## DANGEROUS GOODS ON AIRCRAFT

Many common items used everyday in the home or workplace may seem harmless, however, when transported by the air, they can be very dangerous. In flight, variations in temperature and pressure can cause items to leak, generate toxic fumes or start a fire.

If you are carrying any of these goods in your luggage or on your person, please declare them!

### Explosives

fireworks, flares, sparklers



### Flammable liquids & solids

fuel, paints, thinner, lighters, refills, matches, e-cigarettes



### Toxic substances

acids, poisons, bleach, drain cleaners, solvents



### Gases

camping gas, portable gas stove



### Weapons

firearms, ammunition, gun-powder, mace, tear gas, pepper spray



### Pressure containers

spray cans, scuba tanks, butane fuel, propane tanks, CO' cartridges



### **Batteries**

lithium metal batteries, lithium ion batteries, wet cell batteries



### Knives of any kind

knives, scissors, other sharp objects



### Other hazardous materials

dry ice, asbestos, adhesives



### Radioactive materials



### Magnetized materials



### Infectious substances



Failure to declare may be an offence and may result in prosecution



### **DANGEROUS GOODS – GENERAL**

- Explosives ammunitions, fireworks, flares etc
- Compressed gases (flammable, non-flammable, deeply refrigerated and poisonous) such as camping gas and aerosols
- Flammable liquids such as lighter fuels, paints and thinner
- Flammable solids such as matches and articles which are easily ignited such as firelighters
- Substances liable to spontaneous combustion
- Substances which on contact with water emit flammable gases
- Oxidising substances (such as bleaching powder and peroxides)
- Poisonous (toxic) and infectious substances such insecticides, weed killers and live virus materials
- Radioactive materials
- Corrosives such as mercury (which may be contained in thermometers) acids, alkalis and wet cell batteries
- Disabling devices such as mace, pepper spray, etc containing an irritant or incapacitating substance are prohibited on the person, in checked and carry-on baggage
- Briefcases and security type attaché cases with installed alarm devices; or incorporative lithium batteries and/or pyrotechnic material
- Electro shock weapons (e.g.Tasers) containing dangerous goods such as explosives, compressed gases, lithium batteries, etc.
- Personal medical oxygen devices that utilise liquid oxygen
- Magnetised materials and miscellaneous dangerous goods as listed in the IATA Dangerous Goods Regulations

**Note:** One small packet of safety matches or a cigarette lighter that does not contain unabsorbed liquid fuel, other than liquified gas, may be carried about your person. Strike anywhere matches and "Blue flame" or "Cigar" lighters are forbidden on all air transport.

### **DANGEROUS GOODS - MEDICINES AND TOILETRIES**

You may take non-radioactive medicinal items or toiletries (including aerosols) like hairsprays, perfumes, colognes and medicines containing alcohol, in limited quantities in your checked and hand baggage:

- Single articles must not weigh more than 0.5kg or 0.5 litres (1.1lb or 1pt).
- Combined articles must not weight more than 2.0 kg or 2.0 litres (4.4lbs or 2.0qt)
- Release valves on aerosols must be protected by a cap or other suitable means to prevent inadvertent release of the contents

**Note:** Some of the quantities stated above are further restricted by current security restrictions, if these items are carried as hand baggage.

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### DANGEROUS GOODS - MISCELLANEOUS ARTICLES

- Firearms and ammunition
- Carbon dioxide, solid (dry ice)
- Battery-powered wheelchairs (with non-spillable or lithium batteries) or other similar mobility aids for use by passengers whose mobility is restricted by either a disability, their health or age, or a temporary mobility problem.
- Heat producing articles
- Mercury barometer or thermometer
- Lithium-ion batteries with a Watt-hour rating exceeding 100Wh but not exceeding 160Wh for portable electronic devices
- Life jacket with non flammable gas cylinder(s) fitted
- Oxygen or air, gaseous, small cylinder(s) required for medical use not exceeding 5Kg gross weight
- Portable medical electronic devices (Automated External Defibrillators (AED), Nebulizer, Oxygen Concentrators (POC), Continuous Positive Airway Pressure machines (CPAP) containing lithium metal or lithium ion cells or batteries
- Avalanche rescue backpack
- Chemical agent monitoring equipment
- Insulated packages containing refrigerated liquid nitrogen
- Camping stoves and fuel containers that have contained a flammable liquid fuel.

If you carry some items listed below simply inform the Commander of the flight: Thank you very much for your co-operation



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# TABLE 2.3.A Provisions for Dangerous Goods Carried by Passengers or Crew (Subsection 2.3)

Dangerous goods must not be carried in or as passengers or crew, checked or carry-on baggage, except as otherwise provided below. Dangerous goods permitted in carry-on baggage are also permitted "on one's person", except where otherwise specified.

