

ACCIDENTS DURING ROAD TRANSPORT

	From	COMMENTS
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1- GENERAL INCIDENT / ACCIDENT INFORMATION

Date		
Time		
City		
Country		
Kilometre marker or, GPS coordinates		
1.8.5 event : Y / N ?		Criteria should be reviewed to include some events, even if there are no DG consequences.
Event occurred during :		
- carriage		
- filling		
- loading		
- unloading		
- transshipment		

2- WEATHER CONDITIONS

- dry, clear	CADAS A-6.01	
- rain	CADAS A-6.02	
- snow	CADAS A-6.03	
- fog, mist, smoke	CADAS A-6.04	
- sleet, hail	CADAS A-6.05	
- severe winds	CADAS A-6.06	
- other	CADAS A-6.07	
- unknow	CADAS A-6.99	

3 – SURFACE CONDITIONS

- dry	CADAS R-16.01	
- snow, frost, ice, slush	CADAS R-16.02	

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- slippery	CADAS R-16.03	
- wet, damp	CADAS R-16.04	
- flood	CADAS R-16.05	
- other	CADAS R-16.06	
- unkown	CADAS R-16.99	

3- LIGHT CONDITIONS

- daylight	CADAS A-7.01	
- twilight	CADAS A-7.02	
- darkness street light lit	CADAS A-7.03	
- <i>darkness street light unlit</i>	CADAS A-7.04	
- darkness no street lights	CADAS A-7.05	
- darkness street lights unknown	CADAS A-7.06	
- darkness no street lights or street lights unlit	CADAS A-7.07	
- unknown	CADAS A-7.99	

4- ROAD INFRASTRUCTURE

- built-up area	1.8.5	
- open road	1.8.5	
- public facilities	suggestion	For instance, inside a oil storage facilities or, a plant compound or, motorway rest area
- private facilities	suggestion	
- multimodal platform	suggestion	
- dual carriageway (median made of):	CADAS R-18.03	
* steel safety barriers / concrete barriers	suggestion	Accident consequences are different depending on the nature of the obstacles
* grassy strip / road markings	suggestion	
- two way street	CADAS R-18.02	
- one way street	CADAS R-18.01	
- single carriageway	CADAS R-18.04	Directions of traffic not specified
- unpaved-road	UNECE B.I-03	

5- TOPOGRAPHY

- straight road	CADAS A-10.06	idea from
- road curve (in a)	CADAS R-25.01	

- entrance / exit ramps	CADAS R-14.04	
- S-curve road	suggestion	
- level crossing	suggestion	
- gradient / incline :	1.8.5	
* descending	suggestion	
* ascending	suggestion	
- roundabout	CADAS R-13.02	
- tunnel (inside the)	1.8.5	
- entrance / exit of the tunnel	suggestion	Outside the tunnel
- bridge (<i>on a</i>)	1.8.5	
- under the bridge	suggestion	
- underpass	1.8.5	
- crossing / intersection	1.8.5	

6- VEHICLE DESCRIPTION

Total number of vehicles involved	suggestion	
Of those, total number of DG transport unit(s)	suggestion	

■ DGV manoeuvre (CADAS U-11) :		
- straight forward / normal driving	CADAS U-11.20	
- stopping	suggestion	Due to traffic lights or, the driver has temporarily left his vehicle
- parking	CADAS U-11.02	
- slowing	CADAS U-11.06	Due to traffic conditions (near the roadworks) or, inside the facilities

■ DGV shape :		
- vehicle without trailer or semi-trailer	CADAS U-4.01	
- vehicle with trailer or semi-trailer	CADAS U-4.02	
- light DGV	UNECE B.II.A-22	Vans or, gross vehicle weight ≤ 3.5 ton
- road train	UNECE B.II.A-33	
- others		
■ Type of body of DGV (UNECE – B.II.A-24) :		Classification due to their superstructures
DGV ordinary open box :	UNECE B.II.A-24	
- flat		
- with cover		
Tipper / dump truck	UNECE B.II.A-24	
Tanker (road) :	UNECE B.II.A-24	
- solid bulk		

