FedEx Express IATA Variations

The following are FedEx Express exceptions to International Air Transport Association (IATA) dangerous-goods regulations. This information is excerpted from the 2013 IATA Dangerous Goods Manual, including the requested Jan. 2013 Addendum.

FX-01 Class 1 articles or substances offered on FedEx International Priority Freight (IPF), FedEx International Premium (IP1), FedEx International Express Freight (IXF) or FedEx International Airport-to-Airport (ATA) may require pre-alert or pre-approval. Call FedEx Express Freight Customer Service at (800) 332-0807 for additional information (see Packing Instructions 101–143). Any Class 1 shipments originating in a non-U.S. location require pre-approval. Call your local FedEx customer service number and ask for FedEx Express Freight customer service.

FedEx Express will not accept for transport any explosives assigned to Division 1.3.

FX-02 Except for UN 1230 — Methanol, substances with a primary or subsidiary risk of Division 6.1 in Packing Group I or II:

- with an origin and destination within the USA, including Puerto Rico, will only be accepted if in approved DOT Exemption/Special Permit (SP) packaging;
- will only be accepted for International transport in “V” rated combination packaging. Contact FedEx for specific details.

Shippers of Division 6.1, Packing Group III primary or subsidiary risk MUST indicate “PG III” adjacent to the hazard label on the outer package.

Poison Inhalation Hazard (PIH) with a hazard zone “A” or any Class 2 substance with a toxic primary or subsidiary risk label will not be accepted for carriage.

FX-03 Class 7 substances offered on FedEx International Priority Freight (IPF), FedEx International Premium (IP1), FedEx International Express Freight (IXF) or FedEx International Airport-to-Airport (ATA) may require pre-alert or pre-approval. Call FedEx Express Freight Customer Service at (800) 332-0807 for additional information. Plutonium 239 and 241 will not be accepted as UN 3324, UN 3325, UN 3326, UN 3327, UN 3328, UN 3329, UN 3330, UN 3331 or UN 3333.

FedEx Express will not accept labeled radioactive material with a subsidiary risk of 1.4, 2.1, 3, 4.1, 4.2, 4.3, 5.1, 5.2, 8, or 2.2 with a Cargo Aircraft Only label unless the shipper has been pre-approved.

Class 7 shipments originating in a non-U.S. location require pre-approval. Call your local FedEx customer service number and ask for FedEx Express Freight customer service.

All fissile shipments worldwide require pre-approval. Call 1-901-434-3200 for assistance.

FX-04 The following Class 8 substances will not be accepted for carriage:

**UN Number — Description**

UN 1796 — Nitrating acid mixture, over 40% concentration

UN 1826 — Nitrating acid mixtures, spent, over 40% in original solution

UN 2031 — Nitric acid, over 40% concentration

When shipping the above substances in acceptable concentrations, the concentration MUST be indicated on the Shipper's Declaration in association with the proper shipping name.
FX-05 Hazardous waste as defined in USG-04, will not be accepted for carriage.

FX-06 Polychlorinated biphenyls: The following Class 9 materials, if known or suspected to contain PCBs, must be packaged as follows — for liquids: IP3 or IP3A inner metal packaging with absorbent material utilized to fill all available space; for solids: any inner packaging as per applicable packing instruction is permitted. Outer packaging must be a 1A2 steel drum, 4H2 plastic box, USA DOT-SP 8249, 9168 or 11248:

<table>
<thead>
<tr>
<th>UN Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 2315</td>
<td>Polychlorinated biphenyls, liquid</td>
</tr>
<tr>
<td>UN 3077</td>
<td>Environmentally hazardous substances, solid, n.o.s.</td>
</tr>
<tr>
<td>UN 3082</td>
<td>Environmentally hazardous substances, liquid, n.o.s.</td>
</tr>
<tr>
<td>UN 3432</td>
<td>Polychlorinated biphenyls, solid</td>
</tr>
</tbody>
</table>

FX-07 Lithium batteries (Section I, Section IB and Section II) must not be shipped in the same package as the following dangerous goods classes/divisions: 1.4, 2.1, 3, 4.1, 4.2, 4.3, 5.1, 5.2 and 8, and 2.2 with a Cargo Aircraft Only label. This includes All Packed in One, Overpacks and combination All Packed in One/Overpacks.

Lithium metal batteries, (primary non-rechargeable) UN 3090 which are shipped either fully regulated or in accordance with Section IA, Section IB and Section II of Packing Instruction 968 require pre-approval. See www.fedex.com/us; keyword lithium batteries (search field).

