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TO: Transportation Contacts

FROM: T. G. Grumbles
DATE: December 12, 1985

Interoffice
Communication

SUBJ: TRANSPORT CANADA HAZARDOUS MATERIALS REGULATIONS

VISTA

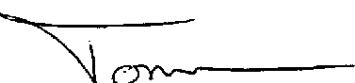
Transport Canada Regulations specifying placarding requirements and material of construction have been amended (attached). Any chemical requiring a placard must have a placard that is plasticized or otherwise water repellant. This requirement affects shipments through Canada as well as to Canadian destinations.

Canadian classifications are basically equivalent to DOT classifications except that they use the international scheme for flammability/combustibility. Anything with a flashpoint above 140°F is non-hazardous if it exhibits no other hazards.

For example, Muriatic Acid is a corrosive in both regulations while ALFOL 8 (flash above 140) is non-hazardous in Canada.

The plasticized placards cost \$2 - 2.50 each. A Canadian supplier, Top Tape and Label, has been recommended as a source. Their number is 416-335-4423.

Please be aware of this change and take steps to assure that any affected shipment to Canada or routed through Canada has the appropriate placard.



Thomas G. Grumbles

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Attachment

cc J. J. Hall
Bruce Larsen
F. Tasby
Safety Directors

Fred Thomas
R. Cooley
Bill Tuzinkiewicz

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TABLE

Column I Place of Origin or Destination	Column II Appropriate Authority
Alberta	Minister of the Environment of the Government of Alberta
British Columbia	Minister of the Environment of the Government of British Columbia
Manitoba	Minister of the Environment and Workplace Safety and Health of the Government of Manitoba
New Brunswick	Minister of the Environment of the Government of New Brunswick
Newfoundland	Minister of the Environment of the Government of Newfoundland
Northwest Territories	Commissioner of the Northwest Territories
Nova Scotia	Minister of the Environment of the Government of Nova Scotia
Ontario	Minister of the Environment of the Government of Ontario
Prince Edward Island	Minister of Community Affairs of the Government of Prince Edward Island
Québec	Ministre de l'environnement du gouvernement du Québec
Saskatchewan	Minister of the Environment of the Government of Saskatchewan
Yukon Territory	Minister of Renewable Resources of the Government of the Yukon Territory
Outside Canada	Minister of the Environment of the Government of Canada

TABLEAU

Colonne I Lieu d'origine ou de destination	Colonne II Autorité responsable
Alberta	Minister of the Environment (gouvernement de l'Alberta)
Colombie-Britannique	Minister of the Environment (gouvernement de la Colombie-Britannique)
Manitoba	Minister of Consumer and Corporate Affairs and the Environment (gouvernement du Manitoba)
Nouveau-Brunswick	Ministre de l'environnement (gouvernement du Nouveau-Brunswick)
Terre-Neuve	Minister of Consumer Affairs and the Environment (gouvernement de Terre-Neuve)
Territoires du Nord-Ouest	Commissaire des territoires du Nord-Ouest
Nouvelle-Écosse	Minister of the Environment (gouvernement de la Nouvelle-Écosse)
Ontario	Minister of the Environment (gouvernement de l'Ontario)
Île-du-Prince-Édouard	Minister of Community Affairs (gouvernement de l'Île-du-Prince-Édouard)
Québec	Ministre de l'environnement (gouvernement du Québec)
Saskatchewan	Minister of the Environment (gouvernement de la Saskatchewan)
Yukon	Ministre des ressources renouvelables (gouvernement du Yukon)
Hors du Canada	Ministre de l'environnement (gouvernement du Canada)

PART V

SAFETY MARKS

Application

5.1 Unless otherwise provided in Schedule III or in Part II and subject to sections 5.2, 5.3 and 5.4, no person shall handle, offer for transport or transport dangerous goods unless the safety marks for the dangerous goods are in compliance with this Part.