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- liquid bulk		
Others		

7-MEANS OF CONTAINEMENT INFORMATION

- packaging	1.8.5	
- IBC	1.8.5	
- large packaging	1.8.5	
- small container	1.8.5	
- vehicle	1.8.5	For bulk carriage ?
- tank-vehicle	1.8.5	
- battery-vehicle	1.8.5	
- demountable tank	1.8.5	
- large container	1.8.5	
- tank-container	1.8.5	
- MGEC	1.8.5	
- portable tank	1.8.5	
- dry bulk container [7.3.1.1 (a)]	UNECE B.II.B-06	
- code BK1		carriage in sheeted bulk containers
- code BK2		carriage in closed bulk containers
- dry bulk container [7.3.1.1 (b)]		
- code VC1		carriage in sheeted vehicles, sheeted containers or, sheeted bulk containers
- code VC2		carriage in closed vehicles, closed containers or, closed bulk containers
- code VC3		Carriage in specially equipped vehicles or containers
■ Temperature controlled box (tank / container)	UNECE B.II.A-24	
■ Means of containment material	1.8.5	

Tank code		
Packaging marking (if applicable)		This shall include only technical informations and skip nominative identification of approval body. As the marking gives codified information on the packaging type, the above mentions may not be necessary.

8- DANGEROUS GOODS INVOLVED

UN number	1.8.5	
Name of the DG	1.8.5	
Class	1.8.5	
Packaging group	1.8.5	
Total quantity of DG carried (estimated)	suggestion	

9- DESCRIPTION OF THE OCCURRENCE

▶ leaving the road	1.8.5	
▶ lane departure	suggestion	The vehicle was still on the carriageway
▶ jackknifing	suggestion	The folding of an articulated vehicle.
▶ drop from a height (vehicule)	suggestion	
▶ package drop	suggestion	
▶ tyre blow-out	suggestion	
▶ tyre puncture	suggestion	
▶ breakage of the connection fitting between tractor/trailer	suggestion	
▶ Collision :	1.8.5	
* speed (DGV)		
* vehicle gross weight (kg)		
Crash type (from the DGV) :		
- head-on collision :		
- left front	CADAS U-12.02	
- centre front	CADAS U-12.03	
- right front	CADAS U-12.04	
- side-impact collision		
- right side	CADAS U-12.05	
- left side	CADAS U-12.09	
- rear-end collision		
- right rear	CADAS U-12.06	
- centre rear	CADAS U-12.07	
- left rear	CADAS U-12.08	
Collision against fixed obstacle (s) :		
- parked HGV :	CADAS U-14.10	Gross vehicle weight > 3,5 ton.
- with trailer / semi-trailer		
- without trailer / semi-trailer		
- parked DGV :	CADAS U-14.10	
- with trailer / semi-trailer		
- without trailer / semi-trailer		
- parked bus		
- parked light goods road vehicle	UNECE B-II.A-22	Gross vehicle weight ≤ 3,5 ton.

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- parked passenger road vehicle	UNECE B-II.A-07	
- bridge pillars	CADAS U-13.04	
- safety / concrete barrier	CADAS U-14.07/08	
- stone / rock / mountain side	CADAS U-14.11	
- other permanent object	CADAS U-14.14	Fence, road sign, traffic signal, tree, ...
- submerged in water	CADAS U-14.13	
- unknown	CADAS U-14.99	
Collision against moving obstacle (s) :		
- HGV :		
- without trailer / semi-trailer		
- with trailer / semi-trailer		
- another DGV :		
- without trailer / semi-trailer		
- with trailer / semi-trailer		
- train	CADAS U-13.10	
- bus (motor coach, trolley bus, tram, ..)	UNECE B-II.A-15	
- passenger road vehicle		
- agricultural tractor	UNECE B-II.A-28	
- others (motorcycle, bicycle, pedestrian, animal, ..)		

