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Working Party on the Transport of Dangerous Goods

Joint Meeting of Experts on the Regulations annexed to the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) (ADN Safety Committee)

Forty-fourth session

Geneva, 26–30 August 2024

Item 4 (b) of the provisional agenda

**Proposals for amendments to the Regulations annexed to ADN:
other proposals**

Corrections to Chapter 3.1 and Table C

Transmitted by the Government of Belgium ****

Introduction

1. This working document relates to the report of the tenth meeting of the informal working group on substances (working document ECE/TRANS/WP.15/AC.2/2018/44) treated in the thirty-third session of the ADN Safety Committee. The Belgian delegation noted in this report that the informal working group proposed to delete remark 29, which is concluded and implemented in version 2019 of the Regulations annexed to the ADN.

2. The Belgian delegation also observed some differences between the shipping names in the dangerous goods list in the UN Model Regulations and Table A of the Regulations annexed to the ADN on one hand and Table C on the other hand. We particularly noted in the report of the informal working group on substances that the names in Table A and Table C should be harmonized as a principle. We also noted that for Table A there is a possible choice between two names according to 3.1.2.1 (e.g. ETHANOL (ETHYL ALCOHOL)); For Table C, however, a choice should not always be allowed, because the whole proper shipping name is necessary to choose the right entry (e.g. UN No. 1120 BUTANOLS (tert- BUTYLALCOHOL), UN No. 1120 BUTANOLS (sec-BUTYLALCOHOL) and UN No. 1120 BUTANOLS (n- BUTYL ALCOHOL)) with the resulting consequences.

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** A/78/6 (Sect. 20), table 20.5

Problem description

3. It has been brought to the attention of the Belgian delegation that a problem arises with some entries in Table C related to "*" positions and for which scheme A should be followed. Considering the example of UN No. 1268 PETROLEUM DESTILLATES, N.O.S. or PETROLEUM PRODUCTS N.O.S. WITH MORE THAN 10% BENZENE, we notice neither an initial boiling point, nor a vapour pressure. In this case, we end up in scheme A where we have to consider the third column "Cargo tank internal pressure unknown, owing to absence of certain data". Subsequently we have to consider the boiling point. The boiling point is not a part of the proper shipping name and therefore not known. Subsequently, we cannot conclude on the requirements arising for the cargo tank equipment.

4. Additional remark: why is "boiling point" and not the "initial boiling point" considered?

5. A similar example is UN No. 1203 MOTOR SPIRIT or GASOLINE or PETROL, WITH MORE THAN 10% BENZENE. However, we may have a conclusion for the next entry UN No. 1203 MOTOR SPIRIT or GASOLINE or PETROL, WITH MORE THAN 10% BENZENE BOILING POINT ≤ 60 °C, because according to scheme A we should transport the substance in a vessel with pressure tanks (400 kPa). On the other hand, when the vapour pressure of the substance would be available, there is no need to transport the substance in pressure tanks. If the entries with "*" positions in Table C contains neither the vapour pressure nor the initial boiling point, then those particulars should be added to the proper shipping name. In the version 2017 of the regulations annexed to the ADN we had the remark 29 for several entries in column (20) of Table C. We agree that if the boiling point or vapour pressure is part of the proper shipping name, the remark 29 should have been deleted as proposed by the working group of substances, but we are of the opinion that for several entries remark 29 should have been kept.

6. In the proposal for amendment below, the Belgian delegation extended the provision of the 2017 edition with all the possible extensions for vapour pressure at 50 °C and initial boiling point. The given examples are kept.

7. Furthermore, amendments are proposed in the following entries:

- UN No. 1203: second entry
- UN No. 1224: first two entries
- UN No. 1265: first two entries
- UN No. 1267: entries 1 till 4 and 7 till 10
- UN No. 1268: entries 1 till 4 and 7 till 12
- UN No. 1719: first entry
- UN No. 1760: first two entries
- UN No. 1863: entries 1 till 4 and 7 till 12
- UN No. 1986: entries 1 till 6
- UN No. 1987: second and third entry
- UN No. 1989: first two entries
- UN No. 1992: entries 1 till 6
- UN No. 1993: entries 1 till 4 and 7 till 12
- UN No. 2735: first two entries
- UN No. 2810: first two entries
- UN No. 2922: first two entries
- UN No. 2924 : entries 1 till 6
- UN No. 2927: all entries