United States—Canada

5.2 Where a transborder consignment of dangerous goods, other than dangerous goods included in Class 1 or in Division 3 or 4 of Class 2,

(a) originate from a place in the United States and are transported through Canada to a destination outside Canada, or

(b) originate from a place in the United States and are transported in Canada to a destination in Canada, or

no person shall transport the dangerous goods unless the safety marks for the dangerous goods are in compliance with

(c) this Part; or

(d) the requirements of 49 CFR for safety marks.

PARTIE V

INDICATIONS DE DANGER

Application

5.1 Sauf disposition contraire de l'annexe III ou de la partie II et sous réserve des articles 5.2, 5.3 et 5.4, il est interdit de manutentionner, de demander de transporter ou de transporter des marchandises dangereuses, sauf si les indications de danger applicables à ces marchandises sont conformes à la présente partie.

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no subsidiary classification are to be transported in a tank, other than a tank car and a multi-unit tank car tank, in different compartments, the person in charge of the tank shall, before the dangerous goods are loaded, display the placards required by this Part for the primary classification of the dangerous goods, and

(a) where the primary classification is Class 3, the product identification number of the dangerous goods that have the lowest flash point on the compartment that will contain those dangerous goods; or

(b) where the primary classification is any Class, other than Class 3 the product identification number of the dangerous goods on each compartment that will contain the dangerous goods.

Dimensions of Placards

5.25 Subject to section 5.26, every placard that is required to be displayed pursuant to this Part shall

(a) have a plasticized and water repellant surface;

(b) be in the shape of a square standing on point with each side 250 mm or 275 mm; and

(c) have a solid line adjacent and parallel to the edges on the placard located not less than 12.5 mm inside the edges.

5.26 Where, pursuant to this Part, a placard is required to be displayed

(a) on a container, any side of which is less than 1 m, or

(b) on a container of less than 3 m³ that is loaded with dangerous goods in bulk,

the dimension of the placard specified in section 5.25 may be reduced if the side of the placard has a dimension of at least 100 mm.

Retro-reflectivity of Orange Panels and Placards

5.27 Every orange panel that indicates a product identification number and every placard that is required to be displayed pursuant to this Part for the transportation of dangerous goods included in

(a) Class 1,

(b) Class 2, if the dangerous goods are in bulk,

(c) Classes 3, 4, 5, 6 or 8, if the dangerous goods are in bulk and are included in Packing Group I or II, and

(d) Class 7, if the dangerous goods require a category III yellow label pursuant to the *Transport Packaging of Radioactive Materials Regulations*,

shall have a minimum retro-reflectivity rating of Level 2 as established in the CGSB Specification 62-GP-11M dated May 1978.

5.28 (1) Section 5.27 does not apply in respect of the transportation of dangerous goods referred to in paragraphs 5.27(b) and (c) if the person in charge of a large container or

diarie doivent être transportées dans des compartiments distincts d'une même citerne, autre qu'un wagon-citerne ou une citerne de wagon-citerne à éléments multiples, la personne responsable de la citerne y appose, avant le chargement des marchandises dangereuses, les plaques indiquant la classification primaire qui sont exigées en vertu de la présente partie et,

a) dans le cas où la classification primaire est la classe 3, le numéro d'identification du produit applicable aux marchandises dangereuses ayant le point d'éclair le plus bas, sur le compartiment destiné à celles-ci; ou

b) dans le cas où la classification primaire est une classe autre que la classe 3, le numéro d'identification du produit applicable aux marchandises dangereuses, sur chaque compartiment destiné à celles-ci.

Format des plaques

5.25 Sous réserve de l'article 5.26, toute plaque requise en vertu de la présente partie

a) est recouverte d'une matière plastique et à l'épreuve de l'eau;

b) a la forme d'un carré se dressant sur son point; et

c) a une ligne solide adjacente et parallèle aux bords de la plaque placée à l'intérieur de la plaque à une distance d'au moins 12,5 mm des bords.

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b) des marchandises dangereuses en vrac incluses dans la classe 2.

c) des marchandises dangereuses en vrac incluses dans les classes 3, 4, 5, 6 ou 8, et dans les groupes d'emballage I ou II, et

d) des marchandises dangereuses incluses dans la classe 7 et pour lesquelles l'étiquette jaune de la catégorie III est requise en vertu du *Règlement sur l'emballage pour les matières radioactives destinées au transport*,

doivent avoir un indice de rétro-réflexivité de niveau 2, tel qu'établi par la norme 62-GP-11M de l'ONGC, publiée en mai 1978.

