These errata and corrigenda make editorial corrections to the International Maritime Solid Bulk Cargoes Code (IMSBC Code) (Amendment 04-17 and supplement), adopted by MSC.268(85), MSC.393(92), MSC.354(92) and MSC.426(98).

On page iii (Contents), replace MSC.1/Circ.1395/Rev.2 (12 June 2015) with MSC.1/Circ.1395/Rev.3 (16 June 2017) (as amended).

Resolution MSC.426(98)
In the second paragraph, replace “under chapters VI and VII” with “under chapter VI”.

Section 1
General provisions

1.1 Introductory note
1.1.1 Replace “by-laws” with “bye-laws”.

1.2 Cargoes listed in this Code
1.2.2 Add the word “whether” between “consider” and “to consult the authorities”.

1.3 Cargoes not listed in this Code
1.3.3 Format for the properties of cargoes not listed in this Code and conditions of the carriage

Replace “TENTATIVE BULK CARGO SHIPPING NAME” with “Tentative bulk cargo shipping name”

In the footnote, delete “, according to subsection 1.3.3 of the IMSBC Code”.

1.6 Conventions

Chapter VI
Carriage of cargoes and oil fuels

Part B
Special provisions for solid bulk cargoes

Regulation 7
Loading, unloading and stowage of solid bulk cargoes

In paragraph 3, replace footnote symbol ‡ with †.
Chapter VII
Carriage of dangerous goods

Part A-1
Carriage of dangerous goods in solid form in bulk

Regulation 7-1
Application

In the footnote ‡, delete “published by the Organization”.

1.7 Definitions

Replace:
“GHS means the fourth revised edition of the Globally Harmonized System of Classification and Labelling of Chemicals, published by the United Nations as document ST/SG/AC.10/30/Rev.4.”

with:
“GHS means the seventh revised edition of the Globally Harmonized System of Classification and Labelling of Chemicals, published by the United Nations as document ST/SG/AC.10/30/Rev.7.”.

Replace:

with:

Section 3
Safety of personnel and ship

3.1 General requirements

In the footnote *, delete “IMO sales number II210E”.

Section 4
Assessment of acceptability of consignments for safe shipment

4.3 Certificates of test

4.3.3 In footnote *, add “(see the supplement of this publication)”.

4.6 Sampling procedures for concentrate stockpiles

4.6.5 Delete the verb “is” before “placed in a sealed container”.

4.7 Examples of standardized sampling procedures, for information


Replace:
“ASTMD 2234-99 Standard Practice for Collection of a Gross Sample of Coal”

with:
“ASTM D2234/D2234M-17 Standard Practice for Collection of a Gross Sample of Coal”.
Replace:
“BS 1017:1989 Methods of sampling coal and coke
BS 1017 British Standard Part 2: 1994 methods of sampling of coal”
with:
“BS 1017-1:1989 Sampling of coal and coke. Methods for sampling of coal

4.8 Documentation required on board the ship carrying dangerous goods
4.8.3 Delete “(or II-2/54.3)” and capitalize the first letter of the word “document”.

Section 5
Trimming procedures

5.4 Special provisions for non-cohesive bulk cargoes
5.4.2 Replace “Methods of determining the angle of repose are given in section 6” with “Methods for determining the angle of repose are given in section 6.”.

Section 9
Materials possessing chemical hazards

9.2 Hazard classification
9.2.3 Materials hazardous only in bulk (MHB)
9.2.3.4 Solids that evolve into flammable gas when wet: MHB (WF)
Replace title with “Solids that evolve flammable gas when wet: MHB (WF)”.
9.2.3.7 Corrosive solids: MHB (CR)
9.2.3.7.3 Delete the “s” in the word “Systems” from “Unified Numbering Systems”.

9.3 Stowage and segregation requirements
9.3.1 General requirements
9.3.1.1 Replace “subsidiary risk” with “subsidiary hazard”.
9.3.2 Special requirements
9.3.2.3 Materials of class 7
9.3.2.3.1 Replace “an area of 300 cm2” with “an area of 300 cm²”.

Section 12
Stowage factor conversion tables

12.2 Cubic feet per long ton (ft³/ton) (2,240 lb, 1,016 kg) to cubic metres per metric tonne (m³/t) (2,204 lb, 1,000 kg)
In the table, in column 6, replace “0.1673” with “0.1676”.

