

Dangerous Goods Shipping Guide

As a shipper, you are required to comply with applicable Amazon Service Guide regarding Permissible Dangerous Goods as well as Prohibited Goods. This guide is intended to help you understand the importance of these policies, as well as how you can identify Dangerous Goods. For a complete list of Prohibited Goods and Permissible Dangerous Goods, please consult the applicable Service Guide [here](#).

What is a dangerous good?

Dangerous goods are substances or materials that might pose a risk to health, safety, property or the environment while storing, handling or transporting because they contain flammable, pressurized, corrosive or otherwise harmful substances. For more information please refer to the Amazon Shipping Dangerous Goods Identification Guide.

What dangerous goods can be approved for shipping with Amazon Shipping?

Once you have become an approved dangerous goods shipper, you must ensure that the dangerous goods comply with all applicable laws and regulations. You may be approved to ship lithium battery products contained in and with the equipment, and certain hazmat classes shipped as Limited Quantities (LQ). Please refer to the below list of UN IDs permissible within Classes 2, 3, and 9, and Divisions 2.1 and 2.2 to determine whether your product is eligible to be approved for shipping. Dangerous goods against a UN ID, Class, or Division other than the ones listed below are prohibited for shipping with Amazon Shipping.

Class	Division	Name	Transport label	Permissible UN IDs	Examples
2	2.1	Flammable gases		UN1950	Hair sprays, bear sprays, deodorant aerosols, dry shampoo, foaming shower gel, paint aerosol
	2.2	Non-flammable, non-toxic gasses		UN1950 UN2037 UN1956	Shaving gel aerosol, whipped cream aerosol, CO2 cartridges
3	-	Flammable liquids		UN1090 UN1272 UN1120 UN1993 UN1123 UN2046 UN1130 UN2052 UN1169 UN2319 UN1170 UN2541 UN1173 UN2924 UN1197 UN3271 UN1213 UN3272 UN1266	Nail polish, hand sanitizer, perfumes, essential oil, acetone, adhesives
9	-	Miscellaneous dangerous substance		UN3481 UN3091	Products shipped with or containing lithium-ion batteries with a Watt-hour (Wh) below 100Wh Products such as cameras, mobile phones, electric toothbrushes, etc.

What is required to become a Dangerous Goods shipper?

To begin shipping the Permissible Dangerous Goods listed above with Amazon, you must (1) accept our Terms and Conditions and Service Guide, which include Dangerous Goods requirements, and (2) declare the UN numbers that you plan to ship. To do this, sign in to your Shipper Central account:

1. Navigate to the **"settings"** page and select the "operations" icon.
2. Under **"operations"** select **"dangerous goods."**
3. Click "edit" on the "declare dangerous goods" line.
4. Now, select the UN numbers you plan to ship with Amazon and select "next."
5. Review and accept the terms and conditions by clicking the "I agree to ship dangerous goods" according to the requirements detailed in the Appendix to the Terms and Conditions" check box and click "save." You are now approved to ship dangerous goods with the UN numbers you declared.
6. Additionally, you must add a point of contact who can provide Amazon with Safety Data Sheets (SDS) and Battery Test Sheets (BTS) immediately upon request.

Dangerous Goods and your responsibility as a shipper

You must ensure that all of your Shipments containing Dangerous Goods comply with all applicable laws and regulations to ensure they are transported, packaged, handled and labeled safely and correctly. Failure to comply may lead to health and safety risks, and other consequences. Failure to comply may also lead to account suspension or deactivation. In order to ship Dangerous Goods via Amazon, you must:

- You are required to declare your Dangerous Goods shipments when purchasing a label. This includes providing Dangerous Goods attributes for the shipment.
- You are required to print shipping labels for Dangerous Goods on Shipper Central or via third party integrations that meets Amazon Shipping Dangerous Goods label purchase requirement. Visit this help page to learn how to print shipping labels for Dangerous Goods and how to declare their attributes.
- Stay informed about the current relevant laws and regulations regulating Dangerous Goods in accordance with:
 - Title 49 of the Code of Federal Regulations, Subtitle B (49 CFR Subtitle B)*
 - Mailing Standards of the United States Postal Service Publication 52 - Hazardous, Restricted and Perishable Mail (USPS Publication 52)*
 - Federal and local laws or regulations*
- Provide complete and correct information about your products in accordance with The Amazon Shipping Terms and Conditions and Amazon Service Guide.
- Provide complete, correct and up-to-date Safety Data Sheets (SDS) and Battery Test Summary (BTS) immediately upon request.
- Ensure all Dangerous Goods are packaged in strong outer packaging, arranged to prevent shifting of the products within the shipment.
- **DO NOT** ship products in manufacturer's own packaging, known as Ships In Own Container (SIOC).
- Ensure shipment's maximum gross weight is not exceeded in accordance with 49 CFR Subtitle B and USPS Publication 52 (Class 2, Class 3, Class 9).
- Pack and label all Permissible Dangerous Goods in accordance with 49 CFR Subtitle B and USPS Publication 52.
- Follow the Limited Quantities packing requirements in 49 CFR Subtitle B and in the USPS Publication 52. Please see below for further information on Limited Quantities.

** The list of laws mentioned above is provided for your convenience only. Please consult your legal advisors for an exhaustive list of laws applicable to the transport, packaging, handling and labeling of your products.*

Important: When shipments are tendered to Amazon Shipping for shipment, you represent and warrant that your shipments comply with all applicable laws and regulations, and the Amazon Terms and Conditions, and that the information you have provided about the shipment is complete and up-to-date. Providing incorrect or incomplete information may lead to account suspension or deactivation. At our discretion, Shipments that are identified as prohibited Dangerous Goods upon receipt may be disposed of at your expense.

Batteries and products shipped with batteries

Types of lithium battery

The 2 main forms of lithium battery are described here:

- **Lithium-ion batteries** Lithium-ion batteries (Li-ion or LIB) have lithium compounds as the electrode material and are rechargeable. Li-ion batteries are widely used in portable electronic products such as mobiles, laptops, tablets, MP3 players and cameras.
- **Lithium metal batteries** Lithium metal batteries have lithium metal as an anode and are generally not rechargeable. They come in different shapes and forms, including the flat, round batteries used in watches. They are also commonly used in products such as calculators or flashlights.

How do I know if my product contains a battery?

Products containing lithium-ion or lithium metal batteries do not have a specific sticker or symbol allowing you to recognize them. However, you can easily recognize them by either looking at the battery itself (the battery composition is generally printed on the battery), or by reading the manufacturer's documentation (e.g. product manual). You can also contact the supplier to know more about your product.

Regulation of batteries

Lithium and alkaline batteries are always subject to specific transport requirements, without exception. Regulation is even stricter for lithium-ion batteries because their stored energy content can be very high. For this reason, the eligibility status for shipping with Amazon for lithium-ion and lithium metal batteries depends upon energy content in Watt-hours (Wh):

Class	Name	Examples
Lithium-ion battery	$0\text{Wh} \leq 100\text{Wh}$	Approved
	$\geq 101\text{Wh}$	Rejected
Lithium metal battery	$0\text{Wh} \leq 20\text{Wh}$	Approved
	$\geq 21\text{Wh}$	Rejected

The Watt-hour information is generally printed on the battery itself, on its packaging or in the manufacturer's technical documentation.

In cases where the Watt-hour is not printed, it can be calculated from the battery voltage (V) and Amp-hour (Ah) rating, also commonly printed on the battery, the outer packaging or in the manufacturer's documentation. The voltage to be used when calculating Watt-hours is the nominal voltage of the battery (commonly printed as simply "voltage"), not to be confused with the "input voltage", "output voltage" or "max charging voltage".

United Nations Test Summary requirement

As of 1st January, 2020, UN 38.3 requires lithium battery manufacturers and distributors to provide a document known as a Lithium Battery Test Summary upon request. This requirement will be enforced via country-specific regulations.

