









These labels are used to identify the hazard class or division of a dangerous good when transported by air, and are the primary means of identifying dangerous goods by ground staff and aircrew.












Some dangerous goods may have more than one hazardous characteristic. Each such hazard must be clearly marked and labelled on the packaging for air transportation. For some dangerous goods, ICAO Technical Instructions and the IATA Dangerous Goods Regulations also require handling labels and/or other markings to be affixed.


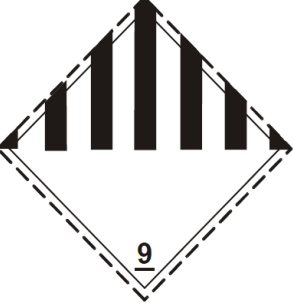

The different types of hazard labels, markings and handling labels are illustrated below.

Source: ICAO DOC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air




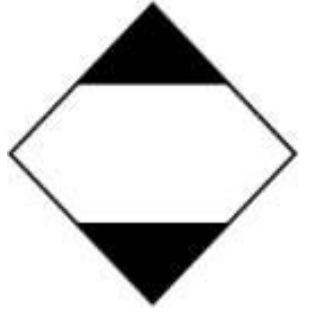
Hazard Labels


			
<p>Explosives Division 1.1 to 1.3</p> <p><i>Note.</i> — Packages bearing this label marked Division 1.1 or 1.2 are not normally permitted for transport by air.</p> <p>Symbol (exploding bomb): black Background: orange</p> <p>** Place for division and compatibility group</p>	<p>Explosive, Class 1, Division 1.4</p> <p>Background: orange Figures: black</p> <p>*** Place for compatibility group</p>	<p>Explosive, Class 1, Division 1.5</p> <p><i>Note.</i> — Packages bearing this label are not normally permitted for transport by air.</p> <p>Background: orange Figures: black</p> <p>*** Place for compatibility group</p>	<p>Explosive, Class 1, Division 1.6</p> <p><i>Note.</i> — Packages bearing this label are not normally permitted for transport by air.</p> <p>Background: orange Figures: black</p> <p>*** Place for compatibility group</p>
			
<p>Flammable gas, Class 2, Division 2.1</p> <p>Symbol (flame): black or white Background: red</p>	<p>Non-flammable, non-toxic gas, Class 2, Division 2.2</p> <p>Symbol (gas cylinder): black or white Background: green</p>	<p>Toxic gas, Class 2, Division 2.3</p> <p>Symbol (skull and crossbones): black Background: white</p>	<p>Flammable liquid, Class 3</p> <p>Symbol (flame): black or white Background: red</p>

			
<p>Flammable solid, Class 4, Division 4.1</p> <p>Symbol (flame): black Background: white with seven vertical red stripes</p>	<p>Substance liable to spontaneous combustion, Class 4, Division 4.2</p> <p>Symbol (flame): black Background: upper half white, lower half red</p>	<p>Substance which, in contact with water, emits flammable gas, Class 4, Division 4.3</p> <p><i>Dangerous if wet</i></p> <p>Symbol (flame): black or white Background: blue</p>	<p>Oxidizing substance, Class 5</p> <p>Symbol (flame over circle): black Background: yellow Figure "5.1" in bottom corner</p>
			
<p>Organic peroxide, Class 5, Division 5.2</p> <p>Symbol (flame): black or white Background: upper half red; lower half yellow Figure "5.2" in bottom corner</p>		<p>Toxic substance, Class 6, Division 6.1</p> <p>Symbol (skull and crossbones): black Background: white</p>	<p>Infectious substance, Class 6, Division 6.2</p> <p><i>The bottom part of the label should bear the inscription "INFECTIOUS SUBSTANCE — In case of damage or leakage immediately notify public health authority"</i></p> <p>Symbol (three crescents superimposed on a circle) and inscription: black Background: white Figure "6" in bottom corner</p>
			


