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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**

Bern, 18–22 March 2019

Item 2 of the provisional agenda

**Tanks**

 Application of 6.7.1.3: Carriage of a product classified under UN No. 3160 in T50 portable tanks

 Transmitted by the Government of Belgium[[1]](#footnote-1)\*, [[2]](#footnote-2)\*\*

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|  *Summary* |
| **Executive summary:** Request for an opinion from Belgium following a request for interim approval for the carriage of a substance under UN No. 3160 in T50 portable tanks. |
| **Action to be taken:** - |
| **Related documents:** - |
|  |

1. As a country of origin for carriage, Belgium received a request for interim approval (see 6.7.1.3) for carriage by rail and by road of trifluorochloroethylene classified under UN No. 3160 LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S. in T50 portable tanks, while this is not permitted in RID/ADR.

2. The carriage of this product is permitted for maritime transport by interim approval under 6.7.1.3 of the IMDG Code, issued by the United States Department of Transportation (DOT-SP 14193, see https://www.phmsa.dot.gov/approvals-and-allows/hazmat/special-allows-list).

3. In addition to the requirements applicable to T50 portable tanks, such approval requires:

• A minimum test pressure of 1.5 times the calculation pressure (while 6.7.3.3.2 only requires a minimum test pressure of 1.3 times the calculation pressure)

• Insulation

4. RID/ADR permits the carriage of goods under UN No. 3160 in PxBH tanks (for x, see 4.3.3.2.3) provided that LC50 ≥ 200 ppm, which is the case for trifluorochloroethylene (LC50 = 1000 ppm).

5. Further to this request, Belgium would like to receive the views of the Working Group on Tanks on the following issues:

• Question 1: What does “interim approval” in 6.7.3.1 mean? Is it to cover the period required to adjust the regulations?

• Question 2: Is there a technical reason why some substances are permitted in PxBH tanks and not in T50 portable tanks (see list in annex)?

• Question 3: Is it possible to introduce code T50 in column (10) of Table A for UN No. 3160 with the same restriction as for land tanks, i.e. if LC50 ≥ 200 ppm?

• Question 4: With regard to collective entries, are there any other restrictions to be provided for (besides LC50 ≥ 200 ppm) to permit the carriage of toxic and flammable liquefied gases under UN No. 3160 in T50 portable tanks?

6. On the basis of the replies received, Belgium will decide whether to respond favourably to the request and, where appropriate, will introduce a proposal to amend the regulations to the Sub-Committee.

Annex

 2TF gases permitted in RID/ADR tanks but not in portable tanks

| *UN No.* | *Name and description* | *Class* | *Classification code* | *Labels* | *Portable tanks and bulk containers* | *Special provisions* | *Tank code* | *Special provisions ADR* | *Special provisions RID* | *Hazard identification No.* |
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| (1) | (3) | (3a) | (3b) | (5) | (10) | (11) | (12) | (13) | (13) | (20) |
| 1026 | CYANOGEN | 2 | 2TF | 2.3+2.1 (+13) | (M) | PxBH(M) |  | TA4TT9 | TU38 TE22 TE25 TA4 TT9 TM6 | 263 |
| 1053 | HYDROGEN SULPHIDE | 2 | 2TF | 2.3+2.1 (+13) | (M) | PxDH(M) |  | TA4TT9 TT10 | TU38 TE22 TE25 TA4 TT9 TT10 TM6 | 263 |
| 2189 | DICHLOROSILANE | 2 | 2TFC | 2.3+2.1+8 (+13) | (M) | PxBH(M) |  | TA4TT9 | TU38 TE22 TE25 TA4 TT9 TM6 | 263 |
| 2204 | CARBONYL SULPHIDE | 2 | 2TF | 2.3+2.1 (+13) | (M) | PxBH(M) |  | TA4TT9 | TU38 TE22 TA4 TT9 TM6 | 263 |
| 3160 | LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S. | 2 | 2TF | 2.3+2.1 (+13) | (M) | PxBH(M) |  | TU6TA4TT9 | TU6 TU38 TE22 TE25 TA4 TT9 TM6 | 263 |
| 3300 | ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide | 2 | 2TF | 2.3+2.1 (+13) | (M) | PxBH(M) |  | TA4TT9 | TU38 TE22 TE25 TA4 TT9 TM6 | 263 |
| 3355 | INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S. | 2 | 2TF | 2.3+2.1 (+13) | (M) | PxBH(M) |  | TU6TA4TT9 | TU6 TU38 TE22 TE25 TA4 TT9 TM6 | 263 |

1. \* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/WP.15/237, annex V (9.2)). [↑](#footnote-ref-1)
2. \*\* Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2019/3. [↑](#footnote-ref-2)