste;

(d) Each shipment shall be considered a “full load” as defined in 1.2.1.”

(e) The transport document shall be in conformity with 5.4.1.1.4.

Option 2B

(Refers to proposal in paragraph 8 in document ECE/TRANS/WP.15/AC.1/2023/51)

4. In Chapter 3.3, add the following new special provision:

“xxx: Waste consisting of objects and materials contaminated with free asbestos (UN Nos. 2212 and 2590 not fixed or immersed in a binder in such a way that no emission of hazardous quantities of respirable asbestos can occur) may be carried under the provisions of Chapter 7.3 provided the following provisions are complied with:

(a) The waste is transported only from the site where it is generated to a final disposal facility. Between these two types of sites only intermediate storage operations, without unloading or transferring the container bag, are authorized;

(b) The waste belongs to one of these categories:

(i) Solid waste from roadworks, including asphalt milling waste contaminated with free asbestos and its sweeping residues;

(ii) Soil contaminated with free asbestos;

(iii) Objects (for example furniture) contaminated with free asbestos from damaged structures or buildings;

(iv) Materials from damaged structures or buildings contaminated with free asbestos which, because of their volume or mass, cannot be packed in accordance with the packing instruction applicable to the UN number used (UN No. 2212 or UN No. 2590, as appropriate);

(v) Construction site waste contaminated with free asbestos from demolished or rehabilitated structures or buildings which, because of their size or mass, cannot be packed in accordance with the packing instruction applicable to the UN number used (UN No. 2212 or UN No. 2590, as appropriate). ~~Such asbestos contaminated waste shall belong only to the following categories:~~

- ~~• roof and facade elements (asbestos-containing roofs, bituminous coatings, insulation, structural elements, window frames, etc.);~~
- ~~• ceiling elements;~~
- ~~• floors and parts of floors;~~
- ~~• piping elements (including valves and fittings);~~

- ~~• pipes and ducts;~~
- ~~• partition fragments;~~
- ~~• fragments of concrete slabs.~~

- (c) Waste covered by these provisions shall not be mixed or loaded with other asbestos-containing waste or any other hazardous or non-hazardous waste;
- (d) Each shipment shall be considered a “full load” as defined in 1.2.1.”
- (e) The transport document shall be in conformity with 5.4.1.1.4.

Proposal 3

5. Add the following paragraph to chapter 5.4:

“5.4.1.1.4: Special provisions for wastes contaminated with free asbestos (UN Nos. 2212 and 2590) covered by special provision xxx

When special provision xxx is applied, the transport document shall be marked “Transport under special provision xxx”.

The description of wastes transported in accordance with paragraphs (b) (i), (ii), (iii), (iv) and (v) of special provision xxx shall be added to the description of dangerous goods required in 5.4.1.1.1 (a) to (d) and (j)/(k). The transport document shall also be accompanied by the following documents:

- (a) a copy of the technical data sheet for the type of container bag used, on the container bag manufacturer’s or distributor’s letterhead, giving the dimensions of the packaging and its maximum mass capacity;
- (b) a copy of the unloading procedure in accordance with special provision CWxx/CVxx of 7.5.11, if applicable.”

Proposal 4

(Refers to proposal in paragraph 10 in document ECE/TRANS/WP.15/AC.1/2023/51)

6. Add a new provision APxx to 7.3.3.2.7 as follows:

“APxx The waste may be transported in bulk provided that it is contained in a container-bag. For the purposes of this provision, container-bags shall have at least two liners.

The inner lining shall be dust-tight to prevent the release of dangerous quantities of asbestos fibres during transport. The inner lining shall be a polyethylene or polypropylene film.

The outer lining shall be polypropylene and shall be fitted with a zipper system. It shall ensure the mechanical resistance of a container bag loaded with waste to the shocks and stresses in normal conditions of transport, in particular when a skip loaded with container bags is transferred between wagons/vehicles and storage facilities.

