

REGULATIONS ON THE CARRIAGE OF DANGEROUS SUBSTANCES AND ARTICLES

Part 2: DHL Paket and letter-like shipments, national

1. GENERAL INFORMATION/SCOPE

This Part 2 of the Dangerous Goods Regulations applies to the domestic shipping of dangerous goods with DHL PAKET, DHL KLEINPAKET, letter-like shipments (DHL PÄCKCHEN, Warensendung (merchandise mail), DIALOGPOST GROB, POSTAKTUELL/POSTWURFSPEZIAL), DIALOGPOST SCHWER and DHL EXPRESSEASY NATIONAL. The following table presents a general overview of dangerous goods that may be shipped with the various Deutsche Post DHL products.

Product groups / Shipment type	Based on SP ¹ (3.3 ADR/RID), simplified transportation of dangerous goods	Dangerous goods in limited quantities (3.4 ADR/RID), with the exception of those excluded in no. 3	Lithium batteries with a maximum 100 Wh/ 2 g lithium (pursuant to SP 188)	Infectious substances (under UN3373, category B), excepted substances from veterinary treatments	Dried blood spots as per 2.2.62.1.5.5 ADR/RID
Example	Water carbonators, gas cylinders, as per SP 406	Paint as per UN 1263 PG ³ III up to 5 L per inner packaging	Cell phones, laptops	Blood vials, tissue samples	Dried blood spots (on absorbent material)
DHL Paket (parcel) / DHL Kleinpaket (small parcel)	Yes	Yes	Yes	Yes	Yes
Letter-like shipments ²	Yes	Yes	Yes	Yes	Yes
DIALOGPOST ⁴	Yes	Yes	Yes	No	No
DHL EXPRESSEASY NATIONAL	Yes	Yes	Yes	Yes	Yes

¹ SP = Special Provision

² (DHL PÄCKCHEN, WARENSENDUNG, POSTAKTUELL/POSTWURFSPEZIAL)

³ PG = Packing group

⁴ Promotional contents only

Unless otherwise specified, the following apply:

- German Transportation of Dangerous Goods Act (Gesetz über die Beförderung gefährlicher Güter – GGBefG)
- German Ordinance on the Transportation of Dangerous Goods by Ocean (Gefahrgutverordnung See – GGVSee)
- German Ordinance on the Transportation of Dangerous Goods by Road, Rail and Inland Waterways (Gefahrgutverordnung Straße, Eisenbahn und Binnenschifffahrt – GGVSEB)
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR/RID)
- IMDG Code
- German Hazardous Substances Ordinance (Gefahrstoffverordnung) and CLP Regulation

Dangerous substances and articles are accepted if the following exemptions are applicable to them:

2. PERMITTED SUBSTANCES AND ARTICLES

The following substances and articles are permitted (insofar as they are not excluded under section 3):

- Dangerous goods in limited quantities as per 3.4 ADR/RID
- Excepted quantities (very small quantities) as per 3.5.1.4. ADR/RID
- Dangerous goods not subject to ADR provisions due to:
 - Exceptions in accordance with 1.1.3.2. f) and g); 1.1.3.10 b) and d); 1.6.1.49 and 1.6.2.24 ADR/RID
 - Exceptions in the provisions governing classification pursuant to 2.2.2 to 2.2.62, 2.2.8 and 2.2.9 ADR/RID, insofar as they are not excluded under section 3
 - Special provisions pursuant to 3.3 ADR/RID, insofar as they are not excluded under section 3
 - Equipment (such as data loggers, cargo tracking devices) pursuant to 5.5.4.1 ADR/RID
 - Hazardous substances that are not dangerous goods

Note: the shipping of lithium ion and sodium ion batteries is permitted if shipped in compliance with the conditions of special provision 188 ADR/RID:

- Maximum nominal energy of 100 Wh per lithium or sodium ion battery
- Maximum 2 g lithium per lithium metal battery
- When shipped, must be packed using inner packaging, and in some cases cushioning material, to protect against damage/short circuits
- Accidental activation of the equipment must be effectively prevented

The following batteries are prohibited from shipping:

Damaged or defective lithium ion or sodium ion batteries/cells (either separately or in/with equipment or devices).