IMSBC CODE 2018 EDITION – Errata and Corrigenda – November 2018
Section 13
References to related information and recommendations

13.2 Reference list*
13.2.12 Entering enclosed spaces

In 3.2.4, replace “1050(27)” with “A.1050(27)”.

Appendix 1
Individual schedules of solid bulk cargoes

ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS UN 3170

In the “Description”, decapitalize various different waste materials listed to read as follows:

“Aluminium dross
Aluminium salt slags
Aluminium skimmings
Spent cathodes
Spent potliner”.

AMMONIUM NITRATE BASED FERTILIZER UN 2067 (continued)

Loading
Change bullet points for numbers.

Discharge
Place last sentence “Ammonium nitrate based fertilizers are hygroscopic and may cake in overhangs, impairing safety during discharge” after “Pumping of fuel oil in spaces adjacent to the cargo spaces for this cargo, other than the engine-room, shall not be allowed.”.

AMMONIUM NITRATE BASED FERTILIZER UN 2071 (continued)

Loading
Change bullet points for numbers.

AMMONIUM NITRATE BASED FERTILIZER (non-hazardous) (continued)

Loading
Change bullet points for numbers.

AMORPHOUS SODIUM SILICATE LUMPS

Description
Replace “Colorless” with “Colourless”.

BARIUM NITRATE UN 1446 (concluded)

Emergency procedures
Special emergency equipment to be carried
Delete the word “and” before “headgear”.


BROWN COAL BRIQUETTES (appendix, continued)

Carriage

In paragraph 5.2, replace “2000 parts per million (ppm)” and “1000 ppm”, with “2,000 parts per million (ppm)” and “1,000 ppm”, respectively.

COAL

Description

Move the paragraph beginning with “Coal shall be classified” and ending with “in the blend are Group B only” to be under the Bulk Cargo Shipping Name.

Appendix

Special precautions

2 Self-heating coals

Replace “When the shipper has indicated” with “When the shipper has informed”.

DIRECT REDUCED IRON (A)

Briquettes, hot-moulded

Description

Replace “than 5000 kg/m³” with “than 5,000 kg/m³”.

In the column “Size”, add “:” after “Fines and small particles”.

Carriage

In the third paragraph, replace “The temperature of the cargo” with “The cargo temperature”.

DIRECT REDUCED IRON (B)

Lumps, pellets, cold-moulded briquettes

Description

Replace “than 5000 kg/m³” with “than 5,000 kg/m³”.

In the column “Size”, add “:” after “Fines and small particles”.

Loading

At end of third paragraph, replace, “in regards to” with “with regard to”.

Move the last paragraph “When the stowage factor…. pile of the cargo” to before the eighth paragraph “The cargo temperature…. does not exceed 65°C.”.

DIRECT REDUCED IRON (C)

(By-product fines)

Description

Replace “than 5000 kg/m³” with “than 5,000 kg/m³”.

Loading

Position the last paragraph “As the density of the cargo…. by a pile of the cargo.” after the fifth paragraph “Trim in accordance … of this Code.”.
FERROSILICON UN 1408 (appendix, continued)

Gases released from ferrosilicon impurities when water is added
(i) Arsine

Symptoms
In paragraph 2, replace “discoloration” with “discolouration”.

FERROSILICON (appendix, concluded)

Gases released from ferrosilicon impurities when water is added
(i) Arsine

Symptoms
In paragraph 2, replace “discoloration” with “discolouration”.

FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS UN 2793 in a form liable to self-heating
In the first paragraph, replace “should” with “shall”.

FLUORSPAR

Hazard
At the end of this section, add “Harmful and irritating by dust inhalation.”.

FLY ASH, DRY

Description
Replace “Fly ash is the light” with “Fly ash, dry is the light”.

Clean-up
Replace “discharge is fly ash.” with “discharge is FLY ASH, DRY.”

GRAIN SCREENING PELLETS

Characteristics
In the column “Stowage factor (m³/t)”, replace the existing figure “2.08” with “2.09”.

GRANULATED NICKEL MATTE (LESS THAN 2% MOISTURE CONTENT)

Stowage and Segregation
Replace “Separated from foodstuffs.” with “Separated from foodstuffs.”

GYPSUM GRANULATED

Description
Replace “by product” with “by-product”.

