

5X (United Parcel Service)

Note:

The most current information about UPS services and restrictions may be found at the following web site:

<https://www.ups.com/us/en/support/shipping-support/shipping-special-care-regulated-items.page>

Information regarding all UPS services may be found at the following web site:

<https://www.ups.com/us/en/Home.page>

5X-01 Small Package Service:

Small Package Service—All Locations: Shipments of Dangerous Goods in the UPS Small Package service will be accepted by contract only, in accordance with the current Hazardous Materials Resource Center. Users may contact their Business Development resource or refer to the following web site:

<https://www.ups.com/us/en/support/shipping-support/shipping-special-care-regulated-items/hazardous-materials-guide.page>

For acceptance information and limitations specific to UN/ID numbers, review and download the UPS Dangerous Goods Chemical Tables at the following web site: <https://www.ups.com/us/en/support/shipping-support/shipping-special-care-regulated-items/hazardous-materials-guide/hazardous-material-service-definition/dangerous-goods-chemical-tables.page>

When shipping packages requiring an IATA Shipper's Declaration for Dangerous Goods, combination packagings must be used for shipments made under passenger aircraft provisions. Single packagings may only be used for approved "Cargo Aircraft Only" (CAO) shipments.

Not more than three compatible different dangerous goods may be contained in one outer packaging (5.0.2.11).

Shippers must process their shipments using a UPS-compliant shipping solution in conjunction with dangerous goods / hazardous materials shipment preparation software. Shippers must utilize the current version of UPS-provided WorldShip, purchase approved third-party software, or use a comparable system. Using a UPS-compliant shipping solution ensures the required shipper documentation, either U.S. DOT Shipping Papers or DG Declarations for IATA are computer generated and the shipping data are sent electronically to UPS for each individual package.

Packages containing dry ice as coolant for non-dangerous goods, are limited to 150 lb or 68 kg gross weight worldwide. Packages containing dry ice as coolant for dangerous goods, are limited to 66 lb or 30 kg gross weight worldwide.

All Dangerous Goods permitted in Excepted Quantities are accepted. UPS class/division restrictions do not apply to Dangerous Goods in Excepted Quantities.

Small Package Service—Origins or Destinations outside U.S.:

Users may locate complete information about UPS Small Package International Dangerous Goods service, including specific limitations per package, posted in our online resource center at:

<https://www.ups.com/us/en/support/shipping-support/shipping-special-care-regulated-items/hazardous-materials-guide.page>

Contract requirements for origins or destinations outside the U.S. apply to dangerous goods requiring an IATA Shipper's Declaration for Dangerous Goods, as well as UN 3373 Biological Substances Category B, Dry Ice and Excepted Quantities. Contact your Business Development resource for assistance.

Non U.S. origin or destination Dangerous Goods packages must not exceed 30 kg gross package weight.

A listing of approved Countries or Territories authorized as origins and destinations is shown at the following web site. Refer to the postal code listings where applicable for additional limitations:

<https://www.ups.com/us/en/support/shipping-support/shipping-special-care-regulated-items/hazardous-materials-guide/hazardous-material-service-definition/approved-country-list.page>

The following classes/divisions of Dangerous Goods are prohibited from UPS International Small Package service:

- Class 1 (Explosives)
- Division 2.3 (Toxic Gas)
- Division 4.2 (Spontaneously Combustible)
- Division 4.3 (Dangerous When Wet)
- Division 5.2 (Organic Peroxide)
- Division 6.1—Substances requiring a “Toxic” label other than those assigned to P.G. III, which must display the marking “PGIII” adjacent to the “Toxic” label
 - Shipments of UN 1230, Methanol (accepted only within Europe) do not require the “PGIII” marking
 - Shipments of UN 3506, Mercury contained in manufactured articles will be accepted only when the packages do not require or display a “Toxic” subsidiary hazard label. See IATA Special Provision A191.
- Division 6.2 (Infectious Substances, Category A)
- Class 7—Substances requiring a “Radioactive” White–I, Yellow–II, Yellow–III, or Fissile label.
 - Radioactive Material, Excepted Package shipments are also prohibited (except between the U.S. and Canada).
- Class 9—Shipments of UN 2807, Magnetized material which conform to Packing Instruction 953 are limited to origins and destinations within the UPS International Dangerous Goods (IDG) network. A listing of origins and destinations authorized for IDG may be found at the following link: <https://www.ups.com/us/en/support/shipping-support/shipping-special-care-regulated-items/hazardous-materials-guide/hazardous-material-service-definition/approved-country-list.page> Additionally, such shipments must be labelled in accordance with Packing Instruction 953 and documented in one of the following ways:
 - Identified as “Magnetized material” in a Package Reference field on the UPS Shipping Label; or
 - Accompanied by a written document, affixed directly to the outside of the package, or contained in a resealable envelope on the package, identifying the contents as “Magnetized material”.