▶ vapour cloud		
▶ suspicious smell		
▶ overturning	1.8.5	DGV was upside down or, came to rest on its roof
▶ rolling over	1.8.5	DGV lying on its left / right side. Depending on the side where the tank was lying, the valves could be hidden / buried under the damaged vehicle.
- left side		
- right side		

▶ Fire (location) :		
- tractor cab		
- road tractor	UNECE B-II.A-27	
- tyres / trailer axle		
- tank-trailer		
- trailer / semi-trailer	UNECE B-II.A-29/31	
- transport unit		the whole transport unit, including its load, was destroyed by fire.

► Explosion		
* explosion without fire :		
- over-pressurized inside the tank / packaging	US DOT- 530	
- other		
* explosion with fire (concerned item) :		
- tank		
- pressure receptacle		
- other packaging		

► Loss (location of the leakage for all packaging) :		
For road tanker, did the valves hide by the overturned road tanker : Y / N ?		If any
- body	US DOT- 104	
- bottom outlet valve	US DOT- 106	
- closure (cap, top, or plug)	US DOT- 109	
- cover	US DOT- 110	
- cylinder neck or shoulder	US DOT- 111	
- cylinder sidewall – near base	US DOT- 112	
- cylinder sidewall - other	US DOT- 113	
- cylinder valve	US DOT- 114	
- flange	US DOT- 118	
- gauging device	US DOT- 122	
- hose	US DOT- 125	
- hose adaptor or coupling	US DOT- 126	
- inlet (loading) valve	US DOT- 127	
- inner packaging	US DOT- 128	
- inner receptacle	US DOT- 129	
- loading / unloading lines	US DOT- 135	
- manhole or dome cover	US DOT- 137	
- pipng or fittings	US DOT- 141	
- pressure relief valve	US DOT- 143	
- sample line	US DOT- 146	
- tank head	US DOT- 149	
- tank shell	US DOT- 150	
- vacuity visualization window (valve	suggestion	

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adapter)		
- vacuum relief valve	US DOT- 153	
- vent	US DOT- 159	
- weld or seam	US DOT- 161	
- other		
► imminent risk of loss of product (structural damage, no suitable for further carriage, ..)		
► container falling from the vehicle	suggestion	Even no leakage,from the packages inside the container, was reported

10- CAUSE OF OCCURRENCE (related to a 1st assessment, if feasible)

► Technical fault		
- electrical system failure		
- mechanical system failure		
- broken component or device	US DOT- 502	
- defective component or device	US DOT- 508	
- missing component or device	US DOT- 528	
- tyre		
- brake system failure		
- abrasion	US DOT- 501	
- corrosion		
- exterior	US DOT- 506	
- interior	US DOT- 507	
- poor conditions of the packaging	suggestion	
- defective measuring instruments	suggestion	
- other		
► <i>related to procedures</i>		
- improper preparation for transportation	US DOT- 517	
- inadequate maintenance	US DOT- 520	
- inadequate preparation for transportation	US DOT- 521	
- inadequate procedures	US DOT- 522	
- overfilled	US DOT- 529	
- over-pressurized	US DOT- 530	
- valve open	US DOT- 535	

▶ Faulty load securing	1.8.5	
- improper securing arrangement	suggestion	
- inadequate blocking and bracing	US DOT- 519	
▶ related to DG carried (spontaneous chemical reaction / combustion)		
- incompatible products	US DOT- 524	
- incompatible material of the containment (packaging or tank) with the product carried	suggestion	non-appropriated means of containment material for DG carried (subject to chemical reaction)
- self-ignition	US DOT- 503	
- polymerization	US DOT- 504	
▶ Human cause		
- consumption of alcohol		
- consumption of narcotics		
- medical treatment / unwell feeling		
- excessive speed		
- lack of experience		
- inattention		
- sleepiness		
- careless driving		
- loss of control over the DGV (despite the observation of speed limits)		
- loss of control over the DGV (non-specified)		
- non-compliance with the procedures		
- inadequate training	US DOT- 523	
- other		
▶ External cause		
- slippery / wet road		
- weather conditions		
- narrow road		
- other		
▶ Other vehicle		
▶ liquid movement inside the tank	suggestion	
▶ Other cause (theft, sabotage, ..)		