IRON AND STEEL SLAG AND ITS MIXTURE

Description
In the second paragraph, replace “if necessary the cargo is transported” with “if necessary. The cargo is transported”.

IRON OXIDE TECHNICAL

Characteristics
In the column “Size”, replace the existing figure “1,000” with the words “Fine particles”.

LEAD NITRATE UN 1469 (concluded)

Emergency procedures
Special emergency equipment to be carried
Delete the word “boots”.

LIME (UNSLAKED) (concluded)

Emergency procedures
Change “Do not use water” to bold type.

MANGANESE COMPONENT FERROALLOY SLAG

Description
Replace “brownish-red or grayish-black” with “brownish-red or greyish-black”.

MANGANESE ORE FINES (concluded)

Weather precautions
Replace “When a cargo is carried in a ship other than a specially constructed or fitted cargo ship” with “When a cargo is carried in a ship other than a ship”.

In subparagraph .3, replace “otherwise in this schedule” with “otherwise in this individual schedule”.

METAL SULPHIDE CONCENTRATES

Hazard
Position the sentence “Some metal sulphide concentrates may have acute and long term health effects.” before the sentence “This cargo may ... (TML)”.

Emergency procedures
Emergency action in the event of fire
Delete “if available”.

Mineral Concentrates
Replace the existing Bulk Cargo Shipping Name “MINERAL CONCENTRATES” with “Mineral Concentrates”.

IMSBC CODE 2018 EDITION – Errata and Corrigenda – November 2018
OLIVINE SAND (concluded)

Carriage

Replace:

“The appearance of the surface of this cargo shall be checked regularly during voyage. If free water above the cargo or fluid state of the cargo is observed during voyage, the master shall take appropriate actions to prevent cargo shifting and potential capsize of the ship, and give consideration to seeking emergency entry into a place of refuge.”

with:

“The appearance of the surface of this cargo shall be checked regularly during the voyage. If free water above the cargo or fluid state of the cargo is observed during the voyage, the master shall take appropriate actions to prevent cargo shifting and potential capsize of the ship, and give consideration to seeking emergency entry into a place of refuge.”

PEAT MOSS (concluded)

Clean-up

Replace “No special precautions” with “No special requirements”.

Emergency procedures

Emergency action in the event of fire

Add “if fitted” after “installation”.

PYROPHYLILITE

Characteristics

In the column “Size”, replace “Lump to fines” with “Lumps to fines”.

SAND, HEAVY MINERAL

Hazard

Replace “See sections 7 and 8 of the Code” with “See sections 7 and 8 of this Code”.

SCALE GENERATED FROM THE IRON AND STEEL MAKING PROCESS

Description

In the second paragraph, replace “Colour is gray, ash brown” with “Colour is grey, ash brown”

In the third paragraph, replace “It consists of main chemical” with “The main chemical”.

SILICOMANGANESE (low carbon)

Precautions

Replace the full text with the following:

“The manufacturer or the shipper shall provide the master with a certificate stating that, after manufacture, the cargo was stored under cover, but exposed to open air for not less than three days prior to shipment.

Smoking shall not be allowed on deck and in the cargo spaces and “NO SMOKING” signs shall be displayed on deck whenever this cargo is on board. Electrical fittings and cables shall be in good condition and properly safeguarded against short circuits and sparking. Where a bulkhead is required to be suitable for segregation purposes, cable and conduit penetrations of the decks and bulkheads shall be sealed against the passage of gas and vapour. Whenever practicable, ventilation systems for the living quarters shall be shut down or screened and air...
condition systems shall be placed on recirculation during loading and discharge of this cargo, in order to minimize the entry of dust into living quarters or other interior spaces of the ship. Precautions shall be taken to minimize the extent to which dust of this cargo may come in contact with moving parts of deck machinery and external navigation aids such as navigation lights.

Entry of personnel into enclosed spaces shall not be permitted until tests have been carried out and it has been established that the oxygen content has been restored to a normal level throughout the space and that no toxic gas is present, unless adequate ventilation and air circulation throughout the free space above the material has been effected.

* Refer to Revised recommendations for entering enclosed spaces aboard ships (resolution A.1050(27)).*

**SPODUMENE (UPGRADED)**

Weather precautions

In subparagraph .3, add “individual” before “schedule”.

