



T3/1.01

MSC/Circ.1146
15 December 2004

**LISTS OF SOLID BULK CARGOES FOR WHICH A FIXED
GAS FIRE-EXTINGUISHING SYSTEM MAY BE EXEMPTED OR FOR WHICH
A FIXED GAS FIRE-EXTINGUISHING SYSTEM IS INEFFECTIVE**

1 The Maritime Safety Committee, at its sixty-fourth session (5 to 9 December 1994), agreed there was a need to provide Administrations with guidelines regarding the provisions of SOLAS regulation II-2/10 concerning exemptions from the requirements for fire-extinguishing systems.

2 The Committee also agreed to the annexed table 1 providing a list of solid bulk cargoes, for which a fixed gas fire-extinguishing system may be exempted and recommended Member Governments to take into account the information contained in that table when granting exemptions under the provisions of SOLAS regulation II-2/10.7.1.4.

3 The Committee further agreed to the annexed table 2 providing a list of solid bulk cargoes for which a fixed gas fire-extinguishing system is ineffective, and recommended that cargo spaces in a ship engaged in the carriage of cargoes listed in table 2 be provided with a fire-extinguishing system which provides equivalent protection. The Committee also agreed that Administrations should take account of the provisions of SOLAS regulation II-2/19.3.1 when determining suitable requirements for an equivalent fire-extinguishing system.

4 The Maritime Safety Committee, at its seventy-ninth session (1 to 10 December 2004), reviewed the above-mentioned tables as set out in the annex.

5 The annexed tables will be reviewed periodically by the Maritime Safety Committee. Member Governments are requested to provide the Organization, when granting exemptions to ships for the carriage of cargoes not included in table 1, with data on the non-combustibility or fire risk properties of such cargoes. Member Governments are also requested to provide the Organization, when equivalent fire-extinguishing systems are required for the agreed carriage of cargoes not included in table 2, with data on the inefficiency of fixed gas fire-extinguishing systems for such cargoes.

6 The purpose of this circular is to provide guidance to Administrations. It should not, however, be considered as precluding Administrations from their right to grant exemptions for cargoes not included in table 1 or to impose any conditions when granting such exemptions under the provisions of SOLAS regulation II-2/10.7.1.4.

7 This circular supersedes MSC/Circ.671.

ANNEX

Table 1

LIST OF SOLID BULK CARGOES FOR WHICH A FIXED GAS FIRE-EXTINGUISHING SYSTEM MAY BE EXEMPTED

Cargoes including but not limited to those listed in regulation II-2/10

Ore
 Coal (COAL and BROWN COAL BRIQUETTES)
 Grain
 Unseasoned timber

Cargoes listed in the Code of Safe Practice for Solid Bulk Cargoes (BC Code), which are not combustible or constitute a low fire risk.

All cargoes not categorized into Group B in the BC Code

The following cargoes categorized into Group B in the BC Code:

ALUMINIUM SMELTING BY-PRODUCTS, UN 3170
 ALUMINIUM FERROSILICON POWDER (including briquettes), UN 1395
 ALUMINIUM SILICON POWDER, UNCOATED, UN 1398
 CALCINED PYRITES (Pyritic ash)
 DIRECT REDUCED IRON Briquettes, hot moulded
 FERROPHOSPHORUS (including briquettes)
 FERROSILICON, with more than 30% but less than 90% silicon (including briquettes), UN 1408
 FERROSILICON with 25% to 30% silicon, or 90% or more silicon (including briquettes)
 FLUORSPAR (calcium fluoride)
 LIME (UNSLAKED)
 MAGNESIA (UNSLAKED)
 PEAT MOSS
 PETROLEUM COKE*
 PITCH PRILL
 RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY MATERIAL (LSA-1), UN 2912
 RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECT(S) (SCO-1), UN 2913
 SILICOMANGANESE
 SULPHUR (lump and coarse-grained powder), UN 1350
 VANADIUM ORE
 WOODCHIPS, with moisture content of 15% or more
 WOOD PULP PELLETS, with moisture content of 15% or more
 ZINC ASHES, UN 1435

* When loaded and transported under the provisions of the BC Code.

Table 2

**LIST OF SOLID BULK CARGOES FOR WHICH A FIXED GAS
FIRE-EXTINGUISHING SYSTEM IS INEFFECTIVE AND FOR WHICH A
FIRE-EXTINGUISHING SYSTEM GIVING EQUIVALENT PROTECTION
SHALL BE AVAILABLE**

The following cargoes categorized into Group B of the BC Code:

ALUMINIUM NITRATE, UN 1438

AMMONIUM NITRATE, UN 1942

AMMONIUM NITRATE BASED FERTILIZERS UN 2067

AMMONIUM NITRATE BASED FERTILIZERS, UN 2071

BARIUM NITRATE, UN 1446

CALCIUM NITRATE, UN 1454

LEAD NITRATE, UN 1469

MAGNESIUM NITRATE, UN 1474

POTASSIUM NITRATE, UN 1486

SODIUM NITRATE, UN 1498

SODIUM NITRATE AND POTASSIUM NITRATE, MIXTURE, UN 1499