3. EXCLUDED SUBSTANCES AND ARTICLES

The following substances and articles are excluded from carriage:

- Those not approved for carriage according to the list in ADR/RID 2.2.xx
- Bearing the entry "CARRIAGE PROHIBITED" in Table A of Chapter 3.2 ADR/RID
- All Class 1 substances (explosive substances and objects containing explosive substances), such as ammunition specified under UN 12, 14 and 55; all types of sparklers and fireworks, UN 333, 334, 335, 336, 337 or safety devices, pyrotechnic (airbags, including built-in ones), UN 503
- Certain Class 2 substances (gases) such as gas cylinders (empty, full or partially full), gas lighters and their refill cartridges listed under UN 1057, refrigerated liquefied gases of the classification code 3A used for cooling and air-conditioning purposes or fertilizer, liquified solutions with free ammonia, UN 1043

- Certain Class 6.2 substances (infectious substances), such as those of category A, UN 2814 and 2900, medical and clinical wastes (UN 3291 and 3549), infected living animals pursuant to ADR/RID)
- Aviation regulated substances under UN 3334 and 3335 (for example, durian fruit) are prohibited
- All Class 7 substances and articles (radioactive material) such as ionizing smoke alarms, UN 2910 or 2911
- Certain Class 8 substances (corrosive substances) such as batteries that are not leak-proof listed under UN 2794 and 2795
- Certain Class 9 substances (miscellaneous dangerous substances and articles) such as UN 1845 solid carbon dioxide (dry ice) for cooling and air-conditioning purposes or otherwise
- Devices with wet or sodium batteries such as battery-operated vehicles and appliances
- With the entry "0" in column 7a, Table A, 3.2 ADR/RID
Exceptions: substances and articles specified under UN 1070, 2857, 2990, 3072, 3090, 3091, 3245, 3316, 3358, 3363, 3373, 3480, 3481, 3499, 3508, 3528, 3529, 3530, 3551, and 3552 that are transported under the conditions specified in these regulations
- Goods packed in excepted quantities pursuant to 3.5 ADR/RID
- Furthermore, substances and articles are excepted which, in addition to rules governing volume limitations in each inner packaging and concentrations, are subject to further conditions (such as a transport document) in special provisions (SP) pursuant to ADR/RID Section 3.3 (in particular SP 113, 168, 181, 188 third note, 201, 225, 235, 237, 239, 241, 250, 266, 271, 272, 273, 278, 280, 288, 289, 290, 296 a), 307, 309, 314, 318, 325, 326, 327, 340, 363 j-i, 364, 368, 369, 373, 375, 376, 377, 378, 379, 389, 390, 392, 395, 396, 565, 592, 593, 598, 636, 637 sentences 3 and 4, 645, 650, 658, 663, 667 b(ii)+c, 670, 672 (second indent).

4. PACKAGING AND SHIPPING

General provisions:

- All substances and articles (dangerous goods and hazardous substances) permitted in accordance with these regulations must be packaged safely. Unpackaged shipments (such as canisters) are not permitted. Packaging must offer sufficient protection against common static and dynamic stresses that are unavoidable during transportation. In particular, the packaging must not rip or burst open or be punctured, and must not cause any disruption during processing, regardless of whether this is carried out by hand or by machine (in sorting systems). If it must be ensured that packages with articles, machines, devices or equipment with dangerous liquid goods remain in their designated orientation, they must be declared and shipped as bulky goods.
- Type-tested packaging in accordance with 6.1 and 6.2 ADR/RID is considered to provide sufficient protection provided the conditions of the applicable packaging regulations have been complied with.
- If dangerous goods are shipped in limited quantities pursuant to 3.4 ADR/RID, the packaging provisions contained in 3.4.1, 3.4.2, 3.4.4 and 3.4.11 ADR/RID must be complied with, and combination packaging conforming to 6.1.4.21 ADR/RID must be used.
- For other dangerous goods permissible under Section 2 (including hazardous substances), the general packaging provisions in 4.1.1 (not including 4.1.1.3.1) ADR/RID must be complied with. In particular, sturdy, box-shaped, combination outer packaging conforming to 6.1.4.21 ADR/RID or overpacks that meet the requirements of 6.1.4 ADR/RID must be used.
- Trays that are shrink-wrapped or stretch-wrapped, letter envelopes/other envelopes, mailing pouches with bubble wrap, and foil bags may not be used as outer packaging, but may be used as inner or intermediate packaging.
- Screw caps on inner packaging containing liquids (such as cans, tubes, bottles, drums, and canisters) must be secured with an additional seal (such as adhesive tape) or tightened with the torque specified by the manufacturer.
- Threaded closures and screw caps are to be used to replace spray nozzle caps, which can be packed in loosely. Alternatively, spray nozzle caps can be protected using a suitable and sufficiently thick cushioning material.
- Caps and closures with integrated release devices (e.g., flip caps) must be equipped with an additional safety material (e.g., adhesive tape) to prevent leakage.
- If used as closing material,
 - Spreader clips
 - must have ends that are horizontal to one another
 - must be placed in all of the punched holes in the closure flap, which must be at least double-folded, and
 - must be flush on the top side
 - Staples must be attached in a way that ensures they do not stick out on the surface
 - Resealable closures (such as flaps with self-adhesive strips, slide locks and drawing fasteners, or certain types of cable seals) must continue to function properly even after being opened and closed several times; closure flaps may not stick out
 - Tuck-in flaps
 - must be latched in punch-outs or slots
 - must be locked in place using counter straps or
 - must be secured using adhesive tape
- Inner packaging that is liable to break or be easily punctured (such as containers made of glass, porcelain, stoneware, or certain plastics) must be placed in suitable intermediate packaging corresponding to the provisions pursuant to 4.1.1.1, 4.1.1.2, 4.1.1.4 to 4.1.1.8 ADR/RID and the packaging provisions of 6.1.4 ADR/RID.