**SUGAR**

Characteristics

In the column “Size”, replace “Granules, up to 3 mm” with “Granules up to 3 mm”.

**SUGARCANE BIOMASS PELLETS**

Characteristics

In the column “Size”, replace “diameter” with “Diameter “.

**SULPHUR (formed, solid)**

In the first paragraph, replace “above” with “below”.

**SYNTHETIC CALCIUM FLUORIDE**

Weather precautions

In subparagraph .3, add “individual” between “otherwise in this” and “schedule”.

**SYNTHETIC SILICON DIOXIDE**

Weather precautions

In subparagraph .3 add “individual” between “otherwise in this” and “schedule”.

**WOOD PELLETS CONTAINING ADDITIVES AND/OR BINDERS**

Hazard

Replace the second paragraph with the following:

“Swelling if exposed to moisture. Wood pellets may ferment over time if moisture content is over 15%, leading to generation of asphyxiating and flammable gases which may cause spontaneous combustion.”.
WOOD PRODUCTS – GENERAL

Replace the existing Bulk Cargo Shipping Name “WOOD PRODUCTS – GENERAL” with “Wood Products – General”.

Precautions

Add “An oxygen meter shall be worn and activated by all crew when entering cargo and adjacent enclosed spaces.” as the last sentence of this section.

WOOD TORREFIED

Characteristics

In the column “Size”, add “.” at the end of the text.

ZINC ASHES UN 1435 (concluded)

Emergency procedures

Emergency action in the event of fire

Replace “if fitted” with “if available”.

ZIRCON KYANITE CONCENTRATE

Weather precautions

Replace “When this cargo is carried in a ship other than a specially constructed or fitted cargo ship” with “When a cargo is carried in a ship other than a ship”.

In subparagraph .3, add “individual” between “otherwise in this” and “schedule”.

Appendix 2

Laboratory test procedures,
associated apparatus and standards

1.2 Penetration test procedure

In “Figure 1.2.2.5 – Bit holder”, replace “2-ø3.” with “2-ø 3.3.”.
1.4 Modified Proctor/Fagerberg test procedure for Iron Ore Fines

1.4.4 Procedure

Replace existing figure 1.4.3 on page 415 in Spanish with the English version of the figure.

\[
\begin{align*}
\text{Void ratio } e & = 0.4, 0.6, 0.8, 1.0 \\
\text{Net water content in volume } \% & = e_v \\
\text{Net water content in weight } \% & = W = \frac{e_v}{d} \\
\text{Gross water content in weight } \% & = W_1 = \frac{100e_v}{100d + e_v}
\end{align*}
\]

1.5.2 Normative references

Delete the third sentence “For undated references, the latest edition of the referenced document (including any amendments) applies.”

At the third bullet, replace “ISO 3319-2:2013” with “ISO 3310-2:2013”.

1.5.5.1.2 Standard sieves


Appendix 3

Properties of solid bulk cargoes

After AMMONIUM NITRATE BASED FERTILIZERS, add (TYPE A, TYPE B and NON-HAZARDOUS)

Appendix 4

Index

In the Material column:

Amend “ALUMINIUM DROSS” to read “Aluminium dross”.
Amend “ALUMINIUM SALT SLAGS” to read “Aluminium salt slags”.
Amend “ALUMINIUM SKIMMINGS” to read “Aluminium skimmings”.
Add “Antimony ore residue C see ANTIMONY ORE AND RESIDUE” after the entry “ANTIMONY ORE AND RESIDUE”
In the line “COPPER CONCENTRATE”, in the column **References**, add “see Mineral Concentrates schedule”.

**Add** “SILICOMANGANESE (carbo-thermic) C” before the entry SILICOMANGANESE (low carbon).

In the line “SPENT CATHODES” in the column **Material**, **amend** the entry to read “Spent cathodes”.

In the line “SPENT POTLINER” in the column **Material**, **amend** the entry to read “Spent potliner”.

In the line “Steel swarf” in the column **References**, add “UN 2793” to read “see FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS UN 2793”.

In the line “Swarf” in the column **References**, add “UN 2793” to read “see FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS UN 2793”.

In the line “ZINC CONCENTRATE”, in the column **References**, add “see Mineral Concentrates schedule”.