When manufactured, all lithium batteries and lithium battery products must undergo a series of standardized tests to confirm their safety for use and transport. This new documentation summarizes those testing requirements. For more information, download the [Lithium Battery Guidance](#) from the International Air Transport Association (English only).

What are the requirements for shipping battery products?

To ship lithium battery products with Amazon Shipping, shippers must meet the following requirements:

- Ship **only** lithium batteries contained in equipment and with the equipment.
- **DO NOT** ship stand-alone lithium batteries.
- The Lithium content may not exceed 5g for lithium metal cell and 25g for a lithium metal battery.
- UN Manual of Tests and Criteria, Part III, section 38.
- Cells and batteries must be shipped in strong outer packaging and protected against short circuit.
- **DO NOT** ship damaged or recalled batteries or cells.
- The corresponding battery mark must be applied to every shipment containing lithium batteries.
- Batteries shall be packed in strong outer packaging and the products arranged to prevent shifting within the shipment.
- **DO NOT** ship products in manufacturer's own packaging, known as Ships In Own Container (SIOC).
- Battery labels are required to have the red border. Black and white borders are **NOT** permitted.

Packages must state the below applicable warning:

- i. PRIMARY LITHIUM BATTERIES - FORBIDDEN FOR TRANSPORT ABOARD PASSENGER
- ii. AIRCRAFT LITHIUM METAL BATTERIES - FORBIDDEN FOR TRANSPORT ABOARD PASSENGER
- iii. AIRCRAFT LITHIUM ION BATTERIES - FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT
- iv. LITHIUM BATTERIES - FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT

Limited Quantity (LQ) products

How do I know if my product can be shipped under the Limited Quantity (LQ) provisions?

Products that may be shipped as LQ may be identified by reading Section 14 – Transportation Information of the manufacturer's Safety Data Sheet (SDS). Not all Dangerous Goods may be shipped under the LQ provisions. For some Classes or Divisions of Dangerous Goods, the LQ specified will be '0', which means that it cannot be transported under the LQ provisions. Other Classes or Divisions of Dangerous Goods are restricted to less severe packing groups.

What are the requirements for shipping Limited Quantity (LQ) products?

Permitted LQ Dangerous Goods are limited to Class 2 (division 2.1 and 2.2) and Class 3, which must meet the following requirements:

- Volume per item must not exceed the LQ threshold stated in the 49 CFR Subtitle B and USPS Publication 52.
- Each shipment must not exceed the 66 lb maximum weight limit for LQ as per 49 CFR Subtitle B. For USPS Publication 52, the restrictions vary across the different classes of Dangerous Goods ([Class 2](#), [Class 3](#), [Class 9](#))
- Inner packaging must be packed, secured or cushioned to prevent breakage or leakage of their contents into the outer packaging.
- **DO NOT** ship products in manufacturer's own packaging, known as Ships In Own Container (SIOC).
- The LQ mark (diamond shaped) must be applied. It must be at least 100mm x 100mm (4" x 4"). In cases where it doesn't fit on the package, it may be reduced to no more than 50mm x 50mm (2" x 2"). For liquids, orientation arrows may also be needed.
- LQ products shall be packed in strong outer packaging and the products arranged to prevent shifting within the shipment.

Zip code restrictions

Amazon Shipping offers ground shipping to most of the contiguous United States. We do not currently offer delivery to Alaska, Hawai'i, and Puerto Rico, and certain zip codes within California, Michigan, Ohio and Washington.

First 3 digits of zip code	Location	State
006	San Juan	Puerto Rico
007	San Juan	Puerto Rico
009	Orocovis	Puerto Rico
434	Kellys Island	Ohio
497	Mackinac Island	Michigan
907	Los Angeles	California
950	San Juan Bautista	California
967	Honolulu	Hawai'i
968	Honolulu	Hawai'i
995	Anchorage	Alaska
996	Holy Cross	Alaska
997	Fairbanks	Alaska
998	Juneau	Alaska
999	Ketchikan	Alaska

Zip code	Location	Sate
98250, 98280, 98245, 98261, 98243, 98279, 98297, 98286, 98222	San Juan Island	Washington