5.28 (1) Le transport des marchandises dangereuses visées aux alinéas 5.27b) et c) est exclu de l'application de l'article 5.27, si la personne responsable du grand conteneur ou de

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46. All that portion of section 4.27 of the said Regulations following paragraph (b) thereof is revoked and the following substituted therefor:

"and, following delivery of the consignment, shall make the retained documents available to an inspector for inspection within 15 days after receiving a written request to that effect from the inspector."

47. The Table to Part IV of the said Regulations is amended by deleting the words "Commissioner of the Northwest Territories" in column II thereof and substituting the following therefor:

"Minister of Renewable Resources of the Government of the Northwest Territories"

48. Section 5.1 of the said Regulations is revoked and the following sections substituted therefor:

"5.1 Unless otherwise provided in Schedule III or in Part II and subject to sections 5.2, 5.2.1, 5.3 and 5.4, no person shall handle, offer for transport or transport dangerous goods unless the safety marks for the dangerous goods are in compliance with this Part.

5.1.1 For the purposes of this Part, "small container" includes a multi-unit tank car tank."

49. Paragraph 5.2 (d) of the said Regulations is revoked and the following substituted therefor:

"(d) the requirements of 49 CFR for safety marks and, on or after January 1, 1986, paragraph 5.25(1)(a) and section 5.27."

50. The said Regulations are further amended by adding thereto, immediately after section 5.2 thereof, the following section:

"5.2.1 (1) Where a transborder consignment of dangerous goods that are included in Class 1 or in Division 3 or 4 of Class 2

(a) originate from a place in the United States and are transported through Canada to a destination outside Canada, or

(b) originate from a place in the United States and are transported in Canada to a destination in Canada,

no person shall transport the dangerous goods unless the safety marks for the dangerous goods are in compliance with this Part.

(2) Notwithstanding subsection (1), where a transborder consignment of dangerous goods referred to in that subsection is offered for transport before October 31, 1985, the dangerous goods may be transported if the safety marks for the dangerous goods are in compliance with

(a) in the case of dangerous goods included in Class 1,

(i) the requirements of the *Regulations for the Transportation of Dangerous Commodities by Rail*, as amended to July 17, 1984, for labels, placards and marks, or

(ii) the requirements of the IMDG Code for labels and placards; or

46. Le passage de l'article 4.27 du même règlement qui suit l'alinéa b) est abrogé et remplacé par ce qui suit:

«et, après livraison de l'envoi et à la demande écrite d'un inspecteur, mettent ces documents à la disposition de ce dernier, dans les 15 jours suivant la réception de la demande.»

47. La colonne II du tableau de la partie IV du même règlement est modifiée par suppression de la mention «Commissaire des territoires du Nord-Ouest» et son remplacement par ce qui suit:

«Ministre des ressources renouvelables (gouvernement des territoires du Nord-Ouest)»

48. L'article 5.1 du même règlement est abrogé et remplacé par ce qui suit:

«5.1 Sauf disposition contraire de l'annexe III ou de la partie II et sous réserve des articles 5.2, 5.2.1, 5.3 et 5.4, il est interdit de manutentionner, de demander de transporter ou de transporter des marchandises dangereuses, sauf si les indications de danger applicables à ces marchandises sont conformes à la présente partie.

5.1.1 Pour l'application de la présente partie, «petit conteneur» s'entend d'une citerne de wagon-citerne à éléments

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(2) Nonobstant le paragraphe (1), dans le cas où la demande de transport d'un envoi transfrontalier de marchandises dangereuses visé à ce paragraphe s'effectue avant le 31 octobre 1985, l'envoi peut être transporté à condition que les indications de danger applicables aux marchandises dangereuses soient conformes

a) dans le cas de marchandises dangereuses incluses dans la classe 1, aux exigences

(i) du règlement intitulé *Regulations for the Transportation of Dangerous Commodities by Rail*, modifié le 17 juillet 1984, pour les étiquettes, les plaques et les indications, ou

- (e) phosgene (PIN 1076), or
(f) phosphine (PIN 2199)."