In the line “Zinc, dross, residue or skimmings”, in the column **References**, **amend** the entry to read “see ZINC ASHES, UN 1435”.

## Appendix 5

**Bulk Cargo Shipping Names in three languages** *(English, French and Spanish)*

In the Spanish column, **replace** all instances of “No ONU” with “UN”.

**Replace** the existing entries with the following corresponding entries:

<table>
<thead>
<tr>
<th>English</th>
<th>French</th>
<th>Spanish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium dross</td>
<td>Laitier d'aluminium</td>
<td>Residuos de aluminio</td>
</tr>
<tr>
<td>Aluminium skimmings</td>
<td>Crasse d'aluminium</td>
<td>Espuma de aluminio</td>
</tr>
<tr>
<td>BORAX, ANHYDROUS, refined</td>
<td>BORAX ANHYDRE raffiné</td>
<td>BÓRAX ANHIDRO, refinado</td>
</tr>
<tr>
<td>CALCIUM NITRATE UN 1454</td>
<td>NITRATE DE CALCIUM UN 1454</td>
<td>NITRATO CÁLCICO, UN 1454</td>
</tr>
<tr>
<td>CHARCOAL</td>
<td>CHARBON DE BOIS</td>
<td>CARBÓN VEGETAL</td>
</tr>
<tr>
<td>COPPER SLAG</td>
<td>SCORIES DE CUIVRE</td>
<td>ESCORIA DE COBRE</td>
</tr>
<tr>
<td>COPRA (dry) UN 1363</td>
<td>COPRAH (sec) UN 1363</td>
<td>COPRA (seca), UN 1363</td>
</tr>
<tr>
<td>Hominy chop</td>
<td>Hominy chop</td>
<td>Sémola de maíz triturada</td>
</tr>
<tr>
<td>Iron skulls</td>
<td>Fer en forme de cranes dit «iron skulls»</td>
<td>Hierro en forma de cráneos conocido como «iron skulls»</td>
</tr>
<tr>
<td>IRON SMELTING BY-PRODUCTS</td>
<td>SOUS-PRODUITS DE LA FUSION DU FER</td>
<td>PRODUCTOS DERIVADOS DE LA FUNDICIÓN DEL HIERRO</td>
</tr>
<tr>
<td>MONOAMMONIUM PHOSPHATE (M.A.P.), MINERAL ENRICHED COATING</td>
<td>MONOPHOSPHATE D'AMMONIUM, REVÊTEMENT ENRICHI EN MINÉRAUX</td>
<td>FOSFATO MONOAMÓNICO, REVESTIMIENTO ENRIQUECIDO CON MINERALES</td>
</tr>
<tr>
<td>MONOCALCIUMPHOSPHATE (MCP)</td>
<td>PHOSPHATE MONOCÁLCAICO</td>
<td>FOSFATO MONOCÁLCICO</td>
</tr>
<tr>
<td>OLIVINE GRANULAR AND GRAVEL AGGREGATE PRODUCTS</td>
<td>AGRÉGATS DE GRAINS ET DE GRAVIERS D’OLIVINE</td>
<td>PRODUCTOS AGREGADOS GRANULARES Y DE GRAVA DE OLIVINO</td>
</tr>
<tr>
<td>Pollard pellets</td>
<td>Recoupette en boulettes</td>
<td>Moyuelo, pellets de</td>
</tr>
<tr>
<td>QUARTZ</td>
<td>QUARTZ</td>
<td>CUARZO</td>
</tr>
<tr>
<td>SALT CAKE</td>
<td>PAIN DE SEL</td>
<td>SAL, TORTA DE</td>
</tr>
<tr>
<td>English</td>
<td>French</td>
<td>Spanish</td>
</tr>
<tr>
<td>---------</td>
<td>--------</td>
<td>---------</td>
</tr>
<tr>
<td>SAND, MINERAL CONCENTRATE, RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I) UN 2912</td>
<td>MATIÈRES RADIOACTIVES DE FAIBLE ACTIVITÉ SPÉCIFIQUE (LSA-I), SABLES, CONCENTRÉS DE MINÉRAUX UN 2912</td>
<td>ARENAS DE CONCENTRADOS DE MINERALES, MATERIAL RADIACTIVO DE BAJA ACTIVIDAD ESPECÍFICA (BAE-I), UN 2912</td>
</tr>
<tr>
<td>Separation of iron</td>
<td>Résidus du processus de séparation</td>
<td>Hierro de separación</td>
</tr>
<tr>
<td>SOLIDIFIED FUELS RECYCLED FROM PAPER AND PLASTICS</td>
<td>COMBUSTIBLES SOLIDIFIÉS RECYLÉS À PARTIR DE PAPEY ET DE PLASTIQUE</td>
<td>COMBUSTIBLES SOLIDIFICADOS RECICLADOS DE PAPELES Y PLÁSTICOS</td>
</tr>
<tr>
<td>Spent cathodes</td>
<td>Cathodes usées</td>
<td>Cátodos agotados</td>
</tr>
<tr>
<td>Spent potliner</td>
<td>Revêtement usé des cuves</td>
<td>Cubas electrolíticas agotadas</td>
</tr>
<tr>
<td>SPODUMENE (UPGRADED)</td>
<td>SPODUMÈNE (ENRICHI)</td>
<td>ESPODUMENO (ENRIQUECIDO)</td>
</tr>
<tr>
<td>SYNTHETIC SILICON DIOXIDE</td>
<td>SILICE DE SYNTHÈSE</td>
<td>DIÓXIDO DE SILICIO SINTÉTICO</td>
</tr>
<tr>
<td>WOOD PELLETS CONTAINING ADDITIVES AND/OR BINDERS</td>
<td>GRANULÉS (PELLETS) DE BOIS CONTENANT DES ADDITIFS ET/OU LIANTS</td>
<td>PELLETS DE MADERA QUE CONTIENEN ADITIVOS Y/O AGLUTINANTES</td>
</tr>
<tr>
<td>Zinc, dross, residue or skimmings</td>
<td>Zinc, crasses, résidus, laitier</td>
<td>Cinc (desechos de, residuos de o espuma de)</td>
</tr>
</tbody>
</table>

