

-Official Emblem-

Notification of The Civil Aviation Authority of Thailand
Re.: Prescribing Classification and Lists of Dangerous Goods Which May Endanger
the Safety of Aircraft or Persons on Board Aircraft B.E. 2562 (2019) as amended

By virtue of Section 15/28 (1) of the Air Navigation Act B.E. 2497 (1954) and amended by the Air Navigation Act (No.14) B.E. 2562 (2019), the Director General of the Civil Aviation Authority of Thailand, therefore issuing notification to prescribe classification and lists of dangerous goods which may endanger the safety of aircraft or persons on board aircraft, as follows;

Article 1. Dangerous goods classes which may endanger the safety of aircraft or persons on board aircraft as follows:

(1) Class 1 : Explosives can be categorized into divisions as follows:

Division 1.1 Substances and articles which have a mass explosion hazard;

Division 1.2 Substances and articles which have a projection hazard but not a mass explosion hazard;

Division 1.3 Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard;

Division 1.4 Substances and articles which present no significant hazard;

Division 1.5 Very insensitive substances which have a mass explosion hazard

Division 1.6 Extremely insensitive articles which do not have a mass explosion hazard

(2) Class 2 : Gases can be categorized into divisions as follows:

Division 2.1 Flammable gases;

Division 2.2 Non-flammable, non-toxic gases;

Division 2.3 Toxic gases

(3) Class 3 : Flammable Liquids

(4) Class 4 : Flammable Solids; substances liable to spontaneous combustion, substances which, on contact with water, emit flammable gases, can be categorized into divisions as follows:

Division 4.1 Flammable Solids, self-reactive and related substances and solid desensitized explosives and polymerizing substances;

Division 4.2 Substances liable to spontaneous combustion;

Division 4.3 Substances which, in contact with water, emit flammable gases

(5) Class 5 : Oxidizing Substances and Organic Peroxides can be categorized into divisions as follows:

Division 5.1 Oxidizing Substances;

Division 5.2 Organic Peroxides

(6) Class 6 : Toxic and Infectious Substances can be categorized into divisions as follows:

Division 6.1 Toxic Substances;

Division 6.2 Infectious Substances

(7) Class 7 : Radioactive Material

(8) Class 8 : Corrosive Substances

(9) Class 9 : Miscellaneous dangerous substances and articles, including environmentally hazardous substances which, during air transport, may endanger the safety of an aircraft and persons on board an aircraft, that is not classified under (1) – (8) and to be in accordance with notifications prescribed by the Director General.

Article 2. The lists of dangerous goods that may endanger the safety of aircraft or persons on board an aircraft under Article 1 shall be complied with Dangerous Goods List that prescribed in Technical Instructions for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that in force at the time of transport.

Article 3. Dangerous goods classes under Article (1) that carried on board an aircraft to the following, are excepted from being considered as dangerous goods that may endanger the safety of aircraft or persons on board an aircraft:

(1) substances and articles that carried on board an aircraft in accordance with the airworthiness requirements and operating regulations, or other requirements prescribed by the Director General;

(2)¹ aerosols, alcoholic beverages, perfumes, colognes, liquefied gas lighters, and portable electronic devices containing lithium metal or lithium ion cells or batteries provided

¹ Provision of (2) was amended by Notification of the Civil Aviation Authority of Thailand Re.: Prescribing Classification and Lists of Dangerous Goods Which May Endanger the Safety of Aircraft or Persons on Board Aircraft (No.3) B.E. 2569 (2026).

that they meet the conditions prescribed in Section 3/1, carried on board an aircraft by an air operator for use or sale on the aircraft during a flight or series of flight, but excluding non-refillable gas lighters and those lighters liable to leak when exposed to reduced pressure. Such items shall be carried in accordance with the Technical Instructions for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization, as in force at the time of transport;

(3) dry ice that air operators carry on board an aircraft to use for in-flight food and beverage service;

(4)² electronic devices, such as Electronic Flight Bags, Personal Entertainment Devices, and Credit Card Readers containing lithium metal or lithium ion cells or batteries and spare lithium batteries for such devices or power banks carried on board an aircraft by an air operator for use on the aircraft during a flight or series of flight, provided that they meet the conditions prescribed in Section 3/1. Such items shall be in accordance with the Technical Instructions for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization, as in force at the time of transport. However, the air operator shall establish conditions relating to the carriage and use of such electronic devices, spare batteries and power banks in the Operations Manual or other appropriate manual to ensure that crew members and other personnel are able to perform their duties correctly;

(5) substances and articles that carried on board an aircraft by passengers or crew members for personal use as carry-on baggage or checked baggage in quantities or amounts specified in the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that is in force at the time of transport;

(6) substances and articles intended as replacement to the following:

(a) substances and articles intended for use as replacements of substances and articles under (1) or substances and articles under (1) that have been removed for replacement, shall be complied with the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that in force at the time of transport, or stowed in specific containers that designed for their transport, and provided such containers are capable of meeting at least the standards prescribed in the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that in force at the time of transport;

(b) substances and articles intended for use as replacements of substances and articles under (2) and (3) shall be complied with the Technical Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that in force at the time of transport;

(c) Battery-powered devices with installed or contained battery and spare batteries intended for use as replacements of devices under (4) shall be complied with the Technical

² Provision of (4) was amended by Notification of the Civil Aviation Authority of Thailand Re.: Prescribing Classification and Lists of Dangerous Goods Which May Endanger the Safety of Aircraft or Persons on Board Aircraft (No.3) B.E. 2569 (2026).

Instruction for the Safe Transport of Dangerous Goods by Air of the International Civil Aviation Organization that in force at the time of transport;

(7)³ alcohol-based hand sanitizers and alcohol-based cleaning products that carried on board an aircraft by the air operator for use on the aircraft during a flight or series of flight for the purposes of passengers and crew members hygiene.

Article 3/1.⁴ Lithium cells or batteries, including power banks, and equipment powered by lithium cells or batteries under Article 3 (2) and (4) shall be complied with the following conditions:

(1) spare lithium batteries and power banks shall be individually protected so as to prevent short circuits when not in use;

(2) measures shall be taken to prevent the portable electronic devices from unintentional activation; and

(3) lithium batteries shall:

(a) be of a type which meets the requirements of each test specified in the UN Manual of Tests and Criteria, Part III, subsection 38.3; and

(b) for lithium metal batteries, not exceed 2 grams (g) of lithium content and for lithium ion batteries, not exceed a Watt-hour rating of 100 Watt-hours (Wh).

Article 4. This Notification shall come into force starting from now onward.

Issued on 28 October B.E. 2562 (2019)

-Signature-

Chula Sukmanop

Director General

The Civil Aviation Authority of Thailand

³ Provision of (7) was amended by Notification of the Civil Aviation Authority of Thailand Re.: Prescribing Classification and Lists of Dangerous Goods Which May Endanger the Safety of Aircraft or Persons on Board Aircraft (No.2) B.E. 2564 (2021).

⁴ Article 3/1 was amended by Notification of the Civil Aviation Authority of Thailand Re.: Prescribing Classification and Lists of Dangerous Goods Which May Endanger the Safety of Aircraft or Persons on Board Aircraft (No.3) B.E. 2569 (2026).