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12- CONSEQUENCES OF OCCURRENCE

▶ Total number of personal injury :		
* number of deaths	1.8.5	
* number of injured people	1.8.5	
▶ Of those, number of personal injury in connection with DG:		
* number of deaths		
* number of injured people		

Material / Environment damage

▶ damage relating to DG packaging		
- abraded	US DOT- 301	
- bent	US DOT- 302	
- burst or ruptured	US DOT- 303	
- cracked	US DOT- 304	
- crushed	US DOT- 305	
- failed to operate	US DOT- 306	
- gouged or cut	US DOT- 307	
- leaked	US DOT- 308	
- punctured	US DOT- 309	
- ripped or torn	US DOT- 310	
- structural	US DOT- 311	
- torn off or damaged	US DOT- 312	
- vented	US DOT- 313	

Estimated quantity of loss of products (kg or l)	1.8.5	
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Estimated level of damage ≤ 50,000 Euros	1.8.5	
Estimated level of damage ≥ 50,000 Euros	1.8.5	

Involvement of authorities

No	1.8.5	
Yes	1.8.5	

Evacuation of persons for a duration of at least 3 hours ...	1.8.5	
Closure of public traffic routes for a duration of at last 3 hours...	1.8.5	

ACCIDENTS DURING LOADING / UNLOADING OPERATION

		COMMENTS
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1- GENERAL INCIDENT / ACCIDENT INFORMATION

Date		
Time		
City		
Country		
1.8.5 event : Y / N ?		
Event occurred during :		
- filling		
- loading		
- unloading		
- transhipment		

2- WEATHER CONDITIONS

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- dry, clear	CADAS A-6.01	
- rain	CADAS A-6.02	
- snow	CADAS A-6.03	
- fog, mist, smoke	CADAS A-6.04	
- sleet, hail	CADAS A-6.05	
- severe winds	CADAS A-6.06	
- other	CADAS A-6.07	
- unknow	CADAS A-6.99	

3- LIGHTING CONDITIONS

- daylight	CADAS A-7.01	
- twilight	CADAS A-7.02	
- darkness street light lit	CADAS A-7.03	
- <i>darkness street light unlit</i>	CADAS A-7.04	
- darkness no street lights	CADAS A-7.05	
- darkness street lights unknown	CADAS A-7.06	
- darkness no street lights or street lights unlit	CADAS A-7.07	
- unknown	CADAS A-7.99	

4- INFRASTRUCTURE OF THE FACILITIES

- <i>built-up area</i>	1.8.5	
- industrial site		
- industrial / economic activity area		
- public access / domain		
- private access / domain		
- multimodal platform		

5- VEHICLE DESCRIPTION

Total number of vehicles involved	
Of those, total number of DG transport unit(s)	

■ DGV manœuvre (CADAS U-11) :		
- straight forward / normal driving	CADAS U-11.20	
- stopping	suggestion	Due to traffic lights or, the driver has temporarily left his vehicle

- parking	CADAS U-11.02	
- slowing	CADAS U-11.06	Due to traffic conditions (near the roadworks) or, inside the facilities
■ DGV shape :		
- vehicle without trailer or semi-trailer	CADAS U-4.01	
- vehicle with trailer or semi-trailer	CADAS U-4.02	
- light DGV	UNECE B.II.A-22	Vans or, gross vehicle weight ≤ 3.5 ton
- road train	UNECE B.II.A-33	
- others		
■ Type of body of DGV (UNECE – B.II.A-24) :		Classification due to their superstructures
DGV ordinary open box :	UNECE B.II.A-24	
- flat		
- with cover		
Tipper / dump truck	UNECE B.II.A-24	
Tanker (road) :	UNECE B.II.A-24	
- solid bulk		
- liquid bulk		
Others		

