

SCHEDULE 8

REQUIREMENTS FOR RADIOACTIVE MATERIALS AND FOR PACKAGINGS AND PACKAGES

PART VII

REQUIREMENTS FOR AN INDUSTRIAL PACKAGE TYPE 2 (IP-2)

1. An industrial package Type 2 (IP-2) must be designed to meet the requirements of Part VI of this Schedule and, when subjected to the tests specified in paragraphs 10 and 11 of Part IV of Schedule 9, it must prevent—

- (a) the loss or dispersal of the radioactive contents; and
- (b) the loss of shielding integrity which would result in more than a 20% increase in the radiation level at any external surface of the package; or alternatively paragraph 2.

2. An industrial package Type 2 (IP-2) must be designed—

- (a) to meet the requirements of Part VI of this Schedule and
- (b) to conform to the standards prescribed in chapter 6.1 of ADR, or other requirements at least equivalent to those standards, and
- (c) when subjected to the tests required for UN packing group I or II in chapter 6.1 of ADR, must prevent:
 - (i) the loss or dispersal of the radioactive contents; and
 - (ii) the loss of shielding integrity which would result in more than a 20% increase in the radiation level at any external surface of the package; or alternatively meet the requirements of paragraph 3, 4, 5 or 6.

3. A tank container may be used as an industrial package Type 2 (IP-2) provided that it is designed—

- (a) to meet the requirements of Part VI of this Schedule, and
- (b) to conform to the standards prescribed in the Chapter 6.8 of ADR, or other requirements at least equivalent to those standards, and is capable of withstanding a test pressure of 265kPa, and
- (c) so that any additional shielding which is provided is capable of withstanding the static and dynamic stresses resulting from handling and routine conditions of transport and of preventing a loss of shielding integrity which would result in more than a 20% increase in the radiation level at any external surface of the tank container.

4. A tank may be used as an industrial package Type 2 (IP-2) provided that it conforms to standards at least equivalent to those required in the case of tank containers by paragraph 3, but substitute the ADR reference in paragraph 3(b) for “Chapter 6.7 of ADR”, and it is limited to transporting LSA-I or LSA-II liquids or gases as prescribed in Table IV of Schedule 1.

5. A freight container may be used as an industrial package Type 2 (IP-2) provided that—

- (a) it is designed to meet the requirements of Part VI of this Schedule and
- (b) it is designed to conform to the requirements prescribed in the ISO freight containers document, and
- (c) the radioactive contents are restricted to solid materials, and
- (d) if it were subjected to the tests prescribed in ISO freight containers document and the accelerations occurring during routine conditions of transport, it would prevent—

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- (i) loss or dispersal of the radioactive contents; and
- (ii) loss of shielding integrity which would result in more than a 20% increase in the radiation level at any external surface of the freight container.

6. An intermediate bulk container may be used as an industrial package Type 2 (IP-2) provided that—

- (a) it is designed to meet the requirements of Part VI of this Schedule and
- (b) it is metal, and
- (c) it is designed to conform to the requirements prescribed Chapter 6.1 of ADR, and if it were subjected to the tests for UN Packing Group I or II prescribed in that document, but with the drop test conducted in the most damaging orientation, it would prevent—
 - (i) loss or dispersal of the radioactive contents; and
 - (ii) loss of shielding integrity which would result in more than a 20% increase in the radiation level at any external surface of the intermediate bulk container.