- UN No. 2929: all entries
- UN No. 3264: first two entries
- UN No. 3265: first two entries
- UN No. 3266: first two entries
- UN No. 3267: first two entries
- UN No. 3271: first two entries
- UN No. 3272: first two entries
- UN No. 3286: all entries
- UN No. 3287: first two entries
- UN No. 3295: entries 1 till 4 and 7 till 12
- UN No. 3494: entries 1 till 5

8. The Belgian delegation also noticed several entries in Table C not always being consistent with the principle as stated in the report of the tenth meeting of the informal working group on substances:

- first entry of UN No. 1020: CHLOROPENTAFLUORO-ETHANE (refrigerant gas R 115)
- second entry of UN No. 1020: CHLOROPENTAFLUORO- ETHANE, REFRIGERATED, (REFRIGERANT GAS R 115)
- both entries of UN No. 1030: 1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a) and 1,1-DIFLUOROETHANE, REFRIGERATED, (REFRIGERANT GAS R 152a)
- both entries of UN No. 1063: METHYL CHLORIDE (REFRIGERANT GAS R 40) and METHYL CHLORIDE, REFRIGERATED, (REFRIGERANT GAS R 40)
- both entries of UN No. 1170: ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), aqueous solution with more than 70% alcohol by volume
- UN No. 2045 ISOBUTYRALDEHYDE (ISOBUTYL ALDEHYDE)

For those entries the question is if the portion between brackets should be shown in upper case or in lower case?

9. The last sentence in subsection 3.1.2.1 reads as "Portions of an entry appearing in lower case need not be considered as part of the proper shipping name unless otherwise stated above." Consequently, according to the first sentence in the same subsection, the proper shipping name will appear differently in the transport document: "The proper shipping name is that portion of the entry most accurately describing the goods in Table A or Table C in Chapter 3.2, which is shown in upper case characters." However, subsection 3.1.2.1 also states that in Table C the alternative proper shipping name is shown in lower case characters with the following example: ACETONITRILE (methyl cyanide). In the above mentioned examples the alternative proper shipping name should be in lower cases.

10. The Belgian delegation also noticed other examples for which this principle cannot be applied: BUTANE (contains less than 0.1% 1.3-butadiene). The alternative proper shipping name of UN No. 1011 cannot be "contains less than 0.1% 1.3-butadiene". In this case the brackets should probably be deleted.

11. At this stage, the Belgian delegation does not propose an amendment related to paragraphs 8–10 of this document. The Belgian delegation suggests to treat this issue within the informal working group on substances since this may have a huge impact on Table C and therefore a decision on the principle should be prepared for a discussion in the ADN Safety Committee.

Proposal for amendment:

12. The Belgian delegation proposes to add remark 29 again to column (20) Additional requirements/Remarks in subsection 3.2.3.1, explanations concerning Table C as follows (additions are bold, text to be deleted is stricken through):

~~29. (Deleted)~~

29. When particulars concerning the vapour pressure or the boiling point are given in column (2), the relevant information shall be added to the proper shipping name as given in column (2) in the transport document:

- **the vapour pressure (kPa) of the liquid at 50 °C (expressed as ‘vp50’) :**
- **vp50 ≤ 110 kPa**
- **110 kPa < vp50 ≤ 150 kPa**
- **110 kPa < vp50 ≤ 175 kPa**
- **vp50 > 175 kPa**

- **or in case of mixtures containing more than 10 % Benzene, the initial boiling point:**
- **Initial boiling point ≤ 60 °C**
- **60 °C < Initial boiling point t ≤ 85 °C**
- **85 °C < Initial boiling point ≤ 115 °C**
- **Initial boiling point > 115 °C**

e.g.

**UN 1224 KETONES, LIQUID, N.O.S.,
110 kPa < vp50 ≤ 175 kPa or**

**UN 2929 TOXIC LIQUID, FLAMMABLE,
ORGANIC, N.O.S., initial boiling point ≤ 60 °C**

13. The Belgian delegation proposes to amend the entries below of Table C as follows (new text in bold and underlined):

Chapter 3.2, Table C:

(1)	(2)	(3a)	(3b)	(4)	(20)
	3.1.2	2.2	2.2	2.1.1.3	3.2.3.1
1203	MOTOR SPIRIT or GASOLINE or PETROL, WITH MORE THAN 10% BENZENE	3	F1	II	<u>29</u> *see 3.2.3.3
1224	KETONES, LIQUID, N.O.S.	3	F1	II	14; 27; <u>29</u> *see 3.2.3.3
1224	KETONES, LIQUID, N.O.S.	3	F1	II	14; 27; <u>29</u> ; 44 *see 3.2.3.3
1265	PENTANES, liquid	3	F1	I	14; <u>29</u> *see 3.2.3.3
1265	PENTANES, liquid	3	F1	II	14; <u>29</u> *see 3.2.3.3
1267	PETROLEUM CRUDE OIL	3	F1	I	14; <u>29</u> *see 3.2.3.3
1267	PETROLEUM CRUDE OIL	3	F1	I	14; <u>29</u> ; 44 *see 3.2.3.3
1267	PETROLEUM CRUDE OIL	3	F1	II	14; <u>29</u> *see 3.2.3.3
1267	PETROLEUM CRUDE OIL	3	F1	II	14; <u>29</u> ; 44 *see 3.2.3.3
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE	3	F1	I	<u>29</u> *see 3.2.3.3
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE	3	F1	I	<u>29</u> ; 44 *see 3.2.3.3
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE	3	F1	II	<u>29</u> *see 3.2.3.3
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE	3	F1	II	<u>29</u> ; 44 *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	I	14; 27; <u>29</u> *see 3.2.3.3

(1)	(2)	(3a)	(3b)	(4)	(20)
	3.1.2	2.2	2.2	2.1.1.3	3.2.3.1
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	I	14; 27; <u>29</u> ; 44 *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	II	14; 27; <u>29</u> *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	II	14; 27; <u>29</u> ; 44 *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	I	<u>29</u> *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	I	<u>29</u> ; 44 *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	II	<u>29</u> *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	II	<u>29</u> ; 44 *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	III	<u>29</u> *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	III	<u>29</u> ; 44 *see 3.2.3.3
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	C5	II	27; <u>29</u> ; 30; 34 *see 3.2.3.3
1760	CORROSIVE LIQUID, N.O.S.	8	C9	I	27; <u>29</u> ; 34 *see 3.2.3.3
1760	CORROSIVE LIQUID, N.O.S.	8	C9	II	27; <u>29</u> ; 34 *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	I	14; <u>29</u> *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	I	14; <u>29</u> ; 44 *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	II	14; <u>29</u> *see 3.2.3.3

(1)	(2)	(3a)	(3b)	(4)	(20)
	3.1.2	2.2	2.2	2.1.1.3	3.2.3.1
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	II	14; 29 ; 44 *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE	3	F1	I	29 *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE	3	F1	I	29 ; 44 *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE	3	F1	II	29 *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE	3	F1	II	29 ; 44 *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE	3	F1	III	29 *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE	3	F1	III	29 ; 44 *see 3.2.3.3
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	FT1	I	27; 29 *see 3.2.3.3
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	FT1	I	27; 29 ; 44 *see 3.2.3.3
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	FT1	I	27; 29 *see 3.2.3.3
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	FT1	I	27; 29 ; 44 *see 3.2.3.3
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	FT1	II	27; 29 *see 3.2.3.3
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	FT1	II	27; 29 ; 44 *see 3.2.3.3
1987	ALCOHOLS, N.O.S.	3	F1	II	14; 27; 29 *see 3.2.3.3
1987	ALCOHOLS, N.O.S.	3	F1	II	14; 27; 29 ; 44 *see 3.2.3.3

(1)	(2)	(3a)	(3b)	(4)	(20)
	3.1.2	2.2	2.2	2.1.1.3	3.2.3.1
1989	ALDEHYDES, N.O.S.	3	F1	II	14; 27; <u>29</u> ; *see 3.2.3.3
1989	ALDEHYDES, N.O.S.	3	F1	II	14; 27; <u>29</u> ; 44 *see 3.2.3.3
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	FT1	I	27; <u>29</u> *see 3.2.3.3
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	FT1	I	27; <u>29</u> ; 44 *see 3.2.3.3
1992	FLAMMABLE LIQUID, TOXIC, N.O.S	3	FT1	I	27; <u>29</u> *see 3.2.3.3
1992	FLAMMABLE LIQUID, TOXIC, N.O.S	3	FT1	I	27; <u>29</u> ; 44 *see 3.2.3.3
1992	FLAMMABLE LIQUID, TOXIC, N.O.S	3	FT1	II	27; <u>29</u> *see 3.2.3.3
1992	FLAMMABLE LIQUID, TOXIC, N.O.S	3	FT1	II	27; <u>29</u> ; 44 *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	I	14; 27; <u>29</u> *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	I	14; 27; <u>29</u> ; 44 *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	II	14; 27; <u>29</u> *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	II	14; 27; <u>29</u> ; 44 *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	I	<u>29</u> *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	I	<u>29</u> ; 44 *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	II	<u>29</u> *see 3.2.3.3