60. (1) Paragraphs 5.24(1)(a) and (b) of the said Regulations are revoked and the following substituted therefor:

- "(a) the product identification number of the dangerous goods on both sides of each compartment in which the dangerous goods are to be contained; and
(b) a placard that corresponds to the placard set out in Part II of Schedule V for the primary classification of the dangerous goods on both sides of each compartment in which the dangerous goods are to be contained and on the front and on the end of the tank."

(2) Paragraph 5.24(2)(a) of the said Regulations is revoked and the following substituted therefor:

- "(a) where the primary classification is Class 3, the product identification number of the dangerous goods that have the lowest flash-point; or"

→ 61. Section 5.25 of the said Regulations is revoked and the following substituted therefor:

"5.25 Subject to section 5.26, every placard that is required to be displayed pursuant to this Part

- (a) shall have a plasticized or an otherwise water repellent surface;
(b) shall be in the shape of a square standing on point with each side at least 250 mm; and
(c) shall not have a border unless
(i) the border is white,
(ii) where white does not contrast with the colour of the placard, there is a solid line, the same colour as the symbol, separating the border from the placard,
(iii) the width of the border does not exceed five per cent of the length of each side of the placard, and
(iv) the length of each side of the placard is 275 mm or greater."

→ 62. Paragraph 5.27 (a) of the said Regulations is revoked and the following substituted therefor:

- "(a) Class 1, except Division 4,"

63. All that portion of paragraph 5.28(1)(c) of the said Regulations preceding subparagraph (i) thereof is revoked and the following substituted therefor:

- "(c) vertically at each end of each of the longest sides of the large container or transport unit"

64. Section 5.30 of the said Regulations is revoked and the following substituted therefor:

- "5.30 Where dangerous goods are to be transported on a vehicle that is a trailer and the vehicle is coupled to another trailer, to a truck or to a truck tractor, and the orange panel indicating the product identification number and the placard required by this Part for the transportation of the dangerous goods are located on an end of the vehicle that is not visible, the person in charge of the vehicle may move the panel and the placard to the front of the leading vehicle, or to the rear

- e) de phosgène (NIP 1076), ou
f) de phosphine (NIP 2199)."

60. (1) Les alinéas 5.24(1)a) et b) du même règlement sont abrogés et remplacés par ce qui suit:

- a) le numéro d'identification du produit applicable aux marchandises, sur les deux côtés de chaque compartiment destiné à celles-ci; et
b) sur les deux côtés de chaque compartiment destiné à ces marchandises, ainsi qu'à l'avant et à l'arrière de la citerne, celle des plaques illustrées à la partie II de l'annexe V qui correspond à la classification primaire des marchandises dangereuses."

(2) L'alinéa 5.24(2)a) du même règlement est abrogé et remplacé par ce qui suit:

- a) dans le cas où la classification primaire est la classe 3, le numéro d'identification du produit applicable aux marchandises dangereuses ayant le point d'éclair le plus bas; ou"

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- a) des marchandises dangereuses incluses dans la classe 1, sauf la division 4."

63. Le passage de l'alinéa 5.28(1)c) du même règlement qui précède le sous-alinéa (i) est abrogé et remplacé par ce qui suit:

- c) qui est placée à chaque extrémité de chacun des côtés les plus longs du grand conteneur ou de l'unité de transport."

64. L'article 5.30 du même règlement est abrogé et remplacé par ce qui suit:

- 5.30 Lorsque les marchandises dangereuses doivent être transportées à bord d'un véhicule qui est une remorque attelée à une autre remorque, à un camion ou à un tracteur, et que la plaque et le panneau orange indiquant le numéro d'identification du produit qui sont requis en vertu de la présente partie pour le transport de ces marchandises sont apposés à l'extrémité du véhicule de telle façon qu'ils ne sont pas visibles, la personne responsable du véhicule peut les pla-