6-MEANS OF CONTAINEMENT INFORMATION

- packaging	1.8.5	
- IBC	1.8.5	
- large packaging	1.8.5	
- small container	1.8.5	
- vehicle	1.8.5	For bulk carriage ?
- tank-wagon	1.8.5	
- tank-vehicle	1.8.5	
- battery-wagon	1.8.5	
- battery-vehicle	1.8.5	
- wagon with demountable tanks	1.8.5	
- demountable tank	1.8.5	
- large container	1.8.5	
- tank-container	1.8.5	
- MGEC	1.8.5	
- portable tank	1.8.5	
- dry bulk container [7.3.1.1 (a)]	UNECE B.II.B-06	
- code BK1		carriage in sheeted bulk containers

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- code BK2		carriage in closed bulk containers
- dry bulk container [7.3.1.1 (b)]		
- code VC1		carriage in sheeted vehicles, sheeted containers or, sheeted bulk containers
- code VC2		carriage in closed vehicles, closed containers or, closed bulk containers
- code VC3		Carriage in specially equipped vehicles or containers
■ Temperature controlled box (tank / container)	UNECE B.II.A-24	
■ Means of containment material	1.8.5	

Tank code		
Packaging marking (if applicable)		This shall include only technical informations and skip nominative identification of approval body. As the marking gives codified information on the packaging type, the above mentions may not be necessary.

7- DANGEROUS GOODS INVOLVED

UN number		
Name of DG		
Class		
Packaging group		
Total quantity of DG carried (estimated)		

8- DESCRIPTION OF THE OCCURRENCE

▶ vapour cloud		
▶ suspicious smell		
▶ overspill (storage tank)	suggestion	

▶ Fire (location) :		
- tractor cab		
- road tractor	UNECE B-II.A-27	
- tyres / trailer axle		
- tank-trailer		
- trailer / semi-trailer	UNECE B-II.A-29/31	
- transport unit		the whole transport unit, including its load, was destroyed by fire.

▶ Explosion		
* explosion without fire :		
- over-pressurized inside the tank / packaging	US DOT- 530	

- other		
* explosion with fire (concerned item) :		
- tank		
- pressure receptacle		
- other packaging		

► Loss (location of the leakage for all packaging) :		
- body	US DOT- 104	
- bottom outlet valve	US DOT- 106	
- closure (cap, top, or plug)	US DOT- 109	
- cover	US DOT- 110	
- cylinder neck or shoulder	US DOT- 111	
- cylinder sidewall – near base	US DOT- 112	
- cylinder sidewall - other	US DOT- 113	
- cylinder valve	US DOT- 114	
- flange	US DOT- 118	
- gauging device	US DOT- 122	
- hose	US DOT- 125	
- hose adaptor or coupling	US DOT- 126	
- inlet (loading) valve	US DOT- 127	
- inner packaging	US DOT- 128	
- inner receptacle	US DOT- 129	
- loading / unloading lines	US DOT- 135	
- manhole or dome cover	US DOT- 137	
- pipng or fittings	US DOT- 141	
- pressure relief valve	US DOT- 143	
- sample line	US DOT- 146	
- tank head	US DOT- 149	
- tank shell	US DOT- 150	
- vacuity visualization window (valve adapter)	suggestion	
- vacuum relief valve	US DOT- 153	
- vent	US DOT- 159	
- weld or seam	US DOT- 161	
- other		

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▶ imminent risk of loss of product (structural damage, no suitable for further carriage, ..)		
▶ container falling from the vehicle	suggestion	Even no leakage, from the packages inside the container, was reported

▶ Loss (location of the leakage from the storage tank) :		
- body	US DOT- 104	
- closure (cap, top, or plug)	US DOT- 109	
- flange	US DOT- 118	
- gauging device	US DOT- 122	
- hose	US DOT- 125	
- hose adaptor or coupling	US DOT- 126	
- loading / unloading lines	US DOT- 135	
- pipng or fittings	US DOT- 141	
- pressure relief valve	US DOT- 143	
- sample line	US DOT- 146	
- vacuum relief valve	US DOT- 153	
- vent	US DOT- 159	
- weld or seam	US DOT- 161	
- others		