5X-02 Not used.

5X-03 UPS Air Cargo Service: Dangerous goods shipments will be accepted in Air Cargo Service by contract only. All contract applications must be reviewed by Air Cargo Service. The UPS Air Cargo service accepts specific UN numbers and has approved routes on which dangerous goods can be transported. Refer to the below link to view the **Agreement for Transportation of Dangerous Goods, Approved Dangerous Goods Routes, Approved Dangerous Goods** listing and Air Cargo contact information:

<https://www.aircargo.ups.com/en-US/approved-dangerous-goods>

5X-04 UPS Global Freight Forwarding: Dangerous Goods shipments in UPS Air Freight Services are accepted by arrangements between UPS Airlines and UPS Supply Chain Solutions. Prohibited hazard classes include:

- Divisions 1.1, 1.2, 1.3, 1.4B, 1.4F, 1.5 and 1.6 (Explosives)
- Division 2.3 Toxic Gases
- Substances having either a primary or subsidiary hazard of Division 6.1—with a Packing Group I inhalation toxicity
- Division 5.2 (Organic Peroxide)
- Division 6.2 (Infectious Substances, Category A)
- Class 7 (outside of the U.S., Canada, and Mexico)—substances requiring a “Radioactive” White-I, Yellow-II or Yellow-III label.
 - Materials requiring a Fissile label are not accepted in any UPS service.
 - Radioactive Material, Excepted Package shipments are also prohibited outside the U.S. and Canada.

UPS Worldwide Express Freight (WWEF) is an Air Freight service requiring a separate contract that utilizes the dangerous goods limitations in our small package service, with the below exceptions:

- Lithium Battery shipments (UN 3480, Lithium ion batteries and UN 3090 Lithium metal batteries) prepared in accordance with Section IA are prohibited to, from or within Europe.
- Cargo Aircraft Only (CAO) shipments of classes 1 to 8 are prohibited. Class 9 CAO shipments are authorized.

For more information regarding UPS Worldwide Express Freight, contact your Business Development resource.

5X-05 All Services: When an IATA Shipper's Declaration for Dangerous Goods is required, the shipper must present three original copies.

5X-06 All Services: To maintain compliance with USG-18, for the following listed materials, UPS requires all packages to comply with U.S. DOT packaging requirements contained in 49 CFR 173.302(f) and 173.304(f). Such packagings must be marked with the text "DOT31FP" on the outer package. Affected entries are:

UN 1070—Nitrous oxide—see 49 CFR 173.304(f)

UN 1072—Oxygen, compressed—see 49 CFR 173.302(f)

UN 2451—Nitrogen trifluoride—see 49 CFR 173.302(f)

UN 3156—Compressed gas, oxidizing, n.o.s.—see 49 CFR 173.302(f)

UN 3157—Liquefied gas, oxidizing, n.o.s.—see 49 CFR 173.304(f)

UN 3356—Oxygen generator, chemical—see 49 CFR 173.168

-Carbon dioxide and oxygen mixture, compressed—see 49 CFR 173.304(f)

5X-07 All Services: The following limitations apply to the commodities identified here:

- Shipments of UN 3077, **Environmentally hazardous substance, solid, n.o.s.** will not be accepted when contained in Intermediate Bulk Containers (IBCs) in any UPS air services (including UPS Small Package, UPS Air Freight services or UPS Air Cargo services);
- Shipments of UN 2807, **Magnetized materials**, for which the magnetic field strength exceeds 0.00525 gauss when measured at 4.6 m from any surface of the package are not accepted in UPS services (including UPS Small Package; UPS Air Freight services or UPS Air Cargo services);
- Shipments of UN 3245, **Genetically modified organisms** or **Genetically modified micro-organisms** with an origin and/or destination outside the U.S. are not accepted in UPS small package services. For UPS Air Freight or UPS Air Cargo services, case-by-case approval is required to assure the ability to import or transit the shipments within countries involved.
- Substances that require the Keep Away from Heat label, or which are subject to Special Provision A136, are not accepted in any UPS air service (including UPS Small Package, UPS Air Freight services or UPS Air Cargo services).

5X-08 Lithium Batteries: The following requirements and limitations apply to battery shipments:

- To facilitate seamless transport of shipments tendered without an IATA Air Waybill, UPS requires lithium battery packages of UN 3481 or UN 3091 prepared and marked/labelled in accordance with Section II of the relevant Packing Instruction, be also marked with appropriate information on the address label or adjacent to the Battery Mark (7.1.5.5) to enable UPS to identify the shipment type when transferring to partner air carriers. For example:

— P.I. 966-II

— P.I. 967-II

— P.I. 969-II

— P.I. 970-II

Alternatively, such information may be included on a document accessible from the outside of the package. The additional marking applies to packages with an origin or destination outside of the 48 contiguous U.S. States and Puerto Rico.

- Shipments of refurbished lithium batteries, or refurbished lithium batteries packed with or contained in equipment, are not accepted unless specifically approved by the UPS Air Dangerous Goods Department (SDF); Refer to 5X-09 regarding the approval process.
- Shipments of lithium batteries in any UPS air services (including UPS Small Package, UPS Air Freight or UPS Air Cargo services) which require the use of Special Provisions A88, A99, A183, or A331 are required to be pre-approved by the UPS Air Dangerous Goods Department (SDF); Refer to 5X-09 regarding the approval process.
- For UPS Small Package service, shipments of UN 3171, **Battery-powered vehicle**, will only be accepted under the following conditions:
 - Package is limited to a maximum gross weight of 30 kg;
 - Not accepted as Cargo Aircraft Only (CAO);
 - For vehicles containing lithium batteries that would separately be classified as UN 3480 or UN 3090, the batteries contained in the vehicle are limited to a total of 5 kg maximum net weight;
 - For packages of UN 3171 powered by lithium batteries, UPS requires the additional marking, “Contains Lithium Batteries.” The marking must meet the requirements as stated in 7.1.4.4.1 and be near the proper shipping name mark;
 - For vehicles containing a wet, non-spillable battery or batteries therein that would separately be classified as UN 2800. The battery contained in the vehicle is limited to 25 kg maximum net weight.
- Shipments of UN 3171, **Battery-powered vehicle**, containing defective or damaged batteries are not accepted by UPS.

All customers who wish to ship UN 3090, **Lithium metal batteries** without equipment via UPS Air services (including UPS Small Package, UPS Air Freight services or UPS Air Cargo services) must obtain pre-approval from UPS Airlines. This approval is separate and in addition to any other required UPS agreement. This approval does not include UN 3091, **Lithium metal batteries contained in equipment** or **Lithium metal batteries with equipment**, UN 3171, **Battery-powered vehicle**, UN 3480 **Lithium ion batteries**, or UN 3481 **Lithium ion batteries contained in equipment** or **Lithium ion batteries with equipment**.

More information regarding the approval program may be found at the following link:

<https://www.ups.com/us/en/support/shipping-support/shipping-special-care-regulated-items/hazardous-materials-guide/how-to-ship-batteries.page>

5X-09 UPS Airline Approvals:

For items requiring UPS Airline Dangerous Goods approval; such as but not limited to PEDs, data loggers and trackers that are intentionally activated during flight, any device or article powered on or active during flight, low production or prototype batteries, UN 3090 Lithium Metal Batteries (see 5X-08), batteries shipped under a Competent Authority approval, or any other commodity requiring operator approval; contact UPS Airlines Dangerous Goods at dangerousgoods@ups.com.