Delete second entry of “COPPER CONCENTRATE   CONCENTRÉ DE CUIVRE   COBRE, CONCENTRADO DE” (beneath “Copper ore concentrate” – the first entry rightly appears beneath “COLEMANITE”.

Add new entry:
Silica sand   Sable siliceux   Arena de silice

Amend the existing entry SILICOMANGANESE to read “SILICOMANGANESE (low carbon) SILICOMANGANESE (à faible teneur en carbone) SILICOMANGANÉSE (bajo contenido de carbono)” and reposition it beneath the existing entry for SILICOMANGANESE (carbo-thermic) etc.

The two entries of soyabean are misplaced in the table and should appear after SOLIDIFIED FUELS RECYCLED FROM PAPER AND PLASTICS.

On page 469 (Contents), replace MSC.1/Circ.1395/Rev.2 (12 June 2015) with MSC.1/Circ.1395/Rev.3 (16 June 2017) (as amended).
MSC.1/Circ.1395/Rev.3
16 June 2017

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 that 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 Consequently, the Committee approved MSC/Circ.671 whereby it agreed to:

.1 a list of solid bulk cargoes, for which a fixed gas fire-extinguishing system may be exempted (table 1) and recommended Member States to take into account the information contained in table 1 when granting exemptions under the provisions of SOLAS regulation II-2/10.7.1.4; and

.2 a list of solid bulk cargoes for which a fixed gas fire-extinguishing system is ineffective (table 2), 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.

3 The Maritime Safety Committee, at its seventy-ninth session (1 to 10 December 2004), reviewed the above-mentioned tables and approved MSC.1/Circ.1146. The Committee decided that the annexed tables should be periodically reviewed and invited Member States 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 States were 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.

4 The Maritime Safety Committee, at its eighty-ninth session (11 to 20 May 2011), noting the mandatory status of the IMSBC Code, reviewed the aforementioned lists of solid bulk cargoes to align certain names in the lists with those in the recent version of the IMDG Code, and approved MSC.1/Circ.1395 on 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, superseding MSC.1/Circ.1146. The Maritime Safety Committee, at its ninety-second session (12 to 21 June 2013), approved a revision to MSC.1/Circ.1395.

