

§ 173.160

transportation, a written report in accordance with § 171.16(a) is required if a fire, violent rupture, explosion or dangerous evolution of heat occurs as a direct result of a non-spillable battery.

(c) Non-spillable batteries are excepted from the packaging requirements of § 173.159 under the following conditions:

(1) Non-spillable batteries must be securely packed in strong outer packagings and meet the requirements of § 173.159(a). A non-spillable battery which is an integral part of and necessary for the operation of mechanical or electronic equipment must be securely fastened in the battery holder on the equipment;

(2) The battery and outer packaging must be plainly and durably marked "NON-SPILLABLE" or "NON-SPILLABLE BATTERY." The requirement to mark the outer package does not apply when the battery is installed in a piece of equipment that is transported unpackaged.

(d) Non-spillable batteries are excepted from all other requirements of this subchapter when offered for transportation and transported in accordance with paragraph (c) of this section and the following:

(1) At a temperature of 55 °C (131 °F), the battery must not contain any unabsorbed free-flowing liquid, and must be designed so that electrolyte will not flow from a ruptured or cracked case; and

(2) For transport by aircraft, when contained in a battery-powered device, equipment or vehicle must be prepared and packaged for transport in a manner to prevent unintentional activation in conformance with § 173.159(b)(2) of this Subpart.

[74 FR 2258, Jan. 14, 2009, as amended at 75 FR 72, Jan. 4, 2010]

§ 173.160 Bombs, smoke, non-explosive (corrosive).

Bombs, smoke, non-explosive may be shipped provided they are without ignition elements, bursting charges, detonating fuses or other explosive components. They must be packaged in wooden (4C1, 4C2), plywood (4D) or reconstituted wood (4F) boxes, or plywood drums (1D), which meet Packing Group II requirements.

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§ 173.161 Chemical kits and first aid kits.

(a) Chemical kits and First aid kits must conform to the following requirements:

(1) The kits may only contain hazardous materials for which packaging exceptions are provided in column 8(A) the § 172.101 Table of this subchapter.

(2) The kits must be packed in a strong outer packaging conforming to the packaging requirements of subpart B of this subchapter.

(3) The kits must include sufficient absorbent material to completely absorb the contents of any liquid hazardous materials contained in the kits. The contents must be separated, placed, or packed, and closed with cushioning material to protect them from damage.

(4) The contents of the kits must be packed so there will be no possibility of the mixture of contents causing dangerous evolution of heat or gas.

(5) The packing group assigned to the kits as a whole must be the most stringent packing group assigned to any individual substance contained in the kits.

(6) Inner receptacles containing hazardous materials within the kits must not contain more than 250 ml for liquids or 250 g for solids per receptacle.

(7) The total quantity of hazardous materials in any one outer package must not exceed either 10 L or 10 kg.

(b) Chemical kits and First aid kits are excepted from the specification packaging requirements of this subchapter. Chemical kits and First aid kits are also excepted from the labeling requirements of this subchapter except when offered for transportation or transported by air. In addition, Chemical kits and First aid kits are not subject to subpart F of part 172 of this subchapter (Placarding), part 174 (Carriage by rail) of this subchapter except § 174.24 (Shipping papers), and part 177 (Carriage by highway) of this subchapter except § 177.817 (Shipping papers). Kits that meet the definition for a consumer commodity in § 171.8 of this subchapter may be transported in accordance with the exceptions for ORM materials in § 173.156.

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