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Economic Commission for Europe

ADN Administrative Committee

European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)

Draft amendments to the Regulations annexed to ADN¹

Addendum

Chapter 1.1

1.1.3.3, title Replace "vessels, vehicles or wagons carried" by "vessels, vehicles, wagons or non-road mobile machinery".

1.1.3.3, first indent Replace "vessels, vehicles or wagons carried" by "vessels, vehicles, wagons or non-road mobile machinery as defined in Article 2 of Directive 97/68/EC¹ carried"

¹ For the definition of non-road mobile machinery see paragraph 2.7 of the Consolidated Resolution on the Construction of Vehicles (R.E.3) (United Nations document ECE/TRANS/WP.29/78/Rev.3) or Article 2 of Directive 97/68/EC of the European Parliament and of the Council of 16 December 1997 on the approximation of the laws of the Member States relating to measures against the emission of gaseous and particulate pollutants from internal combustion engines to be installed in non-road mobile machinery (Official Journal of the European Communities No. L 059 of 27 February 1998)."

Re-number footnote 1 to 1.1.4.3 as footnote 2.

1.1.3.7 Amend to read as follows:

"1.1.3.7 Exemptions related to the carriage of electric energy storage and production systems

The provisions laid down in ADN do not apply to electric energy storage and production systems (e.g., lithium batteries, electric capacitors, asymmetric capacitors, metal hydride storage systems and fuel cells):"

¹ Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR/ZKR/ADN/27/Add.1.

- (a) installed in a means of transport, performing a transport operation and destined for its propulsion or for the operation of any of its equipment;
- (b) contained in an equipment for the operation of this equipment used or intended for use during carriage (e.g. a laptop computer)."

Chapter 1.2

1.2.1 Under the definition of *Bulk container*, insert the following new definitions:

"*Closed bulk container* means a totally closed bulk container having a rigid roof, sidewalls, end walls and floor (including hopper-type bottoms). The term includes bulk containers with an opening roof, side or end wall that can be closed during carriage. Closed bulk containers may be equipped with openings to allow for the exchange of vapours and gases with air and which prevent under normal conditions of carriage the release of solid contents as well as the penetration of rain and splash water;

Sheeted bulk container means an open top bulk container with rigid bottom (including hopper-type bottom), side and end walls and a non-rigid covering;"

Insert in alphabetical order:

"*Closed bulk container*, see *Bulk container*;"

"*Sheeted bulk container*, see *Bulk container*;"

1.2.1 Under the definition of *Tank*, replace "as defined in this part" by "as defined in this section".

Chapter 1.8

1.8.3.9 Replace "laws, regulations and administrative provisions applicable to the modes of transport concerned" by "applicable laws, regulations and administrative provisions".

1.8.3.13 Delete the last sentence.

Chapter 2.2

2.2.3.1.1 The amendment to the French text does not apply to the English text.

2.2.3.1.4 Amend to read as follows:

"2.2.3.1.4 Viscous flammable liquids such as paints, enamels, lacquers, varnishes, adhesives and polishes having a flash-point of less than 23 °C may be assigned to packing group III in conformity with the procedures prescribed in the *Manual of Tests and Criteria*, Part III, sub-section 32.3, provided that:

(a) The viscosity² and flash-point are in accordance with the following table:

<i>Kinematic viscosity (extrapolated) ν (at near-zero shear rate) mm²/s at 23°C</i>	<i>Flow-time t in seconds</i>	<i>Jet diameter (mm)</i>	<i>Flash-point, closed-cup (°C)</i>
20 < ν ≤ 80	20 < t ≤ 60	4	above 17
80 < ν ≤ 135	60 < t ≤ 100	4	above 10
135 < ν ≤ 220	20 < t ≤ 32	6	above 5
220 < ν ≤ 300	32 < t ≤ 44	6	above -1

<i>Kinematic viscosity (extrapolated) ν (at near-zero shear rate) mm^2/s at 23°C</i>	<i>Flow-time t in seconds</i>	<i>Jet diameter (mm)</i>	<i>Flash-point, closed-cup ($^\circ\text{C}$)</i>
$300 < \nu \leq 700$	$44 < t \leq 100$	6	above -5
$700 < \nu$	$100 < t$	6	no limit

- (b) Less than 3% of the clear solvent layer separates in the solvent separation test;
- (c) The mixture or any separated solvent does not meet the criteria for Class 6.1 or Class 8;
- (d) The substances are packed in receptacles of not more than 450 litre capacity.

NOTE: *These provisions also apply to mixtures containing no more than 20% nitrocellulose with a nitrogen content not exceeding 12.6% by dry mass. Mixtures containing more than 20% but not more than 55% nitrocellulose with a nitrogen content not exceeding 12.6% by dry mass are substances assigned to UN No. 2059.*

Mixtures having a flash-point below 23°C and containing:

- *more than 55% nitrocellulose, whatever their nitrogen content; or*
 - *not more than 55% nitrocellulose with a nitrogen content above 12.6% by dry mass,*
- are substances of Class 1 (UN Nos. 0340 or 0342) or of Class 4.1 (UN Nos. 2555, 2556 or 2557)."*

Footnote 2 unchanged.

2.2.52.1.8 At the beginning, delete ", formulations or mixtures of organic peroxides".

Chapter 2.4

2.4.1.3 The amendment to the French text does not apply to the English text.

Chapter 3.2

3.2.1, Table A, UN Nos. 1133, 1139, 1169, 1197, 1210, 1263, 1266, 1286, 1287, 1306, 1866, 1993 and 1999

Delete the entries to which special provision "640F" is assigned in column (6);

For the entries to which special provision "640G" is assigned in column (6):

- In column (2), delete ", boiling point of more than 35°C ";
- In column (6), delete "640G";

For the entries to which special provision "640H" is assigned in column (6):

- In column (6), delete "640H";

3.2.1, Table A

For UN No. 1972, in column (6), insert "660".

3.2.3.2, Table C

For UN No. 1202, second entry, in column (2), replace "EN 590:2004" by "EN 590:2009 + A1:2010" (twice).

Chapter 3.3

SP 660 Amend footnote 6 in special provision 660 to read as follows:

"⁶ *ECE Regulation No. 110 (Uniform provisions concerning the approval of:*

I. Specific components of motor vehicles using compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system;

II. Vehicles with regard to the installation of specific components of an approved type for the use of compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system)."

Chapter 5.2

5.2.2.1.11.1 Delete the third sentence which reads: "Each overpack containing radioactive material shall bear at least two labels on opposite sides of the outside of the overpack."

Chapter 5.3

5.3.1.2 The amendment to the French text does not apply to the English text.

5.3.1.4.1 The amendment to the French text does not apply to the English text.

Chapter 5.4

5.4.3.4 In the first page of the Instructions in writing, amend the second indent to read as follows:

"- Avoid sources of ignition, in particular, do not smoke, use electronic cigarettes or similar devices or switch on or off any electrical equipment that is not the "certified safe" type and is not designed for use in emergency response;"

Chapter 8.3

8.3.4 In the first paragraph, insert a new second sentence to read as follows:

"The prohibition of smoking also applies to electronic cigarettes and other similar devices."
