

## **Transport of Dangerous Goods – Safety Marks**





## ENVIRONMENTAL HEALTH AND SAFETY





CLASS 7 - Radioactive Materials	
Substances defined as Class 7, Radioactive Materials in the	RADIDACTIVE
Packaging and Transport of Nuclear Substances Regulations.	
Commonly used in nuclear fuel rods (example: radioactive	
material - LSA (yellow cake)).	
There are three categories which indicate the surface	
radiation level for a package with Category I being the lowest	RADIOACTIVE I
level and Category III the highest (labels only).	
Special label for fissile materials sategory	FISSILE
Special label for fissile materials category.	CRITICALITY SAFETY INDEX
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CLASS 8 – Corrosives	
A substance that causes destruction of skin or corrodes steel	
or non-clad aluminum. Commonly used in batteries and	
industrial cleaners (example: sulphuric acid and sodium hydroxide).	
CLASS 9 - Miscellaneous Products, Substances or Organisms	•
A substance that does not meet the criteria for inclusion in	
Classes 1 to 8. This includes genetically modified micro-	
organisms, marine pollutants, elevated temperature materials and environmentally hazardous substances. Used in dry cell	
batteries (example: ammonium chloride), polychlorinated	
biphenyls (PCB), asbestos brown, laboratory samples (not	
tested yet) or dry ice.	
There will also be a new Close Q label energifically for lithium	
There will also be a new Class 9 label specifically for lithium batteries. These new labels for all lithium battery shipments	
will be effective as of January 1, 2019 but early adopters are	
free to use them voluntarily as of January 1, 2017	
Danger Placard	
When more than 1 primary class placards are required on the	
same transport unit (mixed loads).	
Cannot replace other placards when:	DANGER
<ul><li>ERAP required</li><li>Placards requiring a UN number</li></ul>	
<ul> <li>Class 1 (explosives)</li> </ul>	
<ul> <li>Class 7 (radioactive substances)</li> </ul>	Ť
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Marine Pollutant	
A substance that is not a mixture or solution is a marine	<b>^</b>
pollutant if there is "P" or "PP" or ● in column 10 of Schedule	
1 opposite the shipping name of the substance or the	
substance is listed by name in column 1 of Appendix 1. For	$\langle \Upsilon_{\gamma} \rangle$
maritime transport only.	
Examples:	
Parathion (PP) (severe marine pollutant)	$\sim$
Chlorine (P) (marine pollutant)	
Liquefied petroleum gases (●) (possible pollutant)	
Limited Quantities (section 1.17)	
• Inner packages are less than limit set in column 6 of	
Schedule 1 (L or kg)	
• Gross weight less than 30 kg (overall does not exceed	
500 kg gross mass or else shipping document required)	
• No class 1 substances (explosives) allowed in this	
exemption	ICC CNT4
	$\checkmark$
Packages must be marked with the words "Limited Quantity"	
or "LTD QTY" or "Consumer Commodity" or have UN label	
shown below on it (until Dec. 2020).	
	$\langle \rangle \langle \mathbf{Y} \rangle$
Transport Canada also accepts the TDG Regulations to allow	
the use of the new international limited quantity marks (the	
one with the Y is for air shipments).	•
Excepted Quantities (section 1.17.1)	·/·····,
Small quantities of hazardous materials, typically samples,	
that may be shipped as an exemption to the TDG regulations	
and just be marked with an Excepted Quantities safety mark.	)
Not all dangerous goods are permitted to be shipped under	
this limitation.	
Elevated Temperature Sign	
Must be displayed for dangerous goods that are in transport	
in a large means of containment and that are:	
UN3256 ELEVATED TEMPERATURE LIQUID, FLAMMABLE	
N.O.S., Class 3	
<ul> <li>UN3257 ELEVATED TEMPERATURE LIQUID N.O.S., Class 9</li> </ul>	
<ul> <li>UN3258 ELEVATED TEMPERATURE SOLID N.O.S., Class 9</li> </ul>	
· ONJ230 ELEVATED TEIVIL ENATONE SOLID N.O.S., Class 5	
The elevated temperature sign must be displayed on each	
side and each end of the large means of containment next to	
each primary class placard for the dangerous goods or, if	
there is a subsidiary class placard, next to the subsidiary class	
placard.	