

SCHEDULE 16

Regulation 13

Contents limits for packages

Excepted packages

1. An excepted package containing radioactive material other than articles manufactured of natural uranium, depleted uranium, or natural thorium shall not contain activities greater than the following:

- (a) where the radioactive material is enclosed in or forms a component part of an instrument or other manufactured article, such as a clock or electronic apparatus, the limits specified in paragraph 3 of Schedule 4 for each individual item and each package respectively; and
- (b) where the radioactive material is not so enclosed or manufactured, the limits specified in paragraph 5 of Schedule 3.

2. An excepted package consisting of articles manufactured of natural uranium, depleted uranium, or natural thorium may contain any quantity of such material provided that the outer surface of the uranium or thorium is enclosed in an inactive sheath made of metal or some other substantial substance.

Industrial packages

3. The total activity in a single package of LSA material or in a single package of SCO shall be so restricted that the radiation level specified in paragraph 1 of Schedule 10 shall not be exceeded, and the activity in a single package shall also be so restricted that the activity limits for a conveyance specified in paragraph 5 of Schedule 10 shall not be exceeded.

Type A packages

- (a) (a) A Type A package containing a single radionuclide shall not contain activities greater than the following:
 - (i) for special form radioactive material: A_1 ; or
 - (ii) for all other radioactive material: A_2 .
- (b) For a Type A package containing a mixture of radionuclides whose identities and respective activities are known the following formulae shall apply:
 - (i) To calculate package limit for special form radioactive material:

$$\sum_i \frac{B(i)}{A_1(i)} \text{ shall be less than or equal to } 1$$

- (ii) To calculate package limit for other forms of radioactive material:

$$\sum_i \frac{B(i)}{A_2(i)} \text{ shall be less than or equal to } 1$$

where

$B(i)$ is the activity of radionuclide i and $A_1(i)$ and $A_2(i)$ are the A_1 and A_2 values for radionuclide i , respectively.

Type B packages

5. A Type B package shall not contain:

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- (a) activities greater than those authorised for the package design,
- (b) radionuclides different from those authorised for the package design, or
- (c) contents in a form, or a physical or chemical state different from those authorised for the package design,

as specified in the package design approval certificate.

Packages containing fissile material

6. Any packaging containing fissile material shall comply with the activity limits for packages of that type specified in this Schedule.

7. No packaging containing fissile material, other than a package falling within Schedule 8, shall contain:

- (a) a mass of fissile material greater than that authorised for the package design,
- (b) any contents different from those authorised for the package design, or
- (c) contents in a form or physical or chemical state, or in a spatial arrangement, different from those authorised for the package design,

as specified in the package design approval certificate.