8 CAUSE OF OCCURRENCE (related to a 1st assessment, if feasible)

■ Related to the transport unit

▶ Technical fault		
- electrical system failure		
- mechanical system failure		
- broken component or device	US DOT- 502	
- defective component or device	US DOT- 508	
- missing component or device	US DOT- 528	
- tyre		
- brake system failure		
- abrasion	US DOT- 501	
- corrosion		
- exterior	US DOT- 506	
- interior	US DOT- 507	
- poor conditions of the packaging	suggestion	
- defective measuring instruments	suggestion	
- others		

▶ <i>related to procedures</i>		
- improper preparation for transportation	US DOT- 517	
- inadequate maintenance	US DOT- 520	
- inadequate preparation for transportation	US DOT- 521	
- inadequate procedures	US DOT- 522	
- overfilled	US DOT- 529	
- over-pressurized	US DOT- 530	
- valve open	US DOT- 535	
▶ Faulty load securing	1.8.5	
- improper securing arrangement	suggestion	
- inadequate blocking and bracing	US DOT- 519	
▶ related to DG carried (spontaneous chemical reaction / combustion)		
- incompatible products	US DOT- 524	
- incompatible material of the containment (packaging or tank) with the product carried	suggestion	non-appropriated means of containment material for DG carried (subject to chemical reaction)
- self-ignition	US DOT- 503	
- polymerization	US DOT- 504	
▶ Human cause		
- lack of experience		
- inattention		
- non-compliance with the procedures		
- inadequate training	US DOT- 523	
- driver performs task not assigned to him		
- poor communication between the driver and the site operator / customer		
- others		
▶ External cause		
- weather conditions (freezing)		
- other		
▶ Other vehicle		

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■ Related to the loading / unloading site

▶ Technical fault		
- corrosion		
- poor condition of the storage tank		
- inappropriate tank material		non-appopriated means of containment material to DG carried (subject to chemical reaction)
- measuring instruments		
- other		
▶ Human cause		
- lack of experience		
- lack of training		
- acting without caution		
- forklift accident	US DOT - 513	
- operator / customer performs task not assigned to him		
- poor communication between the driver and the site operator / customer		
- non-compliance with the procedures		
- improper labelling on the packaging		
- other		
▶ External cause		
- weather conditions (freezing)		
- other		

10- CONSEQUENCES OF OCCURRENCE

■ Related to the transport unit

Estimated quantity of loss of products (kg or l)	1.8.5	
▶ Total number of personal injury :		
* number of deaths		
* number of injured people		
▶ Of those, number of personal injury in connection with DG:		
* number of deaths		

* number of injured people		

■ Related to the loading / unloading site

Estimated quantity of loss of products (kg or l)	1.8.5	From the storage tank
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▶ Total number of personal injury :		
* number of deaths		
* number of injured people		
▶ Of those, number of personal injury in connection with DG:		
* number of deaths		
* number of injured people		

Material / Environment damage

Estimated quantity of loss of products (kg or l)	1.8.5	
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Estimated level of damage ≤ 50,000 Euros	1.8.5	
Estimated level of damage ≥ 50,000 Euros	1.8.5	

Involvement of authorities

No	1.8.5	
Yes	1.8.5	
Evacuation of persons for a duration of at least 3 hours	1.8.5	
...		
Closure of public traffic routes for a duration of at last 3 hours...	1.8.5	

ACCIDENTS DURING TRANSPORT BY RAIL

(detailed description of rail events not yet completed)

		COMMENTS
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1- GENERAL INCIDENT / ACCIDENT INFORMATION

<i>Date</i>		
<i>Time</i>		
<i>City</i>		
<i>Country</i>		

Kilometre marker or GPS coordinates		
1.8.5 event : Y / N ?		
Event occurred during :		
- carriage		
- moving inside facilities		
- operation		

2- WEATHER CONDITIONS

- dry, clear	CADAS A-6.01	
- rain	CADAS A-6.02	
- snow	CADAS A-6.03	
- fog, mist, smoke	CADAS A-6.04	
- sleet, hail	CADAS A-6.05	
- severe winds	CADAS A-6.06	
- other	CADAS A-6.07	
- unknow	CADAS A-6.99	