- Pursuant to 4.1.1.11 ADR/RID, empty packaging that has contained a dangerous substance is subject to the same requirements as filled packaging, unless suitable measures have been taken (such as cleaning, neutralization, disinfection) in order to eliminate any risk. The provisions governing old packaging, discarded, empty, uncleaned, UN 3509, do not apply.
- After the restrictions described in 4.1.1.6 ADR/RID are taken into account and consideration is given to 4.1.10.1 ADR/RID, the substances and articles mentioned in Section 2 of this Part 2 of the regulations may be packed with other permissible goods (except gases which are transported in accordance with special provision 653/406), provided no dangerous reactions will occur if such substances/articles are released.
- The gross weight of the packages may not exceed 30 kg (in the case of matches, "strike anywhere," listed under UN 1331, in cardboard boxes: maximum 27 kilograms pursuant to 4.1.10.4 ADR/RID, MP 12).
- If dangerous goods are transported in accordance with the German Ordinance on the Transportation of Dangerous Goods by Road, Rail and Inland Waterways (GGVSEB) (ADR/RID), the customer must notify the sender of the dangerous goods prior to carriage:
 - provide information on the gross weight of each package in verifiable form (e.g., by means of a clearly visible, durable note on the package, or in written or digital form)
 - by means of labelling (for example, LQ, with the SP or UN number) indicating that the packages concerned contain dangerous goods.

Special requirements:

- If gases specified under UN 1006, 1013, 1046 and 1066 are transported in accordance with special provision 406 ADR/RID, they may not be packed together with other dangerous goods.
- Fire extinguishers as described in UN 1044 must be provided with effective protection against accidental activation (for example, a seal made of metal wire, pin with safety splint, or plastic cable tie). A suitable and sufficiently thick cushioning material must also be arranged around the trigger (push button or hand lever).
- Aerosol dispensers (UN 1950) must be provided with protection against inadvertent discharge, pursuant to special provision 190 ADR/RID (sentence 1).
- Packaging for substances and articles described in UN 1372, 1387 and 1856 must consist of at least three components:
 - a) one or more primary container(s): a plastic film sack with a minimum thickness of 100 µm (0.1 mm), each tightly sealed
 - b) placed in one or more secondary packaging(s): a plastic film bag with a film thickness of at least 100 µm (0.1 mm), each tightly sealed, and, in the case of liquid contents, with a sufficient amount of absorbent material
 - c) placed in suitably sized, stable outer packaging (such as a box made of double wall corrugated cardboard).

These articles and substances must be packaged in a way that ensures no leakage of any liquid contained therein. Overpacks are permitted.

