




Danatec Educational Services Ltd.

Transportation of Dangerous Goods

TDG Handbook – Summary of Changes

Danatec's TDG Handbook has been updated in accordance with the amendments made by Transport Canada to the Transportation of Dangerous Goods Regulations in February 2008 (Amendment 6).

Here is a summary of the changes:

Handbook	Description of Change	
page 15	Column 4 heading: Packing Group or Category description under Column 4: The packing group (I, II or III) or the category (A or B) ...	
page 17	compatibility group table, second column: second row: B, S last row: B, C, D, ...	
page 21	Toxic Gas is moved to page 20 and a new section is added on page 21: Anhydrous Ammonia There is a special label and placard for anhydrous ammonia, UN 1005. The product is used as a fertilizer, and is classed as 2.3 (8) – a toxic gas, with a subsidiary risk as corrosive.	
page 22	last line of Packing Group table, under “Flash Point”: 23°C to 60°C	
page 29-30	6.2 Infectious: Infectious substances are divided into two categories: A (the most hazardous) and B (less hazardous). Infectious substances in Category A are known or suspected to cause disease. The label and placard show a “biomedical” symbol. The label has specific emergency instructions. There are two shipping names for Category A: - Infectious substances, affecting humans - Infectious substances, affecting animals There is only one shipping name and UN number for Category B: - Biological substance, Category B, UN 3373 Small containers must display UN number 3373 in a diamond. new symbol is added beside the last paragraph:	
page 30	Radioactives: new symbol is added beside the last paragraph	
page 34	third bullet point is deleted: are intended for disposal (wastes), and are hazardous to the environment	
page 38	fourth bullet point under “Description of Dangerous Goods”: packing group, if applicable (I, II or III) - for Class 6.2, the category (A or B)	

Handbook	Description of Change
page 50	<p>placarding guideline #2 – second paragraph is changed to:</p> <p>If a large container is put in a closed trailer, then the trailer must also show:</p> <ul style="list-style-type: none"> - placards and UN number
page 51	<p>placarding guideline #4 –second paragraph is deleted:</p> <p>If a shipment has one UN number, is from one shipper and is over 4,000 kg it needs:</p> <p>–placards and UN number</p>
page 60	<p>page references in first paragraph:</p> <p>(See “Up to 150 Kilograms” on page 65, “Up to 500 Kilograms” on page 66, “Limited Quantities” on page 68 and “Samples” on page 70.)</p>
page 65	<p>UP TO 150 KILOGRAMS</p> <p>Dangerous goods are exempt from the regulations in quantities up to 150 kg per vehicle.</p> <p>Each package or container:</p> <ul style="list-style-type: none"> - must not exceed 30 kg (limit for gases is 46-litre cylinder capacity) - must be strong and secure enough that it will not spill or leak (container does not require a certification mark – unless it is a gas cylinder) <p>The exemption cannot be used for the items in the box on page 65 or for any explosives (Class 1) except:</p> <ul style="list-style-type: none"> - UN 0044, UN 0105, UN 0131, UN 0161, UN 0323, UN 0335 (if classified as a consumer firework), UN 0336, UN 0337, UN 0351, UN 0373, UN 0404, UN 0405, UN 0431, UN 0432, UN 0454, UN 0499 - UN 0012, UN 0014 and UN 0055 if the cartridges are for shotguns or, in the case of cartridges for rifles or pistols, the calibre is less than 12.7 mm (50 calibre)
page 67	<p>second paragraph:</p> <p>The exemption cannot be used for the items in the box below or for any explosives except:</p> <ul style="list-style-type: none"> - Class 1.4S - UN 0191, UN 0197, UN 0276, UN 0312, UN 0336, UN 0403, UN 0431, UN 0453, UN 0493 <p>a shaded box is added:</p> <p>The 150-kg exemption and the 500-kg exemption cannot be used for:</p> <ul style="list-style-type: none"> - Class 2.1 (Flammable Gases) in cylinders larger than 46-litre capacity - Class 2.3 (Toxic Gases) - Class 4, Packing Group I (Flammable Solids, Spontaneously Combustible, Dangerous When Wet) - Class 5.2 (Organic Peroxides) unless they are limited quantities - Class 6.1 (Toxic) Packing Group I, liquids - Class 6.2 (Infectious) - Class 7 (Radioactive) that requires licensing by the Canadian Nuclear Safety Commission - dangerous goods that require an ERAP, or a control or emergency temperature

Handbook	Description of Change
page 68	third bullet point is deleted: – must show the words “Limited Quantity” or “Ltd. Qty.”, or “Consumer Commodity”
page 69	“Limited Quantities” section continues: Each package or container: - must show the words “Limited Quantity” or “Ltd. Qty.”, or “Consumer Commodity” or - show the UN number (or numbers) in a diamond shape
page 70	“Samples” and “Safety or Operation of the Vehicle” moved here from page 69. “Personal Use” and “Medical Use” are deleted. “Agriculture” is revised and moved to page 71
page 71	<p>GASES IN CYLINDERS</p> <p>This is sometimes called the “welder’s exemption.” It is used by people who carry cylinders of compressed gas, including acetylene, compressed air, argon, carbon dioxide, nitrogen, oxygen and propane.</p> <p>The exemption allows up to 5 cylinders with a total gross weight of up to 500 kg without a shipping document. The driver is not required to have a training certificate.</p> <p>The cylinders must be properly labelled and the labels must be visible from outside the vehicle.</p> <p>AGRICULTURE</p> <p>There are several exemptions for farmers, including:</p> <ul style="list-style-type: none"> - up to 3,000 kg from a store to the farm - up to 1,500 kg for farm use - anhydrous ammonia used as a fertilizer - herbicides and pesticides in spray tanks <p>Some restrictions apply.</p>
page 72-74	content is shifted by one page and NOTES page is deleted
page 76	Reporting Quantities table: 1 Explosives: Any quantity that could pose a danger or more than 50 kg More than 10 kg net explosives quantity (except 1.4 or 1.6) that is not subject to special provision 85 or 86 More than 1,000 articles (except 1.4 or.6) that are subject to special provision 85 or 86 6.2 Infectious Any quantity
page 77	“PHONE CANUTEC” moved from page 76 first bullet point changed to: - If a reportable quantity of explosives (Class 1) or any amount of infectious substance (Class 6.2) is involved

Handbook	Description of Change
page 81	definitions added: category A and B – for infectious substances (Class 6.2), indicates the degree of hazard (Category A is the most hazardous) category I, II and III – for radioactive material (Class 7), indicates the degree of hazard (Category III is the most hazardous)
page 83	definition deleted: risk group – for infectious substances (Class 6.2), the degree of hazard, indicated by number 4, 3 or 2 (Risk Group 4 is the most hazardous)
page 85	Class 6 – new symbol for infectious substances is added Class 7 – new symbol is added
page 86	fourth row is deleted: More than 4,000 kg of one UN number from one shipper text in brackets in last row is deleted: (However, if large container is placed in closed trailer – truck requires placards, but no UN number)
page 87	first line of text in Class 1 (Explosives) table: Any division*, more than 10 kg YES <i>NO</i> last line of text in last column of Class 2 (Gases) table: UN number for most dangerous gas (if required by General Rules)
page 88	last bullet point under “Are the dangerous goods described by:” packing group, if applicable (I, II or III) - for Class 6.2: Category A or B

For more information about Amendment 6 or about Danatec’s products and services, please contact the Danatec representative in your region (listed at www.danatec.com) or call Danatec at 1-800-465-3366.