

Dangerous Goods Shipping Guide



This guide describes the categories of Dangerous Goods that may be shipped using our shipper services (i.e. Permissible Dangerous Goods, as defined in the Amazon Shipping Policies), and your responsibilities as a shipper of Dangerous Goods. Only shippers who comply with all applicable requirements are permitted to ship Permissible Dangerous Goods. Dangerous Goods may only be shipped via ground and within Italy.

What are Dangerous Goods?

Dangerous Goods are articles (such as lithium batteries) and substances (such as flammable, toxic or corrosive materials) capable of posing a hazard to health, safety, property or the environment and which are listed in the various international Dangerous Goods transport requirements.

These products may cause damage in the event of spill, release or thermal runaway, and are usually classified with reference to their immediate risk. For this reason, Dangerous Goods shipments have additional transportation requirements compared to non-Dangerous Goods shipments, and may require marking and labeling of packages and special handling.

As set forth in the Amazon Shipping Policies, only a subset of Dangerous Goods (referred to as “permissible Dangerous Goods”) may be shipped with Amazon Shipping. All other Dangerous Goods are considered Prohibited Goods and may not be shipped. All Shipments containing permissible Dangerous Goods must be identified at the time of label purchase. You can find examples of products that may be regulated as Dangerous Goods at the end of this guide.

What Dangerous Goods can be approved for shipping with Amazon?

Permissible Dangerous Goods are defined in Appendix A of the Amazon Shipping Policies. In order to ship Permissible Dangerous Goods, your Shipment must comply with all applicable laws and regulations. Please refer to the current list of permissible UN numbers to determine whether your product is eligible to be approved for shipping. Dangerous Goods with UN numbers other than the ones listed below cannot be shipped with Amazon Shipping. As the shipper you are responsible for packaging, marking and labeling compliantly. Amazon Shipping requires the use of the Limited Quantity (LQ) diamond and the Lithium Battery Marks on all relevant shipments as shown below

Class	Division	Name	Transport label	Permissible UN numbers	Examples
2	2.1	Flammable gases		UN1950	Hair sprays, deodorant aerosols, dry shampoo, foaming shower gel, paint aerosol
	2.2	Non-flammable, non-toxic gases		UN1950 UN1956 UN2037	Shaving gel aerosol
3	-	Flammable liquids		UN1090 UN1120 UN1123 UN1130 UN1170 UN1173 UN1197 UN1213 UN1263 UN1266 UN1272 UN1993 UN2046 UN2052 UN2319 UN2541 UN3271 UN3272	Hand sanitiser, perfumes, essential oil, acetone, adhesives, nail polish
9	-	Miscellaneous Dangerous Goods		UN3481 UN3091	Products packed with or containing: Lithium ion cells with a Watt-hour (Wh); rating not exceeding 20Wh; Lithium ion batteries with a Watt-hour (Wh) rating not exceeding 100Wh; Lithium metal cells with a lithium metal content not exceeding 1g; Lithium metal batteries with a lithium metal content not exceeding 2g. Products such as laptops, tablets, cameras, mobile phones, electric toothbrushes

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 Shipping Policies, 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 Shipping Policies" 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 for lithium batteries the test summary as specified in the UN Manual of Tests and Criteria, Part III, sub-section 38.3, paragraph 38.3.5.

Dangerous Goods and your responsibilities 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:

- Stay informed about the current relevant laws and regulations regulating Dangerous Goods in accordance with:
 - [Agreement concerning the International Carriage of Dangerous Goods by Road \(ADR\)](#)
 - [Regulations \(EC\) No 1272/2008 on classification, labelling and packaging of substances and mixtures \(CLP\)*](#)
 - [Globally Harmonized System of Classification and Labelling \(GHS\)*](#)
 - [Regulation \(EC\) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals \(REACH\)*](#)
- Any country-specific and local laws or regulations.
- Provide complete and correct information about your products in accordance with The Amazon Shipping Terms and Conditions and Amazon Shipping Policies.
- Provide complete, correct and up-to-date Safety Data Sheets (SDS) and lithium battery test summaries as specified in the UN Manual of Tests and Criteria, Part III, sub-section 38.3, paragraph 38.3.5.