- Class 8 liquid substances, packaging group II, in glass, porcelain or stoneware inner packaging must be enclosed in a compatible and rigid intermediate packaging.
- Magnetic substances (UN 2807) must be packaged in such a way that
 - the packages cannot stick to metallic surfaces in the sorting systems and
 - no damage or impairment to other shipment contents (e.g., magnetic data storage media) occurs.
 This can be achieved by means of suitable shielding of the magnetic field or by using packaging of a suitable size.
- Genetically modified micro-organisms (GMMO) and genetically modified organisms (GMO) as described in UN 3245 must be packed in accordance with 4.1.4.1 ADR/RID, Packaging Instruction P 904 ADR/RID.
- Articles with UN nos. 3166, 3363, 3528, 3529 and 3530 must be placed in liquid-tight packaging. All other dangerous substances contained in the articles must be emptied before packing (to the extent technically possible). Any openings present must be sealed so that they are spill-proof. An adequate amount of absorbent material must be packed in with liquid contents.
- Shipments containing substances and articles under 3.5.1.4 ADR/RID (very small quantities) must be packed in accordance with 3.5.2 ADR/RID and tested in accordance with 3.5.3 ADR/RID.

Specific provisions for infectious substances:

- Infectious substances of category B (including biological products) that are assigned to UN 3373
 - Regulation: P 650 pursuant to 2.2.62.1.4.2, 2.2.62.1.9 b) ADR/RID
 - Packaging requirements: Primary receptacle(s), secondary receptacle, outer packaging
 - Additional requirements: Outer packaging: rigid and box-shaped; if contents contain liquids the primary and secondary receptacle must be liquid-tight; if cooled with ice (no dry ice): Secondary receptacle in inner mounts; liquid-tight outer packaging or overpacks
- Exempted medical specimen or veterinary medical specimens (patient specimens)
 - Regulation: Pursuant to 2.2.62.1.5.8 ADR/RID
 - Packaging requirements: Primary receptacle(s), secondary receptacle, outer packaging
 - Additional requirements: Outer packaging box-shaped or mailing pouch made of corrugated or solid cardboard with a variable fill level up to 80 mm and area-related mass out of plastic or (soda) kraft paper with a standing base (for example, 150g/m²); liquid-tight primary and secondary receptacles, absorbent material in between (in the case of liquid contents)
- Exempted substances and articles pursuant to 2.2.62.1.5.1, 2.2.62.1.5.2 ADR/RID
 - Packaging requirements: Combination packaging consisting of inner and outer packaging
 - Additional requirements: Box-shaped outer packaging or pouches made of corrugated or solid cardboard with a variable fill level up to 80 mm and area-related mass out of plastic or (soda) kraft paper with a standing base (for example, 150 g/m²); for specimen slides: rigid inner packaging or rigid intermediate packaging
- Food, water and environmental samples under 2.2.62.1.5.4 ADR/RID
 - Packaging requirements: Combination packaging consisting of inner and outer packaging; in the case of liquids, inner packaging must be liquid-tight or there must be absorbent material in between
- Preventive medical checkups (screening samples) to detect the presence of blood in stool, under 2.2.62.1.5.6 ADR/RID
 - Packaging requirements: Combination packaging consisting of inner and outer packaging
 - Additional requirements: Outer packaging box-shaped or mailing pouch made of corrugated or solid cardboard with a variable fill level up to 80 mm and area-related mass out of plastic or (soda) kraft paper with a standing base (for example 150g/m²); for liquid stool, absorbent material or liquid-tight inner packaging is required; for specimen slides: rigid inner packaging or rigid intermediate packaging
- Blood, blood components, tissues, organs, samples for transfusion or transplantation, and preparation of blood products under 2.2.62.1.5.7 ADR/RID
 - Packaging requirements: Combination packaging consisting of inner and outer packaging
 - Additional requirements: Outer packaging of envelope consisting of fiber-reinforced paper or plastic
- Medical products and equipment pursuant to 2.2.62.1.5.9 ADR/RID
 - Packaging requirements: Combination packaging consisting of inner and outer packaging

- Additional requirements: break and puncture-proof, box-shaped outer packaging or pouch made of corrugated or solid cardboard with a variable fill level up to 80 mm and area-related mass of at least 150 g/m²
- 8. Biological products pursuant to 2.2.62.1.9 A) ADR/RID (excepted)
 - Packaging requirements: Combination packaging consisting of inner and outer packaging
 - Additional requirements: Outer packaging: box-shaped or pouch made of corrugated or solid cardboard with a variable fill level up to 80 mm and area-related mass of at least 150 g/m²
- 9. Dried blood spots as per 2.2.62.1.5.5 ADR/RID
 - Packaging requirements: Combination packaging consisting of inner and outer packaging.