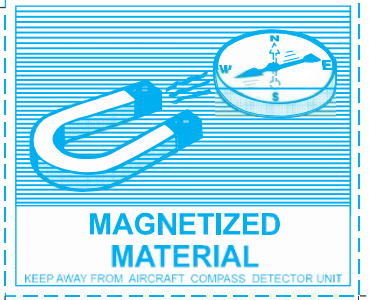


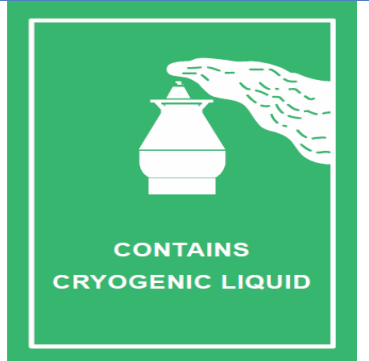
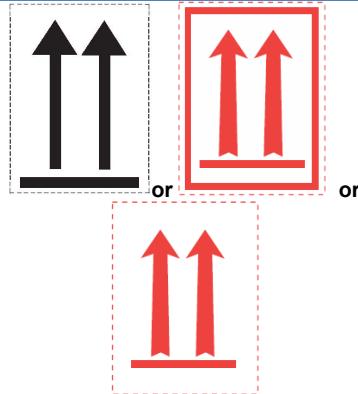
<p>Radioactive material, Class 7, Category I</p> <p>Radioactive material, Class 7, Category I — White Symbol (trefoil): black Background: white Figure "7" in bottom corner</p> <p>Text (mandatory), black in bottom half of label: "Radioactive"; "Contents . . ."; "Activity . . ."</p> <p>One (1) red vertical stripe must follow the word "Radioactive".</p>	<p>Radioactive material, Class 7, Category II</p> <p>Radioactive material, Class 7, Category II — Yellow Symbol (trefoil): black Background: top half yellow with white border, bottom half white Figure "7" in bottom corner</p> <p>Text (mandatory), black in bottom half of label: "Radioactive"; "Contents . . ."; "Activity . . ."; in a black outlined box — "Transport Index".</p> <p>Two (2) red vertical stripes must follow the word "Radioactive".</p>	<p>Radioactive material, Class 7, Category III</p> <p>Radioactive material, Class 7, Category III — Yellow Symbol (trefoil): black Background: top half yellow with white border, bottom half white Figure "7" in bottom corner</p> <p>Text (mandatory), black in bottom half of label: "Radioactive"; "Contents . . ."; "Activity . . ."; in a black outlined box — "Transport Index".</p> <p>Three (3) red vertical stripes must follow the word "Radioactive".</p>	<p>Radioactive material Fissile, Class 7</p>
			
<p>Corrosive, Class 8</p> <p>Symbol (liquids spilling from two glass vessels and attacking a hand and a metal); black Background: upper half white, lower half black with white border</p>	<p>Miscellaneous, Class 9</p> <p>Symbol (seven vertical stripes in upper half); black Background: white</p>	<p>Miscellaneous dangerous goods — lithium cells and batteries, Class 9</p> <p>Symbol (seven vertical stripes in upper half); battery group, one broken and emitting flame in lower half: black Background: white Figure "9" underlined in bottom corner</p>	

Markings

			
<p>Lithium battery mark</p> <p>* Place for UN number(s) ** Place for telephone number for additional information</p>	<p>Environmentally Hazardous Substance</p> <p>Symbol (fish and tree): black on white or suitable contrasting background</p>	<p>Limited quantities mark for Air Transport</p>	<p>Limited quantities mark for Surface Transport</p>

			
<p>Excepted quantities mark</p> <p>* Place for class or, when assigned, the division number(s)</p> <p>** Place for name of shipper or consignee, if not shown elsewhere on the package</p>			

Handling Labels

		
<p>Cargo aircraft only</p> <p>Colour: black on orange</p>	<p>Magnetized material</p> <p>Colour: blue on white</p>	<p>Keep Away from Heat</p> <p>Colour: red or black on a white background</p>
		
<p>Radioactive material, excepted package</p> <p><i>Note. — The words “The information for this package need not appear on the Notification to Captain (NOTOC)” are optional and may be included.</i></p> <p>Colour: red or black on a contrasting background</p>	<p>Cryogenic liquid label</p> <p><i>Note. — The words “Caution — may cause cold burn injuries if spilled or leaked” are optional and may be included.</i></p> <p>Symbol: white Background: green</p>	<p>Package orientation</p> <p>Two black or red arrows on white or suitable contrasting background</p> <p>The rectangular border is optional All features must be in approximate proportion to those shown</p>

In addition to taking reference from these marks and labels, shippers and freight forwarders should check the information on the relevant Safety Data Sheet to confirm the classification and handling of such dangerous goods when transported by air.