- Ensure all Dangerous Goods are packaged in strong rigid outer packaging (e.g., corrugate box), 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 ADR.
- In addition to general compliance with all applicable ADR provisions, make sure to pack and mark packages containing equipment packed with or containing small lithium-ion (UN3481) and lithium metal (UN3091) cells and batteries in compliance with all requirements of Special Provision 188 of the ADR. Please see below for further information on batteries
- In addition to general compliance with all applicable ADR provisions, ensure to pack and mark Limited Quantity products in accordance with Chapter 3.4 of the ADR. 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 Shipping Policies 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 two main forms of lithium battery are described here:

- **Lithium-ion batteries (including lithium ion polymer)**

Lithium-ion batteries 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 recognise them. However, you can recognise 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	Energy content in Watt-hours	Amazon Shipping approved or rejected?
Lithium-ion battery	0Wh≤100Wh	APPROVED
	>101Wh	REJECTED
Lithium metal battery	0Wh≤20Wh	APPROVED
	>20WH	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, the UN Manual of Tests and Criteria, Part III, sub-section 38.3 requires manufacturers and subsequent distributors of lithium cells and batteries manufactured after 30 June 2003 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 [Lithium Battery Guidance](#) from the International Air Transport Association (English only).

What are the requirements for shipping battery products?

- Ship **only** lithium batteries contained in equipment or packed with the equipment.
- **DO NOT** ship stand-alone lithium batteries.
- Under ADR Special Provision 188, gross weight of a package containing lithium batteries is limited to 30 kg.
- UN Manual of Tests and Criteria, Part III, section 38.
- Cells and batteries must be shipped in strong rigid outer packaging (e.g., corrugate box) 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 rigid outer packaging (e.g., corrugate box) 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.

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

- 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?

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 Limited Quantity products are limited to Class 2 (division 2.1 and 2.2) and Class 3, of the UN numbers listed previously, and which shall meet the following:

- Volume per item must not exceed the LQ threshold stated in the Dangerous Goods List in Chapter 3.2 of the ADR in accordance with the allowed UN ID LQ limit (column 7a).
- Each shipment must not exceed the 30kg maximum weight limit.
- 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. In cases where it doesn't fit on the package, it may be reduced to no more than 50mm x 50mm. For liquids, orientation arrows may also be needed.
- LQ products shall be packed in strong rigid outer packaging (e.g., corrugate box) and the products arranged to prevent shifting within the shipment.

Postcode restrictions

Postal code restrictions apply only to shipments that contain Dangerous Goods. Shipments that do not contain Dangerous Goods are not subject to these restrictions and may deliver to all postal codes, including those listed below, provided the shipment is declared as non-Dangerous Goods during label purchase.

To enable this, you must declare whether each shipment contains Dangerous Goods at both package level and item level during label purchase. Both levels must be explicitly declared; together they inform whether the shipment is subject to postal code restrictions

Shipment type	What to Declare	Result
Non-Dangerous Goods	"is_hazmat": false at both package level and item level	✅ Not subject to Dangerous Goods postcode restrictions
Dangerous Goods to non-restricted areas	"is_hazmat": true at both package level and item level + all required Dangerous Goods attributes per item (label purchase rejected if missing)	✅ Allowed
Dangerous Goods to restricted areas	Any declaration	❌ Blocked (safety restriction)

Important: Incorrectly declaring a shipment containing Dangerous Goods as non-Dangerous Goods is a compliance violation and may result in account suspension or deactivation.

Dangerous Goods shipments cannot be delivered to the below restricted postal code areas. Please reach out to your integration partner and account manager on how to restrict these areas.

For details on how to integrate this declaration, refer to the [API integration guide](#).

Region	Province	Zip codes
Gulf of Naples Islands	Anacapri	80071
	Capri	80073 - 80076
	Ischia	80070 – 80074 – 80075 - 80077
	Procida	80079
Pontine Islands	Ponza	04027
	Ventotene	04031
Sardegna	Cagliari	09012 - 09069, 09121 - 09134
	Nuoro	08010 - 08100
	Oristano	09070 - 09170
	Sassari	07010 - 07100
	Sud Sardegna	09010 - 09066
Sicily	Agrigento	92010 - 92100
	Caltanissetta	93010 - 93100
	Catania	95010 - 95058, 95121 - 95131
	Enna	94010 - 94100
	Messina	98020 - 98079, 98121 - 98168
	Palermo	90010 - 90088, 90121 - 90151
	Ragusa	97010 - 97100
	Syracuse	96010 - 96100
	Trapani	91010 - 91100
Tremiti Islands	San domino / San Nicola di tremiti	71051
Tuscan Islands	Arcipelago Toscano	58012
	Capraia	57032
	Elba	57030 – 57031 – 57036 – 57038 - 57039
	Elba / Pianosa	57034
	Elba / Montecristo	57037