subpart B of this part but need not con-
form to the requirements of part 178 of
this subchapter.

[Amdt. 173–224, 55 FR 52643, Dec. 21, 1990, as
amended at 56 FR 66270, Dec. 20, 1991; Amdt.

§ 173.174 Refrigerating machines.

A refrigerating machine assembled
for shipment and containing 7 kg (15
pounds) or less of a flammable liquid
for its operation in a strong, tight re-
ceptacle is excepted from labeling (ex-
cept when offered for transportation or
transported by air) and the specifica-
tion packaging requirements of this
subchapter. In addition, shipments are
not subject to subpart F of part 172 of
this subchapter (Placarding), to part
174 of this subchapter (Carriage by rail)
except §174.24 (Shipping papers) and to
part 177 (Carriage by highway) of this
subchapter except §177.817 (Shipping
papers).

§ 173.181 Pyrophoric materials (liq-
uids).

When the §172.101 table specifies that
a hazardous material be packaged
under this section, only the following
non-bulk packagings are authorized:
(a) Specification steel or nickel cyl-
dinders prescribed for any compressed
gas except acetylene having a min-
imum design pressure of 1206 kPa (175
psig). Cylinders with valves must be:
(1) Equipped with steel valve protec-
tion caps or collars, unless overpacked;
or
(2) Overpacked in a wooden box (4C1,
4C2, 4D or 4F); fiberboard box (4G), or
plastic box (4H1 or 4H2). Cylinders
must be secured to prevent shifting in
the box and, when offered for transpor-
tation or transported, must be so load-
ed that pressure relief devices remain
in the vapor space of the cylinder. (See
§177.838(h) of this subchapter.)

(b) Wooden boxes (4C1, 4C2, 4D, or 4F)
or fiberboard boxes (4G) enclosing not
more than four strong, tight metal
cans with inner receptacles of glass or
metal, not over 1 L (0.3 gallon) capac-
ity each, having positive screwcap clo-
sures adequately gasketed. Inner pack-
age must be cushioned on all sides
with dry, absorbent, incombustible ma-
terial in a quantity sufficient to absorb
the entire contents. The strong, tight
metal cans must be closed by positive
means, not by friction.

(c) Steel drums (1A2) or fiber drums
(1G) not exceeding 220 L (58 gallons) ca-
pacity each with strong tight inner
metal cans not over 4.0 L (1 gallon) ca-
pacity each, closed by positive means,
not friction.

(1) Inner packagings must have no
opening exceeding 25 mm (1 inch) di-
ameter and must be surrounded with
noncombustible cushioning material.

(2) Net quantity of pyrophoric liquids
may not exceed two-thirds of the rated
capacity of the outer drum. For exam-
ple, a 220 L (58 gallons) outer drum may
contain no more than 147 L (39 gallons)
of pyrophoric liquids.

(3) Each layer of inner containers
must be separated by a metal plate sep-
arator in addition to cushioning mate-
rial.

[Amdt. 173–224, 55 FR 52643, Dec. 21, 1990, as
amended at 56 FR 66270, Dec. 20, 1991; 65 FR
28, 2001; 68 FR 24660, May 8, 2003; 68 FR 61941,
Oct. 30, 2003]

§ 173.182 Barium azide—50 percent or
more water wet.

Barium azide—50 percent or more
water wet, must be packed in wooden
boxes (4C1, 4C2, 4D, or 4F) or fiber
drums (1G) with inner glass packagings
not over 0.5 kg (1.1 pounds) capacity
each. Packagings must have rubber
stoppers wire tied for securemen. If
transportation is to take place when
and where freezing weather is possible,
a suitable antifreeze solution must be
used to prevent freezing. Each pack-
aging must conform to the require-
ments of part 178 of this subchapter at
the Packing Group I performance level.

§ 173.183 Nitrocellulose base film.

Films, nitrocellulose base, must be
packaged in packagings conforming to
the requirements of part 178 of this
subchapter at the Packing Group III
performance level, as follows:
(a) In steel drums (1A2), aluminum
drums (1B2), steel jerricans (3A2),
wooden (4C1, 4C2), plywood (4D) or re-
constituted wood (4F) boxes or plywood
drums (1D) with each reel in a tightly
closed metal can, polypropylene can-
ister, or strong cardboard or fiberboard

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