Effective January 1, 2013, UN 3480 Lithium Ion Batteries and UN 3090 Lithium Metal Batteries prepared in accordance with Section IB will require a DG Shipper’s Declaration with each shipment. IB must be indicated in the Authorization Column or the Additional Handling Information. Alternative documentation will not be allowed.

FX-08 Dry Shippers/Dry Dewars meeting the definition of the Note in Packing Instruction 202 must have the outer container marked “Dry Dewar” or “Dry Shipper.” If the contents being kept cold are not a dangerous good or UN 3373 then also mark “Not Restricted” or “Non-Hazardous” on the outer container.

FX-09 Division 6.2, items classed as Risk Group 4 by the World Health Organization (WHO) will not be accepted for carriage.

FX-10 Not Used.

FX-11 Dangerous goods packages that cannot accommodate all of the required Federal Express and regulatory documentation as well as all required regulatory markings and labeling on the top or sides of the outer package, will not be accepted for carriage. Any required documentation, marking and labeling will not be permitted on the bottom of the package. FedEx branded packaging including brown boxes may not be used to ship dangerous goods or dry ice. Exceptions: FedEx Express white and brown boxes and tubes may be used for FedEx Express Section II lithium battery shipments. UN 3373, Biological Substance Category B may be shipped in the FedEx UN 3373 Pak and the FedEx Clinical Box.

FX-12 This variation applies only when FX-18 does not apply. Handwritten Shipper's Declarations will not be accepted. The following fields on the Shipper's Declaration must be typed or computer generated:
UN or ID number including the prefix, Proper shipping name, Hazard class or division, Subsidiary risk or division(s), Packing Group, Packaging Type, Packing Instruction, Authorization, Emergency telephone number.

For radioactive shipments, in addition to the items listed above the following must also be typed or computer generated.

Radionuclide, Special Form or Physical and Chemical Form. All other entries may be handwritten.

Note: The technical name may be handwritten.

Handwritten alterations/amendments to an entry required to be typed per FX-12 are acceptable if each alteration/amendment is legible and signed with the same signature used to sign the Shipper's Declaration.

**FX-13** FedEx Express will only accept Oxygen, compressed (UN 1072) when packed in an ATA Specification 300 Category I outer packaging. Packaging must be marked in accordance with the marking criteria of Air Transportation Association (ATA) specification No. 300. In addition, FedEx Express will require the outer package to have the additional tested specification mark of DOT31FP (see Packing Instruction 200 and USG-15(d)).

The additional tested specification mark of DOT31FP will be required in addition to the specification container utilized and marked for all UN numbers listed in USG-18 which include UN 3156, UN 3157, UN 2451, UN 1070 and UN 3356.

**FX-14** When a Shipper's Declaration is required, three (3) copies must be provided with each shipment at the origin location. At least two of the copies must have the diagonal hatchings printed vertically in the left and right margins and must be printed in red.

**FX-15** The following substances will not be accepted for carriage:

**UN Number — Description**

UN 1001 — Acetylene, dissolved

UN 1162 — Dimethyldichlorosilane

UN 1308 — Zirconium suspended in a flammable liquid, Packing Group I

UN 1873 — Perchloric acid, over 50% concentration

**FX-16** FedEx Express will not accept for transport any item with an A2 or A183 Special Provision even with a Competent Authority approval.

**FX-17** When using International Economy (IE) or International Economy Freight (IEF) to ship liquids in the primary hazard classes/divisions of 3, 4.2, 5.1, 5.2 and 8, customers must use "V rated" packaging. See [www.fedex.com/us](http://www.fedex.com/us); keyword dangerous goods (search field); FedEx Services Available to Ship Dangerous Goods.

**FX-18** Shipper's Declaration for Dangerous Goods forms for all FedEx Express® dangerous goods shipments originating in the U.S. must be prepared using software with dangerous goods compliance edit checks and by one of the following methods:

- Certain FedEx electronic shipping solutions.
- Recognized shipper proprietary software.
- FedEx recognized dangerous goods vendor software.
FX-18 currently does not apply to:

- Shipments originating in non-U.S. locations (including U.S. territories overseas, such as Puerto Rico).
- U.S. origin shipments on an IATA 023 air waybill including FedEx International Airport-to-Airport℠ (ATA), FedEx International Express Freight® (IXF) and FedEx International Premium® (IP1).
- Shipments containing class 7 radioactive materials.

**FX-19** Overpacks containing Dry Ice must be marked with the total net quantity (kg) of Dry Ice contained in the overpack.

*Note: A list of approved dangerous goods shipping application vendors can be reviewed at www.fedex.com/us; dangerous goods (keyword). Shipper declaration “templates” from FedEx Express will no longer be accepted.*