

Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Dangerous Goods

15 September 2016

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

Geneva, 19–23 September 2016

Item 5 (b) of the provisional agenda

**Proposals for amendments to RID/ADR/ADN:
new proposals**

FEAD recommendations on transport of empty packaging under UN 3509 September 2016

ADR 2015

4.1.1.11 Empty packagings, including IBC's and large packagings, that have contained a dangerous substance are subject to the same requirements as those for a filled packaging, unless adequate measures have been taken to nullify any hazard.

NOTE: When such packagings are carried for disposal, recycling or recovery of their material, they may also be carried under UN 3509 provided the conditions of special provision 663 of Chapter 3.3 are met

Special Provisions

663 This entry may only be used for packagings, large packagings or IBC's, or parts thereof, which have contained dangerous goods which are carried for disposal, recycling or recovery of their material, other than reconditioning, repair, routine maintenance, remanufacturing or reuse, and which have been emptied to the extent that only residues of dangerous goods adhering to the packaging parts are present when they are handed over for carriage.

Scope:

Residues present in the packagings, discarded, empty, uncleaned shall only be of dangerous goods of classes 3, 4.1, 5.1, 6.1, 8 or 9. In addition, they shall not be:

- Substances assigned to packing group I or that have "0" assigned in Column (7a) of table A of Chapter 3.2; nor
- Substances classified as desensitized explosive substances of Class 3 or Class 4.1; nor
- Substances classified as self-reactive substances of Class 4.1; nor
- Radioactive material; nor

- Asbestos (UN 2212 and UN 2590), polychlorinated biphenyls (UN 2315 and UN 3432) and polyhalogenated biphenyls or polyhalogenated terphenyls (UN 3151 and UN 3152)

General provisions

Packagings, discarded, empty, uncleaned with residues presenting a risk or a subsidiary risk of Class 5.1 shall not be packed together with other packagings, discarded, empty, uncleaned in the same container, vehicle or bulk container.

Documented sorting procedures shall be implemented on the loading site to ensure compliance with the provisions applicable to this entry.

NOTE: All provisions of ADR apply.

7.3.2.9.1 For UN 3509, only closed bulk containers (code BK2) may be used. Bulk containers shall be made leak tight or fitted with a leak tight and puncture resistant sealed liner of bag, and shall have a means of retaining any free liquid that might escape during carriage, e.g. absorbent material. Packagings, discarded, empty, uncleaned with residues of class 5.1 shall be carried in bulk containers which have been so constructed or adapted that the goods cannot come into contact with wood or any other combustible material.

3.2.1 Table A: Dangerous Goods list

UN N°	Name & Description	Class	Classification code	Labels	Special Provisions	Limited and excepted quantities	Portable tanks and bulk containers
3509	Packagings, discarded, empty, uncleaned	9	M11	9	663	0	BK2

FEAD recommendation on the transport of discarded, empty, uncleaned packaging, which are carried for disposal, recycling or recovery of their material

The creation of this specific new UN-number is a very good step in the good direction, allowing the sector to apply on a more pragmatic way the ADR on waste.

Nevertheless, FEAD members encountered several difficulties in the operational use of this UN-number and its conditions of application, especially by the way of transport limited to the use of BK2 containers.

Herewith a list of consideration justifying a possible enlarging of the allowed transport means

1. In a majority of ADR countries, the waste management operators are generally using open containers for the transport of waste in bulk
2. The operations of filling and emptying of such closed containers requires extra manipulations, equipment and safety measures, as the operators are mostly obliged to enter the container. The use of containers with removable cover is not common practice in the sector and limits the polyvalence of such equipment

3. The very low specific weigh of such type of waste (less than 250 kg/m³) does not justify the use of closed containers.
4. No accident with significant damage for personal and the environment have been reported by the use of open containers for the transport of comparable low density waste (absorbants, paint packaging, ...)
5. Provision 650 for waste consisting of packaging residues, solidified residues and liquid residues of paint (UN 1263) allows under (d) the carriage in bulk in sheeted vehicles, closed containers or sheeted large containers, all with complete walls. The body of the vehicles or containers shall be leakproof or rendered leakproof, for example by means of a suitable and sufficiently stout inner lining. NB: the scope of this provision covers also paint cans.
6. The use of sheeted vehicles/containers are easing the quality and conformity control of the loading at the gate of the treatment facility, increasing on this way the good management through the entire waste management chain.

FEAD proposal

Modifications of the ADR:

Modification of 7.3.2.9.1 as follows:

- 7.3.2.9.1 For UN 3509, ~~the carriage in bulk in sheeted vehicles, closed containers or sheeted large containers, all with complete walls is allowed. only closed bulk containers~~ (code BK2) may be used. Bulk containers ~~The body of the vehicles or containers~~ shall be made leak tight or fitted with a leak tight and puncture resistant sealed liner of bag, and shall have a means of retaining any free liquid that might escape during carriage, e.g. absorbent material. Packagings, discarded, empty, uncleaned with residues of class 5.1 shall be carried in bulk containers which have been so constructed or adapted that the goods cannot come into contact with wood or any other combustible material.

Modification of Table A: Dangerous Goods List as follows:

3.2.1 Table A: Dangerous Goods list

U N N°	Name & Description	Clas s	Classifi cation code	Pack ing Gro up	Lab els	Specia l Provis ions	Limited and excepted quantities			Packaging			Portable tanks and bulk containers	
							3.4	3.5 .1. 2	Packin g instruct ions	Specia l packin g provisi ons	Mixed packin g provisi ons	Instruct ions	Specia l provisi ons	
3.1.2		2.2	2.2	2.1.1 .3	5.2. 2	3.3								
									4.1.4	4.1.10				

									4.1.4			4.2.5.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3509	Packagings, discarded, empty, uncleaned	9	M11		9	663	0	EO	P003 IBC08 LP02	RR9 BB3 LL1		BK2 BK1	

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification N°	UN N°	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			4 (E)		VC2 VC1 AP10			90	3509	Packagings, discarded, empty, uncleaned