

**FLIGHT QUALITY, SAFETY AND SECURITY BUREAU**

## Special DGR Safety Bulletin

**No. 03/2024**



### Events related to the transport of dangerous goods

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Dear Ladies and Gentlemen,

Observing the recent incidents with dangerous goods occurring in the LOT fleet, we decided to share some observations and information. For this purpose, this bulletin summarizing the second quarter of 2024 has been created.

To avoid fatal consequences, packages containing dangerous goods must be protected from damage, interaction, spontaneous change of position or movement:

- in storage,
- during transport from/to the aircraft,
- during unloading/loading from/to aircraft and ULD,
- in the aircraft.

Inspect hazardous materials shipments for markings, damage, and possible leaks prior to loading into aircraft.

If loads are handled improperly, the packages, and thus the contents, can be damaged.

Shipments with hazardous materials must be secured in a manner that prevents uncontrolled movement.

When securing the shipment with ropes, remember not to use too much force, which could result in damage to the packaging.

On airplanes, shipments of hazardous materials should be placed only in locations and in the manner permitted by DGR and carrier regulations.

In case of rain or inclement weather, the shipment should be properly secured on the cart.

Thank you for all the reports submitted and I encourage you to add the following information to your protocols:

- **Basic risk**
- **Subsidiary Risk**
- **Total Number of Packages and inner Packages**
- **Type of Outer Packaging and inner Packaging**
- **Quantity per inner Pack**
- **Packing Group**

In addition, I would like to remind you that the report should be emailed to **flight.safety@lot.pl** and **dgor@lot.pl** within the **next 72 hours after the event**. Please also send the AWB, NOTOC and checklist as an attachment to each report. In case of irregularities detected during unloading, please **send photos from the luggage hold**.

If the fire department or other chemical rescue personnel are called, request that a copy of the confirmation be attached.

Below is a brief description of hazardous materials incidents.

1. 080-37218182



During the unloading of the flight, a torn carton of radioactive material was noticed. The consignment was isolated and secured with red tape.

No photos from the luggage hold. The damage may have occurred due to the consignment being tied too strongly. Reminder to identify damage before unloading. Pay more attention when tying up shipments in the cargo hold.

2. 080-37465746



During the unloading of the flight, a carton of dry ice was noticed where the bottom wall of the carton was torn and open. No information about the damage from the unloading coordinator at the aircraft stand.

No photos from the luggage hold.

Pay more attention to shipments and the time at which the incident may have occurred.

3. 080-08974125



During unloading of ULD PMC38580LO, creasing and tearing of the carton was noted. No visible leaks.

The review of the CCTV video shows that no damage occurred during loading.

Pay more attention to shipments and the time at which the incident may have occurred.

4. 080-37324140

A consignment arrived, containing hazardous material in the form of lithium-ion batteries without accompanying documents.

During the course of the investigation, it was found that the Cargo Agent handed over the documents to the ground handling personnel.

Please check your shipments carefully with the necessary documentation.

5. 080-08959311



During unloading, cartons of hazardous material were noticed torn and sealed with yellow tape. The shipments were isolated and secured with red tape.

You should carefully inspect the shipment before loading and, in more critical cases, stop loading and set the package aside to replace the outer packaging or thoroughly secure it.



#### 6. e-cigarette



E-cigarette brand named smok (switched on) found by baggage contractor in compartment 3 during offloading bags. No damages and no injuries to be found.

The cause of the incident was the possession of an electric cigarette by a groundskeeper.

During loading, an item fell out of the pocket. The employee did not notice this incident. The switched-on device remained in the luggage compartment until unloading.

Pay more attention to your belongings and whether they remain on board the aircraft.

#### 7. 080-31354072

Shipment without documents.

The cause of the incident was the employee's non-attachment of documents.

Please check your shipments carefully with the necessary documentation.

#### 8. 080-37673786



Damaged parcel on arrival.

The package was tied too tightly and left marks on the sides.

Pay more attention when tying up shipments in the cargo hold.

9. 080-37533543



During the unloading of the aircraft, a damaged box of ammunition was pulled out of the front baggage compartment. After inspection and determination that there are probably no missing contents, the goods were taken to the cargo warehouse.

The cause of the incident was the use of weaker tape by the shipper.

You should carefully inspect the shipment before loading and, in more critical cases, stop loading and set the package aside to replace the outer packaging or thoroughly secure it.

10. 080-371144715

Upon inspection of the goods from the arrival, one of the packages was found to be marked as an excluded quantity of Class 8 hazardous material. The AWB shows a notation that there are no hazardous materials in the contents.

The cause of the incident was shipper error.

Please check your shipments carefully with the necessary documentation.