Container bags shall:

- (a) be designed to resist perforation or tearing by contaminated waste or objects due to their angles or roughness;
- (b) have a zipper system that is sufficiently tight to prevent the release of dangerous quantities of asbestos fibers during transport. Laced or flapped fasteners are not authorized.

The load compartment shall have rigid metal walls of sufficient strength for its intended use. The walls must be sufficiently high to completely contain the container bag. Provided the container bag offers similar protection, the sheeting of the vehicle can be omitted when using the VC1 layout.

Objects contaminated with free asbestos from damaged structures or buildings, as well as construction site waste contaminated with free asbestos from structures or buildings during

their demolition or rehabilitation as mentioned in special provision xxx (b) (iii), (iv) and (v), shall be transported in a container bag placed inside a second container bag of the same type. The total mass of the contained waste shall not exceed 7 tons.

In all cases, the maximum mass of the waste shall not exceed the capacity specified by the container bag manufacturer.”

7. Add a new special provision CW/CVxx to 7.5.11, “Additional provisions applicable to certain classes or specific goods”, as follows:

“CW/CVxx: ~~Only the following means of transport are authorized:~~

- ~~• for waste from roadworks or removal of asbestos contaminated soil: public works skips or removable skips;~~
- ~~• for all other types of waste: removable skips.~~

The skips shall have no sharp internal edges (internal steps, etc.) capable of tearing container bags during unloading. Skips shall be inspected before any loading operation.

The container bags shall be placed in the skips for transport prior to any filling. The outer lining of the container bags shall be positioned so that the locking hooks meet facing the front side of the skip. After filling, the container bags shall be closed in accordance with the manufacturer’s instructions.

Once loaded, the container bags shall not be lifted or transferred from one skip to another. Several filled container bags shall not be loaded into the same skip.

After any filling operation and after closing, the outer surfaces of the container bags shall be decontaminated.

Container bags transported in removable skips shall be unloaded with the skip on the ground.

The unloading of container bags filled with roadworks waste or with soil contaminated with free asbestos by tipping the skip is authorized, provided that an unloading protocol agreed jointly between the carrier and the consignee is respected so as to prevent the container bags from tearing during unloading. The protocol shall ensure that the container bags do not fall or tear during the unloading operation.”

OPTION WITHOUT DEFINITION

Proposal 1

8. Amend Table A of Chapter 3.2 as follows:

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
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SGAH	TU15	(ADR:) AT	3 (E)	W11/ V11	VC1 VC2 <u>APxx</u>	CW13 CW28 CW31 <u>CWxx</u> CV13 CV28 <u>CVxx</u>	(RID:) CE11	90	2590	ASBESTOS, CHRYSTILE

Proposal 2

Option 2 A

(Refers to proposal in paragraph 7 in document ECE/TRANS/WP.15/AC.1/2023/51)

9. In Chapter 3.3.1, add the following new special provision:

“xxx: Waste consisting of objects and materials contaminated with free asbestos (UN Nos. 2212 and 2590 not fixed or immersed in a binder in such a way that no emission of hazardous quantities of respirable asbestos can occur) may be carried under the provisions of Chapter 7.3 provided the following provisions are complied with:

(a) The waste is transported only from the site where it is generated to a final disposal facility. Between these two types of sites only intermediate storage operations, without unloading or transferring the container bag, are authorized;

(b) The waste belongs to one of these categories:

(i) Solid waste from roadworks, including asphalt milling waste contaminated with free asbestos and its sweeping residues;

(ii) Soil contaminated with free asbestos;

(iii) Objects (for example furniture) contaminated with free asbestos from damaged structures or buildings;

(iv) Materials from damaged structures or buildings contaminated with free asbestos which, because of their volume or mass, cannot be packed in accordance with the packing instruction applicable to the UN number used (UN No. 2212 or UN No. 2590, as appropriate);

(v) Construction site waste contaminated with free asbestos from demolished or rehabilitated structures or buildings which, because of their size or mass, cannot be packed in accordance with the packing instruction

applicable to the UN number used (UN No. 2212 or UN No. 2590, as appropriate). Such asbestos-contaminated waste shall belong only to the following categories:

- roof and facade elements (asbestos-containing roofs, bituminous coatings, insulation, structural elements, window frames, etc.);
- ceiling elements;
- floors and parts of floors;
- piping elements (including valves and fittings);
- pipes and ducts;
- partition fragments;
- fragments of concrete slabs.

