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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**

Notifications of occurences involving dangerous goods – 1.8.5 ADR

Transmitted by the Government of Germany[[1]](#footnote-2)

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| *Summary* |
| **Executive summary**: The german delegation wants to provide notifications of occurences involving dangerous goods according to 1.8.5 of ADR |
| **Action to be taken**: Acknowledgement, discussion; proposal for the future course of action |
|  |

1. Two notifications of occurences involving dangerous goods according to 1.8.5 of 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.3.

Annex I

Notification of occurrence involving dangerous goods (ID 58)

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| 1. Mode | | | | | | | |
| □ Rail  Wagon number (optional)  .........................................................……………………… | | | | □xRoad  Vehicle registration (optional)  ............................................................…………………... | | | |
| 2. Date and location of occurrence | | | | | | | |
| Year: 2015………………….. Month: August…………………. Day: 16…………………. Time: 6.30 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  □xOpen road  Location/Country:  58239 Schwerte [BAB A1] Direction of travel: Bremen……………………………….… | | | |
| 3. Topography | | | | | | | |
| □xGradient/incline  □ Tunnel  □ Bridge/Underpass  □ Crossing | | | | | | | |
| 4. Particular weather conditions | | | | | | | |
| □xRain  □ Snow  □ Ice  □ Fog  □ Thunderstorm  □ Storm  Temperature: approx. 13..... °C | | | | | | | |
| 5. Description of occurrence | | | | | | | |
| □xDerailment/Leaving the road  □ Collision  □xOverturning/Rolling over  □xFire  □ Explosion  □xLoss  □ Technical fault  Additional description of occurrence:  ............................For reasons yet to be clarified, the truck and the trailer veered off the carriageway. The trailer separated from the tractor vehicle and tipped over. Apparently, this led to a structural failure of one of the three special containers. As a consequence, hot aluminium leaked onto the carriageway. Due to the high temperature of the aluminium (900°C), small incipient fires developed in connection with the oil concentration of the carriageway’s asphalt layer. The driver, who was unharmed, was able to alert the authorities immediately by interacting with another driver from the same company, who was travelling on the opposite carriageway. Due to the high temperature, it was not possible for the drivers to conduct containment measures. This product does not pose a threat to the environment. The police immediately started closing the motorway while the fire brigade directly began to cool down the two undamaged containers. The truck was not confiscated by the authorities, hence a salvage company was able to remove it from the site. (Update 17 August 2015, 10:05 hrs Truck was confiscated by the police at salvage company’s premises). After consultation with the police, it was possible to unload the two undamaged containers with a separate truck at the manufacturer’s premises. The containments are permitted for use in accordance with Annex 12 of the Guidelines for the application of the Ordinance on the Transport of Dangerous Goods by Road, Rail and Inland Waterways.  Ad 6: UN 3257 elevated temperature liquid, n.o.s., (molten aluminium), 9, III (D) | | | | | | | |
| 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) |
| UN 3257 | 9 | III | 4500 kg | | 1 (closed cup) | metal | 4 |
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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 number  1 Packaging  2 IBC  3 Large packaging  4 Small container  5 Wagon  6 Vehicle  7 Tank-wagon  8 Tank-vehicle  9 Battery-wagon  10 Battery-vehicle  11 Wagon with demountable tanks  12 Demountable tank  13 Large container  14 Tank-container  15 MEGC  16 Portable tank | | | | (4) Indicate the appropriate number  1 Loss  2 Fire  3 Explosion  4 Structural failure | | | |
| 7. Cause of occurrence (if clearly known) | | | | | | | |
| □ Technical fault  □ Faulty load securing  □ Operational cause (rail operation)  □x Other: currently not known............................................................................................................................................................................................................................................................................................................................................……………………………..……………………………………………………………………………………………………………………………. | | | | | | | |
| 8. Consequences of occurrence | | | | | | | |
| Personal injury in connection with the dangerous goods involved:  □ Deaths (number: ......)  □ Injured (number: ......)  Loss of product:  □x Yes  □ No  □ Imminent risk of loss of product  Material/Environmental damage:  □ Estimated level of damage ≤ 50,000 Euros  □x Estimated level of damage > 50,000 Euros  Involvement of authorities:  □x Yes □ Evacuation of persons for a duration of at least three hours caused by the dangerous goods involved  □x 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 (ID 61)

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| **1. Mode** | | | | | | | |
| **□** Rail  Wagon number (optional)  .........................................................……………………… | | | | **□x**Road  Vehicle registration (optional)  ............................................................…………………... | | | |
| **2. Date and location of occurrence** | | | | | | | |
| Year: …2015……………….. Month:……August…………….Day:……26…………….Time: 11:00…hrs………………………... | | | | | | | |
| Rail  □ Station  □ Shunting/marshalling yard  □ Loading/unloading/transhipment site  Location / Country: ……………………………………  or  □ Open line:  Description of line: ……………………………………  Kilometres: ………………………………….………... | | | | Road  □ Built-up area  □**x**Loading/unloading/transhipment site  □ Open road  Location/Country: Ichtershausen/Thörey, Germany……………………….… | | | |
| **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  **□x**Loss  **□** Technical fault  Additional description of occurrence:  ..........................................................................................................................................…………………....................... While unloading, it was noted that two packages were damaged, out of which silver balls were rolling. These two packages were put in a trough at the forecourt of the hangar and emergency services were called. The fire brigade isolated the packages properly for storage in transit in an available swap body. After the Office for Occupational Safety and Health (Amt für Arbeitsschutz) had released the packages, they were transported to the company Remondis for proper disposal.  .............................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………….………………………………………………………………………………………………………………………………. | | | | | | | |
| **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) |
| **2809** | **8** | **III** | **˂ 2 kg** | | **1** | **metal** | **1** |
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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 number  1 Packaging  2 IBC  3 Large packaging  4 Small container  5 Wagon  6 Vehicle  7 Tank-wagon  8 Tank-vehicle  9 Battery-wagon  10 Battery-vehicle  11 Wagon with demountable tanks  12 Demountable tank  13 Large container  14 Tank-container  15 MEGC  16 Portable tank | | | | (4) Indicate the appropriate number  1 Loss  2 Fire  3 Explosion  4 Structural failure | | | |
| **7. Cause of occurrence (if clearly known)** | | | | | | | |
| **□** Technical fault  **□** Faulty load securing  **□** Operational cause (rail operation)  **□x** Other: .....faulty.packaging............................................................................................................................................................................................................................................................................................................................……………………………..……………………………………………………………………………………………………………………………. | | | | | | | |
| **8. Consequences of occurrence** | | | | | | | |
| Personal injury in connection with the dangerous goods involved:  **□** Deaths (number: ......)  **□** Injured (number: ......)  Loss of product:  **□x** Yes  **□** No  **□** Imminent risk of loss of product  Material/Environmental damage:  **□x** Estimated level of damage ≤ 50,000 Euros  **□** Estimated level of damage > 50,000 Euros  Involvement of authorities:  **□x** Yes **□x** 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-2)