11. 080-19187431

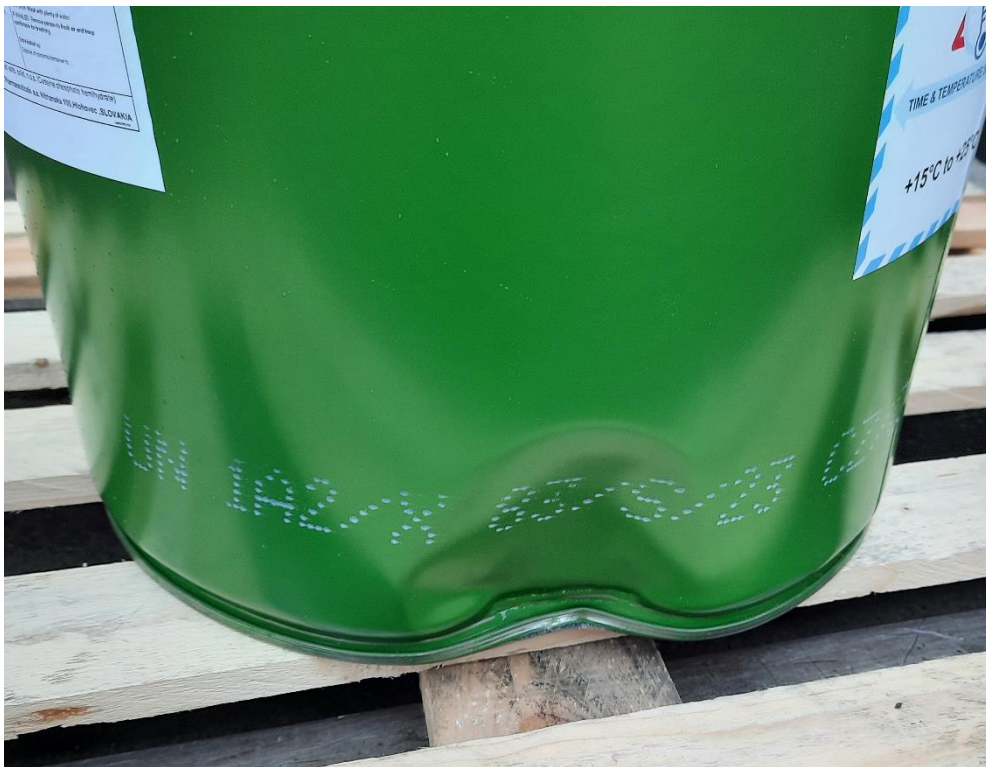


Upon inspection of the goods at ULD from arrival, one of the packages was found to be crushed.

The outer packaging was damaged. No damage to the hazardous material was found.

Be more careful when unpacking or building pallets.

12. 080-37370270



During unloading of the truck, a dent was noticed at the base of the steel cask. No visible puncture or spillage of contents.

CCTV images were obtained along with confirmation that the consignments were loaded onto the lorry in good condition.

The security barrier worked. Damaged barrel was detected before it was handed over to be loaded onto the aircraft.

Please pay more attention when loading or unloading shipments intended for transport by truck.

13. 080-37688556



The coordinator reported incorrectly secured cargo to RRY.

There was a misunderstanding with the LOT manual on the Loaders side. The tie-down was not according to the IATA standard fixing.

Pay more attention when tying up shipments in the cargo hold.



14. 080-36829660



Damaged, cut through one cardboard barrel.

The incident most likely occurred during transport due to the pallet rubbing against one barrel.

Be more careful when unpacking or building pallets.

15. 080-37329261

During unloading, a carton of hazardous material was noticed without UN markings, the correct shipping name and the shipper and consignee.

When the shipper replaced the outer package, he didn't transfer the markings from the old outer package to the new one. The DG member who finally accepted and confirmed the shipment, thought that the original member who checked the shipment- check it again after the replacement.

Check outer packaging carefully. Make sure that all required markings and/or labells are present.

16. 080-37452973



During unloading, it was noticed that the pallet with the goods containing the batteries was dented by the pallet above, which resulted in the lid breaking. No other additional damage was found.

Please properly perform shipment security before building up the pallet.



17. 080-37578402

A consignment of UN3290 has been detected in packaging group I.

It is classified in Table 1.7.A "High Consequence Dangerous Goods".

In LOT's GHM and in the IATA DGR book, variation LO-01, shipments in Table 1.7.A may not be transported on board LOT Polish Airlines aircraft."

On top of the standard IATA acceptance checklist for non-radioactive shipment, IATA DG Auto-check was used when accepting DG goods and both hints for state/operator variations were ignored.

Please check your shipments carefully with the necessary documentation. Ensure during loading that they are the correct packages for the cruise.

18. 080-37545480, 080-37585822, 080-37585881



Notification from flight coordinator of damaged (soaked) DGR cargo (DRY ICE, Biological Substance Category B). Cargo for departure was waiting in the technical field and got wet due to heavy rain (trailer was secured, tarpaulins fastened). Eight cargo boxes got wet.

More carefully protect shipments from precipitation for the period of transport to the plane for its loading. Pay attention to whether the trailer or conveyor belt is contaminated.

19. 020-24470913



Report from cruise coordinator of damaged DGR cargo(soaked bottoms of cartons).

More carefully protect shipments from precipitation for the period of transport to the plane for its loading. Pay attention to whether the trailer or conveyor belt is contaminated.

You should carefully inspect the shipment before loading and, in more critical cases, stop loading and set the package aside to replace the outer packaging or thoroughly secure it.

