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## Economic and Social Council

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### Economic Commission for Europe

#### Inland Transport Committee

#### Working Party on the Transport of Dangerous Goods

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

Geneva, 19-29 September 2017

Item 2 of the provisional agenda

#### Tanks

### **Proposal to add to the list of goods carried in tanks with a protective lining or protective coating**

**Transmitted by the Government of the Russian Federation\* \*\***

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\* In accordance with the programme of work of the Inland Transport Committee for 2016-2017, (ECE/TRANS/2016/28/Add.1 (9.2)).

\*\* Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2016/30.

*Summary*

- Executive summary:** Should not be used with the protective lining of the tank and a body made of materials, rapidly reacting with the contents in the event of a defect in the lining. Proposal to add to the list of goods..
- Action to be taken:** Introduce addition to Table A of Chapter 3.2.
- Related documents:** ECE/TRANS/WP.15/AC.1/2015/10, informal document INF.50, presented at the March 2015 session, paragraphs 12-14;  
ECE/TRANS/WP.15/AC.1/138, paragraph 9;  
ECE/TRANS/WP.15/AC.1/2015/51;  
Informal documents INF.28 and INF.50 (paragraphs 23-26) presented at the September session 2015;  
ECE/TRANS/WP.15/AC.1/2016/31 - Report of the Working Group on Tanks with a protective liner or protective coating;.  
ECE/TRANS/WP.15/AC.1/144 - Report of the Joint Meeting of the RID Committee of Experts and the Working Party on the Transport of Dangerous Goods on its Autumn session of 2016, held in Geneva from 19-23 September 2016; ECE/TRANS/WP.15/AC.1/146 - Report of the Joint Meeting of the RID Committee of Experts and the Working Party on the Transport of Dangerous Goods on the work of its spring session 2017.

**Introduction**

1. The report of the Working Group on Tanks with a protective lining or protective coating at the RID/ADR/ADN Joint Meeting on its session in September 2016 (ECE/TRANS/WP.15/AC.1/2016/31) was it is stated that tanks with protective lining and hulls made of aluminum alloy should not be used for substances that in case of a defect in the lining will react violently with the material of the tank. It was agreed that the value pH of 5 to 8 is a limiting factor.

After discussing this issue, it was decided to regulate the use of aluminum alloy tanks used for the transportation of corrosive substances, in addition to which Column 13 of Table A of Chapter 3.2 included a new special provision TU42.

The final result of this discussion was presented in the annex to the report under consideration, where in paragraph 3 a list of 24 denominations of corrosive goods showing acidic and basic properties containing also the UN number and the packing group was listed. This list of goods includes both individual names and substances not specifically indicated, for example: UN 3264 CORROSIVE LIQUID, ACID, INOROGANIC, N.O.S.

## **Proposal to amend the rules**

2. An analysis of the list of corrosive loads for which a new special provision TU42 is included in column (13) of Table A of Chapter 3.2 shows that it does not cover the entire list of corrosive substances exhibiting basic properties. For example, sodium tetraborate, aqueous solution (pH 9.3); trisodium phosphate, aqueous solution (pH 11.5-12.5), etc.

3. In the opinion of experts of the Russian Federation, the list of corrosive substances necessary for the carriage of aluminum alloy tanks and for the carriage of which in column (13) of Table A of Chapter 3.2 requires the addition of a new special provision TU42, for UN 3266 PG II and III CORROSIVE LIQID, BASIC, INORGANIC, N.O.S.

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