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Working Party on the Transport of Dangerous Goods

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Any other business

Notifications of occurrences involving dangerous goods – 1.8.5 ADR

Transmitted by the Government of Germany¹

Summary

Executive summary: The German delegation wants to provide notifications of occurrences 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 occurrences involving dangerous goods according to 1.8.5 of ADR as amended are presented in Annexes I and II. These occurrences happened in 2015 in Germany.
2. A corresponding press report is also available as informal document INF.3.

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

Annex I

Notification of occurrence involving dangerous goods (ID 58)

1. Mode	
<input type="checkbox"/> Rail Wagon number (optional)	<input checked="" type="checkbox"/> Road Vehicle registration (optional)
2. Date and location of occurrence	
Year: 2015..... Month: August..... Day: 16..... Time: 6.30 hrs.....	
<u>Rail</u> <input type="checkbox"/> Station <input type="checkbox"/> Shunting/marshalling yard <input type="checkbox"/> Loading/unloading/transshipment site Location / Country: or <input type="checkbox"/> Open line: Description of line: Kilometres:	<u>Road</u> <input type="checkbox"/> Built-up area <input type="checkbox"/> Loading/unloading/transshipment site <input checked="" type="checkbox"/> Open road Location/Country: 58239 Schwerte [BAB A1] Direction of travel: Bremen..... ...
3. Topography	
<input checked="" type="checkbox"/> Gradient/incline <input type="checkbox"/> Tunnel <input type="checkbox"/> Bridge/Underpass <input type="checkbox"/> Crossing	
4. Particular weather conditions	
<input checked="" type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Ice <input type="checkbox"/> Fog <input type="checkbox"/> Thunderstorm <input type="checkbox"/> Storm Temperature: approx. 13..... °C	
5. Description of occurrence	

Derailment/Leaving the road

Collision

Overturning/Rolling over

Fire

Explosion

Loss

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 ⁽²⁾ (kg or l)	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
⁽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			⁽⁴⁾ Indicate the appropriate number			
1 Packaging			1 Loss			
2 IBC			2 Fire			
3 Large packaging			3 Explosion			
4 Small container			4 Structural failure			
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						
7. Cause of occurrence (if clearly known)						
<input type="checkbox"/> Technical fault <input type="checkbox"/> Faulty load securing <input type="checkbox"/> Operational cause (rail operation) <input checked="" type="checkbox"/> Other: currently not known.....						

8. Consequences of occurrencePersonal injury in connection with the dangerous goods involved:

- Deaths (number:)
- Injured (number:)

Loss of product:

- Yes
- No
- Imminent risk of loss of product

Material/Environmental damage:

- Estimated level of damage \leq 50,000 Euros
- Estimated level of damage $>$ 50,000 Euros

Involvement 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 (ID 61)**

1. Mode	
<input type="checkbox"/> Rail Wagon number (optional)	<input checked="" type="checkbox"/> Road Vehicle registration (optional)
2. Date and location of occurrence	
Year: ...2015..... Month:.....August.....Day:.....26.....Time: 11:00...hrs.....	
<u>Rail</u> <input type="checkbox"/> Station <input type="checkbox"/> Shunting/marshalling yard <input type="checkbox"/> Loading/unloading/transshipment site Location / Country: or <input type="checkbox"/> Open line: Description of line: Kilometres:	<u>Road</u> <input type="checkbox"/> Built-up area <input checked="" type="checkbox"/> Loading/unloading/transshipment site <input type="checkbox"/> Open road Location/Country: Ichtershausen/Thörey, Germany.....
3. Topography	
<input type="checkbox"/> Gradient/incline <input type="checkbox"/> Tunnel <input type="checkbox"/> Bridge/Underpass <input type="checkbox"/> Crossing	
4. Particular weather conditions	
<input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Ice <input type="checkbox"/> Fog <input type="checkbox"/> Thunderstorm <input type="checkbox"/> Storm Temperature: °C	
5. Description of occurrence	

- Derailment/Leaving the road
- Collision
- Overturning/Rolling over
- Fire
- Explosion
- 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.
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6. Dangerous goods involved						
UN Number ⁽¹⁾	Class	Packing Group	Estimated quantity of loss of products ⁽²⁾ (kg or l)	Means of containment ⁽³⁾	Means of containment material	Type of failure of means of containment ⁽⁴⁾
2809	8	III	< 2 kg	1	metal	1
⁽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			⁽⁴⁾ Indicate the appropriate number			
1 Packaging			1 Loss			
2 IBC			2 Fire			
3 Large packaging			3 Explosion			
4 Small container			4 Structural failure			
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						
7. Cause of occurrence (if clearly known)						
<input type="checkbox"/> Technical fault <input type="checkbox"/> Faulty load securing <input type="checkbox"/> Operational cause (rail operation) <input checked="" type="checkbox"/> Other:faulty packaging.....						
8. Consequences of occurrence						

Personal injury in connection with the dangerous goods involved:

- Deaths (number:)
- Injured (number:)

Loss of product:

- Yes
- No
- Imminent risk of loss of product

Material/Environmental damage:

- Estimated level of damage \leq 50,000 Euros
- Estimated level of damage $>$ 50,000 Euros

Involvement 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.