5. LABELING OF OUTER PACKAGING

Shipments of dangerous goods packed in limited quantities as per 3.4 ADR/RID must be clearly and durably marked in accordance with 3.4.7 ADR/RID as follows (ideally on the address side):



The upper and lower regions and the edge line of this mark must be black. The area in the middle must be white or a color which provides an adequate contrast to the background, and may not contain any additional writing (for example, UN no., designation or description). The minimum dimensions are 100 x 100 mm, and the minimum width of the diamond outline is 2 mm.

If necessary due to the size of a package, this label may be reduced in size, but to no less than 50 x 50 mm, and the width of the line enclosing the diamond-shaped area may be reduced to 1 mm, provided everything remains clearly visible. The page length must be selected such that the marking appears as large as possible on the mailed item. An arbitrary reduction in size is not permitted. Packages bearing a mark pursuant to 3.4.8 ADR/RID (diamond shape containing a "Y") are permitted according to 3.4.9 ADR/RID. Overpacks must be marked in accordance with 3.4.11 ADR/RID.



Packages that display additional information (not in the diamond) but next to the symbol described above (such as UN number and designation) will not encounter any problems. Packages containing fire extinguishers (UN 1044) transported in accordance with special provision 594 ADR/RID are to be labelled "FIRE EXTINGUISHER" (letter height: minimum 12 mm).

Infectious substances and articles of category B (including biological products) that are classified under UN 3373 must be labeled

- with UN3373 inside the diamond symbol (minimum dimensions: 50 x 50 mm; line width at least 2 mm; character height at least 6 mm)
- "Biological Substance, category B" (character height at least 6 mm, placed directly next to the diamond)



Packages containing exempted patient specimens and unsterilized medical instruments and devices are to be labeled as follows:

- "EXEMPTED MEDICAL SPECIMEN" or "EXEMPTED VETERINARY MEDICAL SPECIMEN"
- "USED MEDICAL INSTRUMENT" or "USED MEDICAL DEVICE"

Packages containing specific dangerous goods that are transported according to special provisions pursuant to 3.3 ADR/RID must be marked as follows:

- GMO or GMMO pursuant to special provision 219 ADR/RID and Packaging Instruction P 904, with "3245" and preceded by the letters "UN" inside a diamond symbol (dimensions: minimum 50 x 50 mm; character height: min. 6 mm)
- Substances pursuant to special provision 406 ADR/RID with LQ marking
- Lithium and sodium ion batteries specified under UN 3090, 3091, 3480, 3481, 3551 and 3552 must be labeled in accordance with special provision 188/400 ADR/RID with the marking pursuant to 5.2.1.9 ADR/RID.



This provision does not apply to packages which

- contain only button-cell batteries installed in equipment (including circuit boards)
- contain no more than four cells installed in equipment
- contain two batteries installed in equipment, so long as the shipment contains no more than two of such packages



Overpacks must be marked in accordance with SP 188/400 ADR/RID.

When transporting items listed under UN 3556, 3557 and 3558, vehicles with lithium or sodium ion batteries, to German islands, they must be labeled with hazard label no. 9A and with the applicable UN number directly next to it.



Packages containing expandable polymeric beads that emit flammable vapor (UN 2211) are to be labelled "KEEP AWAY FROM HEAT AND IGNITION SOURCES."

In the case of packages containing hazardous substances, the inner packaging must bear the hazardous substance labels in accordance with the CLP Regulation. Outer packaging (transport packaging) does not require external labelling.

Orientation arrows must be applied in accordance with 5.2.1.10 ADR/RID (this also applies to packages containing articles specified under UN 1044, 2857, 3166, 3358, 3363, 3528, 3529 and 3530).



All labels and markings as well as addresses must be clearly and durably applied in a color which provides an adequate contrast to the background.

6. SPECIAL NOTES

When transporting items to German islands, a transport document conforming to the IMDG Code is generally required.

The additional specifications set forth in the most recent versions of the following must also be complied with for all packages:

- General Terms & Conditions of DHL Paket/Express national
- Conditions of Dispatch for DHL Paket national and international
- Services and Prices (Leistungen und Preise) directory (in particular minimum and maximum dimensions and maximum permitted gross weights)
- Product-specific service descriptions and brochures

In cases of doubt regarding the permissibility of a substance or article for carriage, the contact details listed in the Services and Prices (Leistungen und Preise) directory or on dhl.de/kontakt can be used for inquiries.

The sender shall be liable for the consequences of any damage occurring during shipping owing to non-compliance with:

- Classification, packaging and labeling provisions
- The provisions of these regulations and
- Other postal regulations

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