(1)	(2)	(3a)	(3b)	(4)	(20)
	3.1.2	2.2	2.2	2.1.1.3	3.2.3.1
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	II	<u>29</u> ; 44 *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	III	<u>29</u> *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	III	<u>29</u> ; 44 *see 3.2.3.3
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	I	27; <u>29</u> ; 34 *see 3.2.3.3
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	II	27; <u>29</u> ; 34 *see 3.2.3.3
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	T1	I	27; <u>29</u> *see 3.2.3.3
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	T1	II	27; <u>29</u> *see 3.2.3.3
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	CT1	I	27; <u>29</u> *see 3.2.3.3
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	CT1	II	27; <u>29</u> *see 3.2.3.3
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	I	27; <u>29</u> *see 3.2.3.3
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	I	27; <u>29</u> ; 44 *see 3.2.3.3
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	I	27; <u>29</u> *see 3.2.3.3
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	I	27; <u>29</u> ; 44 *see 3.2.3.3
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	II	27; <u>29</u> *see 3.2.3.3
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	II	27; <u>29</u> ; 44 *see 3.2.3.3

(1)	(2)	(3a)	(3b)	(4)	(20)
	3.1.2	2.2	2.2	2.1.1.3	3.2.3.1
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	TC1	I	27; <u>29</u> *see 3.2.3.3
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	TC1	II	27; <u>29</u> *see 3.2.3.3
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	TF1	I	27; <u>29</u> *see 3.2.3.3
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	TF1	I	27; <u>29</u> ; 44 *see 3.2.3.3
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	TF1	II	27; <u>29</u> *see 3.2.3.3
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	TF1	II	27; <u>29</u> ; 44 *see 3.2.3.3
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	I	27; <u>29</u> ; 34 *see 3.2.3.3
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	II	27; <u>29</u> ; 34 *see 3.2.3.3
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	I	27; <u>29</u> ; 34 *see 3.2.3.3
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	II	27; <u>29</u> ; 34 *see 3.2.3.3
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	I	27; <u>29</u> ; 34 *see 3.2.3.3
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	II	27; <u>29</u> ; 34 *see 3.2.3.3
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	I	27; <u>29</u> ; 34 *see 3.2.3.3
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	II	27; <u>29</u> ; 34 *see 3.2.3.3
3271	ETHERS, N.O.S.	3	F1	II	14; 27; <u>29</u> *see 3.2.3.3

(1)	(2)	(3a)	(3b)	(4)	(20)
	3.1.2	2.2	2.2	2.1.1.3	3.2.3.1
3271	ETHERS, N.O.S.	3	F1	II	14; 27; 29 ; 44 *see 3.2.3.3
3272	ESTERS, N.O.S.	3	F1	II	14; 27; 29 *see 3.2.3.3
3272	ESTERS, N.O.S.	3	F1	II	14; 27; 29 ; 44 *see 3.2.3.3
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	FTC	I	27; 29 *see 3.2.3.3
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	FTC	I	27; 29 ; 44 *see 3.2.3.3
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	FTC	I	27; 29 *see 3.2.3.3
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	FTC	I	27; 29 ; 44 *see 3.2.3.3
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	FTC	II	27; 29 *see 3.2.3.3
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	FTC	II	27; 29 ; 44 *see 3.2.3.3
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	T4	I	27; 29 *see 3.2.3.3
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	T4	II	27; 29 *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	I	14; 27; 29 *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	I	14; 27; 29 ; 44 *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	II	14; 27; 29 *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	II	14; 27; 29 ; 44 *see 3.2.3.3

(1)	(2)	(3a)	(3b)	(4)	(20)
	3.1.2	2.2	2.2	2.1.1.3	3.2.3.1
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	I	<u>29</u> *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	I	<u>29</u> ; 44 *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	II	<u>29</u> *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	II	<u>29</u> ; 44 *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	III	<u>29</u> *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE	3	F1	III	<u>29</u> ; 44 *see 3.2.3.3
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	I	14; <u>29</u> *see 3.2.3.3
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	I	14; <u>29</u> ; 44 *see 3.2.3.3
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	II	14; <u>29</u> *see 3.2.3.3
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	II	14; <u>29</u> ; 44 * see 3.2.3.3
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	III	14; <u>29</u> *see 3.2.3.3