



Shipping Dangerous Goods

For ease of identification of dangerous goods, the international community has created a classification system. All dangerous goods are included in one of the nine primary classes. In some cases it has also been necessary to sub-divide some of the classes into divisions in order to adequately provide for the nature of the properties of the individual goods. There is a label for each class/division to categorize the nature of the hazard. These labels must be affixed to the outside of the package when it is offered for transport and must remain on the package while it is in transit. Examples of these are illustrated below:

Class 1 Explosives

explosive substances, explosive articles, pyrotechnic devices. Includes ammunition, fireworks, detonators, etc

Class 2 Gases

transported as either compressed, liquefied, refrigerated liquefied or gas in solution. Includes aerosols. This class has three divisions:

- Division 2.1 - flammable gases i.e. butane, propane
- Division 2.2 - non-flammable, non-toxic gases i.e. oxygen, liquid nitrogen, compressed air
- Division 2.3 - toxic gases i.e. chlorine, coal gas.

Class 3 Flammable liquids

includes liquids with a boiling point of 35 degrees C or less or a flash point of 60.5 degrees C or less. Examples are Petrol, Alcohol, etc.

Class 4 Flammable solids

substances liable to spontaneous combustion and substances which, in contact with water, emit flammable gases. Class 4 has 3 divisions:

- Division 4.1 - flammable solids such as hexamine solid fuel tablets for camping stoves; self-reactive substances and desensitized explosives.
- Division 4.2 - substances liable to spontaneous combustion under the normal conditions encountered in air transport - such as Phosphorus which burns by itself when exposed to air.
- Class 4.3 - substances which in contact with water emit flammable gases. i.e. "Dangerous when wet". Examples are sodium, zinc particles etc.

Class 5.1 Oxidising substances

substances which in themselves are not necessarily combustible, but which by yielding oxygen may cause or contribute to the combustion of other material. Example is generators which produce oxygen by chemical reaction.

Class 5.2 Organic peroxides

thermally unstable substance which may undergo heat generating, self accelerating decomposition - which may be explosive, rapid, sensitive to impact or friction or react dangerously with other substances. Example is Hydrogen Peroxide.

For further information please contact: +32 2 752 88 00 or email : sales@adelantex.com



Class 6.1 Toxic substances

liable to cause death or injury if swallowed, inhaled or absorbed through the skin. Examples are pesticides and poisons.

Class 6.2 Infectious substances

contain , or reasonably expected to contain, pathogens.

Class 7 Radioactive material

Class 8 Corrosives

substances which, in the event of leakage, can cause severe damage by chemical action when in contact with living tissue or materially damage other freight, containers or the aircraft. Examples are Mercury, Battery acids. etc.

Class 9 Miscellaneous

includes magnetic articles, which can have an impact on the aircraft's compass, Internal combustion engines, dry ice (solid carbon dioxide) etc.

<p>1 EXPLOSIVES</p> <hr/> <p>2.1 FLAMMABLE GASES</p> <hr/> <p>2.2 NON-FLAMMABLE NON-TOXIC GASES</p> <hr/> <p>2.2 OXIDIZING GAS <small>SUB RISK</small> 5.1 (NITROUS OXIDE & OXYGEN ONLY)</p> <hr/> <p>2.3 TOXIC GASES</p> <hr/> <p>3 FLAMMABLE LIQUIDS</p> <hr/> <p>4.1 FLAMMABLE SOLIDS (and other reactive substances)</p> <hr/> <p>4.2 SUBSTANCES LIABLE TO SPONTANEOUS COMBUSTION</p> <hr/> <p>4.3 SUBSTANCES THAT IN CONTACT WITH WATER EMIT FLAMMABLE GASES</p> <hr/> <p>5.1 OXIDIZING SUBSTANCES</p>	 	<p>5.2 ORGANIC PEROXIDES</p> <hr/> <p>6.1 TOXIC SUBSTANCES</p> <hr/> <p>6.2 INFECTIOUS SUBSTANCES</p> <hr/> <p>7 RADIOACTIVE MATERIAL (CATEGORY I)</p> <hr/> <p>7 RADIOACTIVE MATERIAL (CATEGORY II or III)</p> <hr/> <p>8 CORROSIVE SUBSTANCES</p> <hr/> <p>9 MISCELLANEOUS DANGEROUS GOODS AND ARTICLES</p> <hr/> <p>MIXED CLASS LABEL FOR ROAD AND RAIL TRANSPORT</p> <hr/> <p>SUBSIDIARY RISK LABEL TO BE USED WITH ELEVATED TEMPERATURE SUBSTANCES</p>	
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Adelantex provides

- Top priority: uncompromising safety standards!
- Extensively trained dedicated personnel is on hand throughout all stations as your competent contacts for the handling of dangerous goods.
- In the course of the order acceptance process, proactive checking of the required dangerous goods data ensures the shipment papers and accompanying documentation are fully compliant with the legal requirements. The data gathered is cross-checked and tested for plausibility online, using up-to-date ADR substance data.

Carefulness and Safety: topmost priority for Adelantex dangerous goods shipments

- Adelantex only accepts dangerous goods shipments which are duly and properly packed, labeled, and marked in full compliance with the legal requirements.
- Meticulous observance of loading combinations forbidden under ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road).
- Uncompromising safety standards at Adelantex which ensure dangerous goods shipments are sorted at separate processing units from overnight shipments.

What do we need from you, as the party requesting the shipment of dangerous goods, to ensure legally compliant and safe transport via the Adelantex express delivery system?

- Conclusion of a written transportation agreement
- Full consignor/consignee data
- Complete classification data
- Number and description of shipment items
- Amounts details per UN number
- Declarations according to special agreements or individual exceptions
- In the case of empties, the transport category of the last shipped substance

Notification by telephone is essential and imperative. Please ask about transportation restrictions at Adelantex.

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