20. 080-37534464



An employee was placing parcels on a trailer. At some point, one of the parcels slipped off the pallet and the outer packaging was torn.

Be more careful when lifting shipments, they may be heavier than you assume.



21. 080-37534490



Reported damage to one of the cargo packages with access to the contents of class 1.4S(RXS-ammunition).

The cause of the incident was the use of weaker tape by the shipper.

You should carefully inspect the shipment before loading and, in more critical cases, stop loading and set the package aside to replace the outer packaging or thoroughly secure it.

22. 080-37698872



Report from flight coordinator of soaked outer packaging of 4 shipments out of 12 containing Class 9 DGR material.

Noted prior to loading, set aside.

Security barrier in place, soaking detected prior to loading onto aircraft and air transport.

More carefully protect shipments from precipitation for the period of transport to the plane for its loading. Pay attention to whether the trailer or conveyor belt is contaminated.



23. 080-37505532



During the unloading of the pallet, a torn carton of hazardous material was noticed.

The cctv recording did not indicate damage.

Please properly perform shipment security before building up the pallet.

24. 080-37664502



While unloading the goods from the lorry, a package of hazardous materials was noticed with a perforated outer packaging, no visible leaks.

The damage indicates improper operation of the forklift. Please pay more attention to shipments when unloading freight.

The security barrier worked. Torn package was detected before it was handed over to be loaded onto the aircraft.

Please properly perform shipment security before building up the pallet.

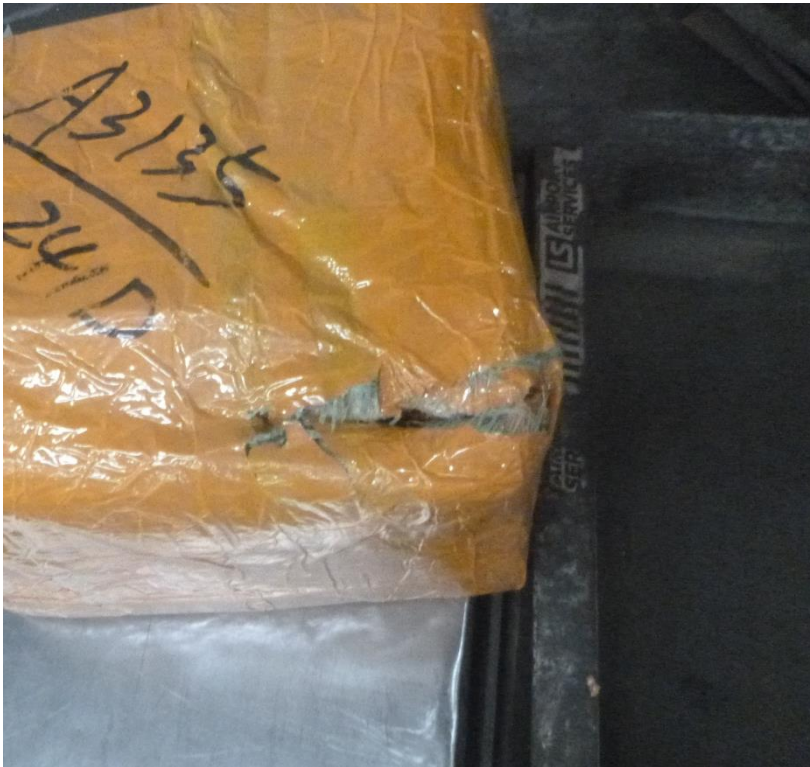
25. 080-37689772

During the handling of the shipment it was found: no accompanying documents for the radioactive shipment. No DGD, Checklist.

The missing documents have been uploaded.

Please check your shipments carefully with the necessary documentation.

26. 080-37502404



During unloading, a torn, ripped parcel of hazardous material was noticed. The consignment was isolated and secured with red tape.

You should carefully inspect the shipment before loading and, in more critical cases, stop loading and set the package aside to replace the outer packaging or thoroughly secure it.

Pay more attention to shipments and the time at which the incident may have occurred.

27. 080-40002126



Information from a cargo hauler about a pallet that fell off a trailer while driving. The locks were in good condition, the probable cause of the fall was the fall of the lock on the unevenness of the slab.

Check if shipments are properly secured on the trailer and transport them with care.



28. 080-37701823



Report of slight damage to the outer packaging of a DGR consignment containing a flammable liquid, RFL.

The damage indicates that the package was too tightly tied up in the luggage compartment.

Pay more attention when tying up shipments in the cargo hold.

29. 080-08977872



Cargo unloading staff reported a damaged package of hazardous materials spotted on an airline pallet. One carton of hazardous materials ELI (OVERPACK) is torn and wet. The contents of the consignment are soaked.

Be more careful when unpacking or building pallets. More carefully protect shipments from precipitation.

30. Pax baggage

The passenger had a 185 Wh powerbank in his checked baggage – item was removed.

The security barrier worked. The device with the battery was detected before the packages were handed over to be loaded onto the aircraft.



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**We would like to draw your special attention to loading, accepting and transporting on the apron in unfavourable conditions such as rain. Thank you very much.**