·		be inform		locatio
	ed in or as		baggage	
Permitted in or a	s checked	baggage		
The approval of the operator i				
Alcoholic beverages, when in retail packagings, containing more than 24% but not more than 70% alcohol by volume, in receptacles not exceeding 5 L, with a total net quantity per person of 5 L.	NO	YES	YES	NO
Ammunition (cartridges for weapons), securely packaged (in Div. 1.4S, UN 0012 or UN 0014 only), in quantities not exceeding 5 kg gross weight per person for that person's own use.  Allowances for more than one person must not be combined into one or more packages.	YES	YES	NO	NO
Avalanche rescue backpack, one (1) per person, containing a cartridge of compressed gas in Div. 2.2. May also be equipped with a pyrotechnic trigger mechanism containing no more than 200 mg net of Div. 1.4S. The backpack must be packed in such a manner that it cannot be accidentally activated. The airbags within the backpacks must be fitted with pressure relief valves.	YES	YES	YES	NC
Batteries, spare/loose, including lithium metal or lithium ion cells or batteries, for portable electronic devices must be carried in carry-on baggage only. Articles which have the primary purpose as a power source, e.g. power banks are considered as spare batteries. These batteries must be individually protected to prevent short circuits.	NO	NO	YES	NC
Camping stoves and fuel containers that have contained a flammable liquid fuel, with empty uel tank and/or fuel container (see 2.3.2.5 for details).	YES	YES	NO	NC
Chemical Agent Monitoring Equipment, when carried by staff members of the Organization for the Prohibition of Chemical Weapons on official travel (see 2.3.4.4).	YES	YES	YES	NC
Disabling devices such as mace, pepper spray, etc. containing an irritant or incapacitating substance are forbidden on the person, in checked and carry-on baggage.	FORBIDDEN			1
Ory ice (carbon dioxide, solid), in quantities not exceeding 2.5 kg per person when used to pack perishables not subject to these Regulations in checked or carry-on baggage, provided the paggage (package) permits the release of carbon dioxide gas. Checked baggage must be marked dry ice" or "carbon dioxide, solid" and with the net weight of dry ice or an indication that there is 2.5 kg or less dry ice.	YES	YES	YES	NO
e-cigarettes (including e-cigars, e-pipes, other personal vaporizers) containing batteries must be individually protected to prevent accidental activation.	NO	NO	YES	NO
Electro shock weapons (e.g. Tasers) containing dangerous goods such as explosives, compressed gases, lithium batteries, etc. are forbidden in carry-on baggage or checked baggage on the person.				
Fuel cells containing fuel, powering portable electronic devices (e.g. cameras, cellular phones, aptop computers and camcorders), see 2.3.5.10 for details.	NO	NO	YES	NO
Fuel cell cartridges, spare for portable electronic devices, see 2.3.5.10 for details.	NO	YES	YES	NO
Gas cartridges, small, non-flammable containing carbon dioxide or other suitable gas in Division 2.2. Up to two (2) small cartridges fitted into a self-inflating safety device such as a life acket or vest. Not more than one (1) device per passenger and up to two (2) spare small cartridges per person, not more than four (4) cartridges up to 50 mL water capacity for other devices see 2.3.4.2).	YES	YES	YES	NO
Gas cylinders, non-flammable, non-toxic worn for the operation of mechanical limbs. Also, spare cylinders of a similar size if required to ensure an adequate supply for the duration of the ourney.	NO	YES	YES	NO
Hair curlers containing hydrocarbon gas, up to one (1) per passenger or crew-member, provided that the safety cover is securely fitted over the heating element. These hair curlers must not be used on board the aircraft at any time. Gas refills for such curlers are not permitted in checked or carry-on baggage.	NO NO	YES	YES	NO
<b>Heat producing articles</b> such as underwater torches (diving lamps) and soldering irons See 2.3.4.6 for details).	YES	YES	YES	NC
nsulated packagings containing refrigerated liquid nitrogen (dry shipper), fully absorbed in a porous material containing only non-dangerous goods.	NO	YES	YES	NO
nternal combustion or fuel cell engines, must meet A70 (see 2.3.5.15 for details).	NO	YES	NO	NO
_amps, energy efficient when in retail packaging intended for personal or home useithium Batteries: Security-type equipment containing lithium batteries (see 2.3.2.6 for	NO YES	YES YES	YES NO	NO NO



