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|  | United Nations | ECE/TRANS/WP.15/2016/16 |
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**Economic Commission for Europe**

Inland Transport Committee

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

**101st** **session**

Geneva, 8–11 November 2016

Item 9 of the provisional agenda

**Any other business**

 Rear protection of vehicles – 9.7.6 ADR

 Transmitted by the Government of Germany[[1]](#footnote-1)

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|  *Summary* |
| **Executive summary**: The German delegation wants to provide notifications of occurences involving dangerous goods and especially with regard to rear protection of vehicles – 9.7.6 ADR In the ninety-fourth and ninety-fifth sessions, the German delegation presented a research report prepared by the German Federal Institute for materials Research and Testing (BAM) on the design of the rear protection in accordance with section 9.7.6 of ADR, as well as answers to the discussed conclusions of the research findings. |
| **Action to be taken**: Acknowledgement, discussion, proposal for future action |
| **Reference document**: ECE/TRANS/WP.15/2013/12; Informal document INF.20 presented at the ninety-fourth session (Germany) ECE/TRANS/WP.15/219, paragraphs 25 to 27; Informal document INF.5 presented at the ninety-fifthsession (Germany). |
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1. Two reports of occurences involving dangerous goods and especially with regard to rear protection of vehicles – 9.7.6 ADR as amended are presented in Annexes I and II. These occurences happened in 2015 in Germany.

2. A corresponding press report is also available as informal document INF.4.

 Annex I

 Notification of occurrence involving dangerous goods (ID38)

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| **1. Mode** |
| **□** Rail Wagon number (optional).........................................................……………………… | ⮽ Road Vehicle registration (optional)............................................................…………………... |
| **2. Date and location of occurrence** |
| Year: …2015……………….. Month: …June………………. Day: …2………………. Time: 22:27 hrs…………………………... |
| Rail□ Station□ Shunting/marshalling yard□ Loading/unloading/transhipment site Location / Country: …………………………………… or□ Open line: Description of line: …………………………………… Kilometres: ………………………………….………... | Road□ Built-up area□ Loading/unloading/transhipment site⮽ Open road Location / Country: …Federal motorway A 9 (direction of Munich, Dittersdorf area, Km 217…………………………….… |
| **3. Topography** |
| **□** Gradient/incline□ Tunnel□ Bridge/Underpass□ Crossing |
| **4. Particular weather conditions** |
| **□** Rain□ Snow□ Ice□ Fog□ Thunderstorm□ Storm Temperature: ..... °C |
| **5. Description of occurrence** |
| **□** Derailment/Leaving the road⮽ Collision**□** Overturning/Rolling over**□** Fire**□** Explosion**□** Loss**□** Technical faultAdditional description of occurrence:..........................................................................................................................................…………………..................................Collision; Vehicle stood at the end of a tailback., driver who caused the accident hit this vehicle. (Due to the impact force – structural failure of the tank / pipes – leakage of gaseous oxygen)................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………. |

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| **6. Dangerous goods involved** |
| UN Number (1) | Class | Packing Group | Estimated quantity of loss of products (kg or *l*) (2) | Means of containment (3) | Means of containment material | Type of failure of means of containment (4) |
| **1073** | **2** |  | **24,000 kg** | **8** |  |  |
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| **(1)** For dangerous goods assigned to collective entries to which special provision 274 applies, also the technical name shall be indicated. | **(2)** For Class 7, indicate values according to the criteria in 1.8.5.3. |
| (3) Indicate the appropriate number1 Packaging2 IBC3 Large packaging4 Small container5 Wagon6 Vehicle7 Tank-wagon8 Tank-vehicle9 Battery-wagon10 Battery-vehicle11 Wagon with demountable tanks12 Demountable tank13 Large container14 Tank-container15 MEGC16 Portable tank | (4) Indicate the appropriate number 1 Loss2 Fire3 Explosion4 Structural failure |
| **7. Cause of occurrence (if clearly known)** |
| **□** Technical fault**□** Faulty load securing**□** Operational cause (rail operation)⮽ Other: ............................................................................................................................................................................................................................................................................................................................................……………………………..……………………………………………………………………………………………………………………………. |
| **8. Consequences of occurrence** |
| Personal injury in connection with the dangerous goods involved:**□** Deaths (number: ......)⮽ Injured (number: ....2..) due to dangerous goods: 0 injured personsLoss of product:⮽ Yes **□** No**□** Imminent risk of loss of productMaterial/Environmental damage:**□** Estimated level of damage ≤ 50,000 Euros⮽ Estimated level of damage > 50,000 EurosInvolvement of authorities:⮽ Yes **□** Evacuation of persons for a duration of at least three hours caused by the dangerous goods involved ⮽Closure of public traffic routes for a duration of at least three hours caused by the dangerous goods involved**□** No |

If necessary, the competent authority may request further relevant information.