(c) Waste covered by these provisions shall not be mixed or loaded with other asbestos-containing waste or any other hazardous or non-hazardous waste;

(d) Each shipment shall be considered a “full load” as defined in 1.2.1.”

(e) The transport document shall be in conformity with 5.4.1.1.4.

Option 2B

(Refers to proposal in paragraph 8 in document ECE/TRANS/WP.15/AC.1/2023/51)

10. In Chapter 3.3, add the following new special provision:

“xxx: Waste consisting of objects and materials contaminated with free asbestos (UN Nos. 2212 and 2590 not fixed or immersed in a binder in such a way that no emission of hazardous quantities of respirable asbestos can occur) may be carried under the provisions of Chapter 7.3 provided the following provisions are complied with:

(a) The waste is transported only from the site where it is generated to a final disposal facility. Between these two types of sites only intermediate storage operations, without unloading or transferring the container bag, are authorized;

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(i) Solid waste from roadworks, including asphalt milling waste contaminated with free asbestos and its sweeping residues;

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- (c) Waste covered by these provisions shall not be mixed or loaded with other asbestos-containing waste or any other hazardous or non-hazardous waste;
- (d) Each shipment shall be considered a “full load” as defined in 1.2.1.”
- (e) The transport document shall be in conformity with 5.4.1.1.4.

Proposal 3

11. Add the following paragraph to chapter 5.4:

“5.4.1.1.4: Special provisions for wastes contaminated with free asbestos (UN Nos. 2212 and 2590) covered by special provision xxx

When special provision xxx is applied, the transport document shall be marked “Transport under special provision xxx”.

The description of wastes transported in accordance with paragraphs (b) (i), (ii), (iii), (iv) and (v) of special provision xxx shall be added to the description of dangerous goods required in 5.4.1.1.1 (a) to (d) and (j)/(k). The transport document shall also be accompanied by the following documents:

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Proposal 4

(Refers to proposal in paragraph 10 in document ECE/TRANS/WP.15/AC.1/2023/51)

12. Add a new provision APxx to 7.3.3.2.7 as follows:

“APxx The waste may be transported in bulk provided that it is contained in a bag of the size of the loading compartment, referred to as a “container-bag”.

The container-bag is intended to be loaded only when placed inside a bulk loading compartment with rigid walls, and not intended for handling or to be used alone outside of the bulk containment.

For the purposes of this provision, container-bags shall have at least two liners.

The inner lining shall be dust-tight to prevent the release of dangerous quantities of asbestos fibres during transport. The inner lining shall be a polyethylene or polypropylene film.

The outer lining shall be polypropylene and shall be fitted with a zipper system. It shall ensure the mechanical resistance of a container bag loaded with waste to the shocks and stresses in normal conditions of transport, in particular when a skip loaded with container bags is transferred between wagons/vehicles and storage facilities.

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The load compartment shall have rigid metal walls of sufficient strength for its intended use. The walls must be sufficiently high to completely contain the container bag. Provided the

container bag offers similar protection, the sheeting of the vehicle can be omitted when using the VC1 layout.

Objects contaminated with free asbestos from damaged structures or buildings, as well as construction site waste contaminated with free asbestos from structures or buildings during their demolition or rehabilitation as mentioned in special provision xxx (b) (iii), (iv) and (v), shall be transported in a container bag placed inside a second container bag of the same type. The total mass of the contained waste shall not exceed 7 tons.

In all cases, the maximum mass of the waste shall not exceed the capacity specified by the container bag manufacturer.”

13. Add a new special provision CW/CVxx to 7.5.11, “Additional provisions applicable to certain classes or specific goods”, as follows:

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