5 The Maritime Safety Committee, at its ninety-fifth session (3 to 12 June 2015), considering the proposal by the Sub-Committee on Carriage of Cargoes and Containers, at its first session, approved a revision to MSC.1/Circ.1395/Rev.1.
The Maritime Safety Committee, at its ninety-eighth session (7 to 16 June 2017), considering the proposal by the Sub-Committee on Carriage of Cargoes and Containers, at its third session, approved a revision to MSC.1/Circ.1395/Rev.2, as set out in tables 1 and 2 of the annex.

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.

This circular supersedes MSC/Circ.1395/Rev.2.

Annex

Table 1
List of solid bulk cargoes for which a fixed gas fire-extinguishing system may be exempted

1 Cargoes including, but not limited to, those listed in SOLAS regulation II-2/10:
   Ore
   Coal (COAL and BROWN COAL BRIQUETTES)
   Grain
   Unseasoned timber

2 Cargoes listed in the International Maritime Solid Bulk Cargoes (IMSBC) Code, which are not combustible or constitute a low fire risk, as follows:
   .1 all cargoes not categorized into Group B in the IMSBC Code; and
   .2 the following cargoes categorized into Group B in the IMSBC Code:
      ALUMINA HYDRATE
      ALUMINIUM SMELTING BY-PRODUCTS UN 3170
      (both the names ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS are in use as proper shipping names)
      ALUMINIUM FERROSILICON POWDER UN 1395
      ALUMINIUM SILICON POWDER, UNCOATED UN 1398
      AMORPHOUS SODIUM SILICATE LUMPS
      BORIC ACID
      CALCINED PYRITES (Pyritic ash)
      CLINKER ASH
      COAL TAR PITCH
      DIRECT REDUCED IRON (A) Briquettes, hot moulded
      FERROPHOSPHORUS (including briquettes)
      FERROSILICON UN 1408, with 30% or more but less than 90% silicon (including briquettes)
      FERROSILICON, with at least 25% but less than 30% silicon, or 90% or more silicon
      FLUORSPAR (calcium fluoride)
      GRANULATED NICKEL MATTE (LESS THAN 2% MOISTURE CONTENT)
      LIME (UNSLAKED)
      LOGS
      MAGNESIA (UNSLAKED)
      MONOCALCIUMPHOSPHATE (MCP)
      MONOAMMONIUM PHOSPHATE (M.A.P.), MINERAL ENRICHED COATING
      PEAT MOSS
PETROLEUM COKE
PITCH PRILL
PULP WOOD
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non-fissile or fissile – excepted UN 2912
RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECT(S) (SCO-I), non-fissile or fissile – excepted UN 2913
ROUNDWOOD
SAND, MINERAL CONCENTRATE, RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I) UN 2912
SAW LOGS
SILICOMANGANESE (low carbon)
SULPHUR UN 1350
TIMBER
VANADIUM ORE
WOODCHIPS, with moisture content of 15% or more
WOOD PELLETS (NOT CONTAINING ANY ADDITIVES AND/OR BINDERS)
ZINC ASHES UN 1435

Cargo assigned to the following generic Group B shipping schedules when they do not exhibit any self-heating, flammability, or water-reactive flammability hazards in accordance with the MHB tests and classification criteria contained in the Code:
METAL SULPHIDE CONCENTRATES
METAL SULPHIDE CONCENTRATES, CORROSIVE UN 1759

3 Solid bulk cargoes which are not listed in the IMSBC Code, provided that:
.1 they are assessed in accordance with section 1.3 of the Code;
.2 they do not present hazards of Group B as defined in the Code; and
.3 a certificate has been provided by the competent authority of the port of loading to the master in accordance with 1.3.2 of the 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 IMSBC Code:
ALUMINIUM NITRATE UN 1438
AMMONIUM NITRATE UN 1942 (with not more than 0.2% total combustible material, including any organic substance, calculated as carbon to the exclusion of any other added substance)
AMMONIUM NITRATE BASED FERTILIZER UN 2067
AMMONIUM NITRATE BASED FERTILIZER 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

* When loaded and transported under the provisions of the IMSBC Code.*.
Add circular MSC.1/Circ.1396 after MSC.1/Circ.1264.
Tables of Contents (pages iii and 469) to be updated accordingly.