Annex II

 Notification of occurrence involving dangerous goods (ID66)

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| **1. Mode** |
| **□** Rail Wagon number (optional).........................................................……………………… | ⮽ Road Vehicle registration (optional)............................................................…………………... |
| **2. Date and location of occurrence** |
| Year: …2015……………….. Month: …June………………. Day: …2………………. Time: 22:27 hrs…………………………... |
| Rail□ Station□ Shunting/marshalling yard□ Loading/unloading/transhipment site Location / Country: …………………………………… or□ Open line: Description of line: …………………………………… Kilometres: ………………………………….………... | Road□ Built-up area□ Loading/unloading/transhipment site⮽ Open road Location / Country: …Federal motorway A 9 (direction of Munich, Dittersdorf area, Km 217…………………………….… |
| **3. Topography** |
| **□** Gradient/incline□ Tunnel□ Bridge/Underpass□ Crossing |
| **4. Particular weather conditions** |
| **□** Rain□ Snow□ Ice□ Fog□ Thunderstorm□ Storm Temperature: ..... °C |
| **5. Description of occurrence** |
| **□** Derailment/Leaving the road⮽ Collision**□** Overturning/Rolling over**□** Fire**□** Explosion**□** Loss**□** Technical faultAdditional description of occurrence:..........................................................................................................................................…………………..................................Collision; Vehicle stood at the end of a tailback., driver who caused the accident hit this vehicle. (Due to the impact force – structural failure of the tank / pipes – leakage of gaseous oxygen)................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………. |

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| **6. Dangerous goods involved** |
| UN Number (1) | Class | Packing Group | Estimated quantity of loss of products (kg or *l*) (2) | Means of containment (3) | Means of containment material | Type of failure of means of containment (4) |
| **1073** | **2** |  | **24,000 kg** | **8** |  |  |
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| **(1)** For dangerous goods assigned to collective entries to which special provision 274 applies, also the technical name shall be indicated. | **(2)** For Class 7, indicate values according to the criteria in 1.8.5.3. |
| (3) Indicate the appropriate number1 Packaging2 IBC3 Large packaging4 Small container5 Wagon6 Vehicle7 Tank-wagon8 Tank-vehicle9 Battery-wagon10 Battery-vehicle11 Wagon with demountable tanks12 Demountable tank13 Large container14 Tank-container15 MEGC16 Portable tank | (4) Indicate the appropriate number 1 Loss2 Fire3 Explosion4 Structural failure |
| **7. Cause of occurrence (if clearly known)** |
| **□** Technical fault**□** Faulty load securing**□** Operational cause (rail operation)⮽ Other: ............................................................................................................................................................................................................................................................................................................................................……………………………..……………………………………………………………………………………………………………………………. |
| **8. Consequences of occurrence** |
| Personal injury in connection with the dangerous goods involved:**□** Deaths (number: ......)⮽ Injured (number: ....2..) due to dangerous goods: 0 injured personsLoss of product:⮽ Yes **□** No**□** Imminent risk of loss of productMaterial/Environmental damage:**□** Estimated level of damage ≤ 50,000 Euros⮽ Estimated level of damage > 50,000 EurosInvolvement of authorities:⮽ Yes **□** Evacuation of persons for a duration of at least three hours caused by the dangerous goods involved ⮽Closure of public traffic routes for a duration of at least three hours caused by the dangerous goods involved**□** No |

If necessary, the competent authority may request further relevant information.

1. In accordance with the programme of work of the Inland Transport Committee for 2016-2017, (ECE/TRANS/2016/28/Add.1 (9.1)). [↑](#footnote-ref-1)