3- LIGHTING CONDITIONS

- daylight	CADAS A-7.01	
- twilight	CADAS A-7.02	
- darkness street light lit	CADAS A-7.03	
- <i>darkness street light unlit</i>	CADAS A-7.04	
- darkness no street lights	CADAS A-7.05	
- darkness street lights unknown	CADAS A-7.06	
- darkness no street lights or street lights unlit	CADAS A-7.07	
- unknown	CADAS A-7.99	

4- RAILWAY INFRASTRUCTURE

- built-up area	1.8.5	
- open line	1.8.5	
- station	1.8.5	

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- shunting / marshalling yard :	1.8.5	
* receiving yard		
* classification yard		
* departure yard		
- industrial site		
- industrial / economic activity area		
- intermodal rail transport terminal	UNECE A.I-2506	
- loading / unloading / transshipment site		
- main railway line	CADAS A-1.12	
- internal service line (major railway site)		
- maintenance yard		
- rail-connected terminal		Track inside facilities connected to public rail network
- rail junctions		
- railroad crossing		

5- VEHICLE DESCRIPTION

Total number of rail freight wagon(s) involved		
Of those, total number of DG rail wagon(s)		
Rail wagon(s) equipped with the axles		
Rail wagon(s) equipped with the bogies		

■ Activity of DG train / rail wagon :		
- normal driving		
- stopped		
- parked		
- marshalling operations		
- filling		
- loading		
- unloading		
- transshipment		
- low-speed driving		

■ rail freight wagon shape :		
- platform wagon		
- hopper wagon		
- tank wagon		

- dumpcar wagon		
- closed-wagon		
- others		

6-MEANS OF CONTAINEMENT INFORMATION

- packaging	1.8.5	
- IBC	1.8.5	
- large packaging	1.8.5	
- small container	1.8.5	
- vehicle	1.8.5	For bulk carriage ?
- tank-wagon	1.8.5	
- tank-vehicle	1.8.5	
- battery-wagon	1.8.5	
- battery-vehicle	1.8.5	
- wagon with demountable tanks	1.8.5	
- demountable tank	1.8.5	
- large container	1.8.5	
- tank-container	1.8.5	
- MGEC	1.8.5	
- portable tank	1.8.5	
- dry bulk container [7.3.1.1 (a)]	UNECE B.II.B-06	
- code BK1		carriage in sheeted bulk containers
- code BK2		carriage in closed bulk containers
- dry bulk container [7.3.1.1 (b)]		
- code VC1		carriage in sheeted vehicles, sheeted containers or, sheeted bulk containers
- code VC2		carriage in closed vehicles, closed containers or, closed bulk containers
- code VC3		Carriage in specially equipped vehicles or containers
■ Temperature controlled box (tank / container)	UNECE B.II.A-24	
■ Means of containment material	1.8.5	

Tank code		
Packaging marking (if applicable)		This shall include only technical informations and skip nominative identification of approval body. As the marking gives codified information on the packaging type, the above mentions may not be necessary.

7- DANGEROUS GOODS INVOLVED

UN number	1.8.5	
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Name of the DG	1.8.5	
Class	1.8.5	
Packaging group	1.8.5	
Total quantity of DG carried (estimated)		

8- DESCRIPTION OF THE OCCURRENCE

▶ derailment		
▶ vapour cloud		
▶ suspicious smell		
▶ overturning / rolling over		
▶ drop from a height (train / rail wagon)		
▶ package drop		
▶ breakage of the connection fitting between cars		
▶ tank collapse		
▶ Collision :		
* speed		
* vehicle gross weight		
Collision against fixed obstacle (s) :		
- parked train / rail wagon		
- parked road transport unit		
- safety barrier		
- buffer stop		
- other		
Collision against moving obstacle (s) :		
- another train / rail wagon		
- heavy goods vehicle		
- DG heavy goods vehicle		
- bus		
- personal vehicle / van		
- agricultural tractor		
- other (motorcycle, bicycle, pedestrain, animal, ..)		

crash type (from the DG vehicle side) :		
- head-on collision		
- side-impact collision		