# TABLE 2.3.A Provisions for Dangerous Goods Carried by Passengers or Crew (Subsection 2.3) (continued)

The pilot-in-comma	and must	be inform	ed of the	location	
Permitted	d in or as	carry-on	baggage		
Permitted in or as	checked	baggage			
The approval of the operator is	required				
Lithium Batteries: Portable electronic devices containing lithium metal or lithium ion cells or batteries, including medical devices such as portable oxygen concentrators (POC) and consumer electronics such as cameras, mobile phones, laptops and tablets, when carried by passengers or crew for personal use (see 2.3.5.9). For lithium metal batteries the lithium metal content must not exceed 2 g and for lithium ion batteries the Watt-hour rating must not exceed 100 Wh.	NO	YES	YES	NO	
<b>Lithium batteries, spare/loose</b> with a Watt-hour rating exceeding 100 Wh but not exceeding 160 Wh for consumer electronic devices and PMED or with a lithium metal content exceeding 2 g but not exceeding 8 g for PMED only. Maximum of two spare batteries in carry-on baggage only. These batteries must be individually protected to prevent short circuits.	YES	NO	YES	NO	
<b>Lithium battery-powered electronic devices</b> . Lithium ion batteries for portable (including medical) electronic devices, a Wh rating exceeding 100 Wh but not exceeding 160 Wh. For portable medical electronic devices only, lithium metal batteries with a lithium metal content exceeding 2 g but not exceeding 8 g.	YES	YES	YES	NO	
Matches, safety (one small packet) or a small cigarette lighter that does not contain unabsorbed liquid fuel, other than liquefied gas, intended for use by an individual when carried on the person. Lighter fuel and lighter refills are not permitted on one's person or in checked or carry-on baggage.	NO		NE'S SON	NO	
Note: "Strike anywhere" matches, "Blue flame" or "Cigar" lighters are forbidden.					
Mobility Aids: Battery-powered wheelchairs or other similar mobility devices with non-spillable wet batteries or with batteries which comply with Special Provision A123 or A199, (see 2.3.2.2).	YES	YES	NO	NO	
<b>Mobility Aids:</b> Battery-powered wheelchairs or other similar mobility devices with <b>spillable batteries or with lithium batteries</b> (see 2.3.2.3 and 2.3.2.4 for details).	YES	YES	NO	YES	
<b>Mobility Aids:</b> Battery-powered mobility aids with <b>lithium ion batteries (collapsible)</b> , lithium-ion battery must be removed and carried in the cabin (see 2.3.2.4(d) for details).	YES	NO	YES	YES	
Non-radioactive medicinal or toiletry articles (including aerosols) such as hair sprays, perfumes, colognes and medicines containing alcohol; and	NO	YES	YES	NO	
Non-flammable, non-toxic aerosols in Division 2.2, with no subsidiary risk, for sporting or home use.	NO	YES	NO	NO	
The total net quantity of non-radioactive medicinal or toiletry articles and non-flammable, non-toxic aerosols in Division 2.2 must not exceed 2 kg or 2 L and the net quantity of each single article must not exceed 0.5 kg or 0.5 L. Release valves on aerosols must be protected by a cap or other suitable means to prevent inadvertent release of the contents.					
Oxygen or air, gaseous, cylinders required for medical use. The cylinder must not exceed 5 kg gross weight.	YES	YES	YES	YES	
Note: Liquid oxygen systems are forbidden for transport.					
Permeation devices, must meet A41 (see 2.3.5.16 for details).	NO	YES	NO	NO	
Portable electronic devices containing non-spillable batteries, batteries must meet A67 and must be 12 V or less and 100 Wh or less. A maximum of 2 spare batteries may be carried (see 2.3.5.13 for details).	NO	YES	YES	NO	
Radioisotopic cardiac pacemakers or other devices, including those powered by lithium batteries, implanted into a person or fitted externally, or radiopharmaceuticals contained within the body of a person as the result of medical treatment.	NO	ON C PER	NE'S SON	NO	
Security-type attaché cases, cash boxes, cash bags, etc. incorporating dangerous goods, such as lithium batteries and/or pyrotechnic material, except as provided in 2.3.2.6 are totally forbidden. See entry in 4.2–List of Dangerous Goods.	FORBIDDEN				
<b>Specimens, non-infectious</b> packed with small quantities of flammable liquid, must meet A180 (see 2.3.5.14 for details).	NO	YES	YES	NO	
<b>Thermometer, medical or clinical</b> , which contains mercury, one (1) per person for personal use, when in its protective case.	NO	YES	NO	NO	
<b>Thermometer or barometer, mercury filled</b> carried by a representative of a government weather bureau or similar official agency (see 2.3.3.1 for details).	YES	NO	YES	YES	

#### ■ Note:

The provisions of 2.3 and Table 2.3.A may be limited by State or operator variations. Passengers should check with their airline for the current provisions.