

§ 176.140

containers loaded with Class 1 (explosive) materials may be stowed only on the bottom tier of the stowage.

SEGREGATION

§ 176.140 Segregation from other classes of hazardous materials.

(a) Class 1 (explosive) materials must be segregated from other packaged hazardous materials in accordance with § 176.83.

(b) Class 1 (explosive) materials must be segregated from bulk solid dangerous cargoes in accordance with the General Introduction to the IMDG Code. Notwithstanding § 176.83(b), ammonium nitrate and sodium nitrate may be stowed together with blasting explosives, except those containing chlorates, provided the mixed stowage is treated as blasting explosives (see § 176.410(e)).

§ 176.142 Hazardous materials of extreme flammability.

(a) Except as allowed by paragraph (b) of this section, certain hazardous materials of extreme flammability may not be transported in a vessel carrying Class 1 (explosive) materials. This prohibition applies to the following liquid hazardous materials:

Carbon disulfide	UN1131	Class 3
Diethylzinc	UN1366	Division 4.2
Dimethylzinc	UN1370	Division 4.2
Magnesium alkyls ..	UN3053	Division 4.2
Methyl phosphonous dichloride, <i>pyrophoric liquid</i> .	NA2845	Division 6.1
Nickel carbonyl	UN1259	Division 6.1
Pyrophoric liquid, inorganic, n.o.s..	UN3194	Division 4.2
Pyrophoric liquids, organic, n.o.s..	UN2845	Division 4.2
Pyrophoric organometallic compound, water-reactive, n.o.s..	UN3203	Division 4.2

(b) The hazardous materials listed in paragraph (a) of this section may be transported in a vessel carrying the

following Class 1 (explosive) materials as cargo:

(1) Division 1.4 (explosive) materials, compatibility group S.

(2) Explosive articles having the following proper shipping names and identification numbers (see column (4) of the § 172.101 table) if designed for life-saving purposes and their total net explosive mass (weight) does not exceed 50 kg (110 lbs) per vessel:

(i) ARTICLES, PYROTECHNIC: UN Nos. 0428, 0429, 0430, 0431.

(ii) CARTRIDGES, FLASH: UN Nos. 0049, 0050.

(iii) CARTRIDGES, SIGNAL: UN Nos. 0054, 0312.

(iv) SIGNAL DEVICES, HAND: UN No. 0191.

(v) SIGNALS, DISTRESS: UN Nos. 0194, 0195.

(vi) SIGNALS, SMOKE: UN Nos. 0196, 0197, 0313.

(3) Class 1 (explosive) materials in compatibility groups C, D, and E if the total net explosive mass (weight) does not exceed 10 kg (22 pounds) per vessel.

(4) Explosive articles in compatibility group G, except fireworks and Class 1 (explosive) materials requiring special stowage if the total net explosive mass (weight) does not exceed 10 kg (22 pounds) per vessel.

(c) When a vessel carrying Class 1 (explosive) materials allowed under paragraph (b) of this section also carries a hazardous material of extreme flammability, that hazardous material must be stowed in a part of the vessel as remote as practicable from the Class 1 (explosive) materials.

[Amdt. 176–30, 55 FR 52696, Dec. 21, 1990, as amended at 66 FR 33438, June 21, 2001; 66 FR 45384, Aug. 28, 2001]

§ 176.144 Segregation of Class 1 (explosive) materials.

(a) Except as provided in § 176.145 of this subpart, Class 1 (explosive) materials may be stowed within the same compartment, magazine, portable magazine, or transport unit as indicated in table 176.144(a).