- rear-end collision		

► Fire (location) :		
- locotractor		
- rail wagon		
- train		

► Explosion		
* explosion without fire :		
- overpressure inside the tank / packaging		
- other		
* explosion with fire (concerned item) :		
- tank		
- pressure receptacle		
- other packaging		

► Loss (location of the leakage for all packaging) :		
- body	US DOT- 104	
- bottom outlet valve	US DOT- 106	
- closure (cap, top, or plug)	US DOT- 109	
- cover	US DOT- 110	
- flange	US DOT- 118	
- gauging device	US DOT- 122	
- hose	US DOT- 125	
- hose adaptor or coupling	US DOT- 126	
- inlet (loading) valve	US DOT- 127	
- inner packaging	US DOT- 128	
- inner receptacle	US DOT- 129	
- loading / unloading lines	US DOT- 135	
- manhole or dome cover	US DOT- 137	
- pipng or fittings	US DOT- 141	
- pressure relief valve	US DOT- 143	
- sample line	US DOT- 146	
- tank head	US DOT- 149	
- tank shell	US DOT- 150	

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- vacuum relief valve	US DOT- 153	
- vent	US DOT- 159	
- weld or seam	US DOT- 161	
- other		

9- TECHNICAL FAILURE (related to visible facts)

► Related to the transport unit :		
- traction unit		
- power supply		
- mechanical failure		
- axle locking / failure		
- discharge flap (hopper car)		
- brake		
- coupling device		
- corrosion		
- valve gasket		
- damaged packaging		
- hose coupling		
- hose		
- other		
► Related to the railway infrastructure :		
- embankment collapse		
- poor conditions of the railway line		
- master retarder		
- group retarder		
-		

10- CAUSE OF OCCURRENCE (related to a 1st assessment, if feasible)

► Technical fault		
- electrical system failure		
- mechanical system failure		
- brake system failure		
- corrosion		
- poor condition of the packaging or tank		

- inappropriate material of the containment (packaging or tank)		
- measuring instruments		
- bad calibration of the safety valve		
- switch point		
- other		
▶ Fault load securing		
- without securing arrangement		
- non-appropriate securing arrangement		
▶ Related to DG carried (spontaneous chemical reaction / combustion)		
▶ reaction between incompatible goods		
▶ Human cause		
- consumption of alcohol		
- consumption of narcotics		
- medical treatment / unwell feeling		
- excessive speed		
- lack of experience		
- inattention		
- sleepiness		
- careless driving		
- loss of control over the DGV (observation of speed limits)		
- loss of control over the DGV (non-specified)		
- non-compliance with the procedures		
- wrong switching		
- other		
▶ External cause		
- defective master / group retarder		
- poor conditions of the railway line		
- railway signals		
- weather conditions		
- other		
▶ Other vehicle		

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▶ Other (theft, sabotage, ...)		

12- CONSEQUENCES OF OCCURRENCE

Estimated quantity of loss of products (kg or l)	1.8.5	
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▶ Total number of personal injury :		
* number of deaths		
* number of injured people		
▶ Of those, number of personal injury in connection with DG:		
* number of deaths		
* number of injured people		

Material / Environment damage

▶ damage relating to DG packaging		
- abraded	US DOT- 301	
- bent	US DOT- 302	
- burst or ruptured	US DOT- 303	
- cracked	US DOT- 304	
- crushed	US DOT- 305	
- failed to operate	US DOT- 306	
- gouged or cut	US DOT- 307	
- leaked	US DOT- 308	
- punctured	US DOT- 309	
- ripped or torn	US DOT- 310	
- structural	US DOT- 311	
- torn off or damaged	US DOT- 312	
- vented	US DOT- 313	
- collapsed		

Estimated quantity of loss of products (kg or l)	1.8.5	
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Estimated level of damage ≤ 50,000 Euros	1.8.5	
Estimated level of damage ≥ 50,000 Euros	1.8.5	

Involvement of authorities

No	1.8.5	
Yes	1.8.5	
Evacuation of persons for a duration of at least 3 hours ...	1.8.5	
Closure of public traffic routes for a duration of at last 3 hours...	1.8.5	