“MSC.1/Circ.1396
16 June 2011

Amendment to the Recommendations on the safe use of pesticides in ships applicable to the fumigation of cargo holds (MSC.1/Circ.1264)

1 The Maritime Safety Committee, at its eighty-fourth session (7 to 16 May 2008), approved the Recommendations on the safe use of pesticides in ships applicable to the fumigation of cargo holds (MSC.1/Circ.1264), which apply to the carriage of solid bulk cargoes, including grain, in pursuance of the requirement of SOLAS regulation VI/4.

2 The Maritime Safety Committee, at its eighty-ninth session (11 to 20 May 2011), approved the following amendment to section 5 (Safety Precautions – General) of the aforementioned Recommendations, as prepared by the Sub-Committee on Dangerous Goods, Solid Cargoes and Containers (DSC) at its fifteenth session:

“5.3 Fire risk

5.3.1 When Phosphine generating formulations are used to fumigate, any collected residue may ignite.”

3 Member Governments are invited to bring the above amendment to the Recommendations to the attention of competent authorities, seafarers, fumigators, fumigant and pesticide manufacturers and others concerned.”

MSC.1/Circ.1454/Rev.1

On page 599, beneath the word “Annex”, add title of Annex “Guidelines for developing and approving procedures for sampling, testing and controlling the moisture content for solid bulk cargoes which may liquefy”.

BC.1/Circ.74

Contact names and addresses of the offices of designated national competent authorities responsible for the safe carriage of grain and solid bulk cargoes

IRELAND

Replace “Dublin 21” with “Dublin 2”.
ITALY

Replace the entries for Italy in entirety as follows:
Comando Generale del Corpo delle Capitanerie di Porto
Lt. (IT.C.G.) Francesco Foti
Ufficio II – Merci Pericolose
Viale Dell’Arte, 16
Roma
00144
Italy
Telephone: +39 06 5908 4267
+39 06 5908 4652
Telefax: +39 06 5908 4630
Email: cgcp@pec.mit.gov.it
segreteria.reparto6@mit.gov.it
Website: www.guardiacostiera.gov.it

MEXICO

Replace the entries for Mexico in entirety as follows:
Capitán de Navío Rafael Gómez Conejo
Director de Inspección y Certificación Marítima
Dirección General Adjunta de Protección y Certificación Marítima
Unidad de Planeación y Coordinación Estratégica
Secretaría de Marina
Av. Heroica Escuela Naval Militar No. 669
Col. Presidentes Ejidales, 2da. Sección
C.P. 04470, Ciudad de México
México
Telephone: +52 (55) 5624-6500 ext. 6210
Email: unicapam.digaprocerc@semar.gob.mx
digecapam.digaprocerc@semar.gob.mx

Lic. Saturnino Hermida Mayoral
Director General de Marina Mercante
Coordinación General de Puertos y Marina Mercante
Secretaría de Comunicaciones y Transportes
Boulevard Adolfo López Mateos No. 1990, piso 5
Colonia Tlacopac, Del. Álvaro Obregón
C.P. 01049, Ciudad de México
México
Telephone: +52 (55) 52653220
Email: shermida@sct.gob.mx
PHILIPPINES

Replace the entries for Philippines in entirety as follows:

Commander
Maritime Safety Services Office
Philippine Coast Guard
139, 25th Street, Port Area
Manila
Philippines
Telephone: +632 5278481

The Administrator
Maritime Industry Authority
Parkview Plaza
984 Taft Avenue corner Kalaw Street
Manila
Philippines
Telephone: +632 5239078
Email: oadm@marina.gov.ph

Atty. Jay Daniel R. Santiago
General Manager
Philippine Ports Authority
6th Floor, PPA Corporate Building
Bonifacio Drive
South Harbor, Port Area
Manila 1018
Philippines
Telephone: +632 5274853
Email: ogm@ppa.com.ph

Mr. Hector E. Miole
Assistant General Manager for Operations
Philippine Ports Authority
6th Floor, PPA Corporate Building
Bonifacio Drive
South Harbor, Port Area
Manila 1018
Philippines
Telephone: +632 5276432
Email: hemiole@ppa.com.ph

RUSSIAN FEDERATION

Amend the current entry as follows:

Department of State Policy for Maritime and River Transport
Ministry of Transport of the Russian Federation
Rozhdestvenka Street, 1, bldg. 1
Moscow 109012
Russian Federation
Telephone: +7 499 495 05 50
Email: rusma@mintrans.ru

UKRAINE

Delete all numbers “0” in the international code. It should read: “+38”.