

**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals**

4 August 2015

Sub-Committee of Experts on the Transport of Dangerous Goods

Forty-eight session

Geneva, 30 November – 9 December 2015

Item 3 of the provisional agenda

Listing, classification and packing

Assignment of BK codes

Transmitted by the expert from Germany

1. Reference is made to ST/SG/AC.10/C.3/2015/31, paragraph 3.
2. IMO document CCC 2/6/4 referred to in that paragraph is reproduced hereafter.

SUB-COMMITTEE ON CARRIAGE OF
CARGOES AND CONTAINERS
2nd session
Agenda item 6

CCC 2/6/4
12 June 2015
Original: ENGLISH

AMENDMENTS TO THE IMDG CODE AND SUPPLEMENTS

Assignment of BK 2 Codes

Submitted by Germany

SUMMARY

Executive summary: This document proposes the harmonization of the provisions concerning transport in BK2 containers in the IMDG Code with those contained in the UN Model Regulations

Strategic direction: 5.2

High-level action: 5.2.3

Planned output: 5.2.3.4

Action to be taken: Paragraph 9

Related documents: None

Introduction

1 When the codes recommended by the United Nations experts for the transport of dangerous goods in bulk (BK1 and BK2) were introduced, the DSC Sub-Committee decided to introduce into the IMDG Code exclusively closed bulk containers (BK2) for the transport of dangerous goods. In addition, it was decided to insert the code BK2 in column 13 in all cases where a BP code (code for bulk packaging) was assigned to an entry in the Dangerous Goods List.

2 However, the fact that there are two packing groups (I and II) for UN number 1402 calcium carbide was not taken into consideration when amending the IMDG Code. Even though the code BP was only assigned to packing group II but not to packing group I, both entries were assigned a BK2 code.

3 When this matter was examined, it was noted that there are several UN numbers in the dangerous goods list which were assigned the code BK2 although no BK code is assigned to these substances in the UN Recommendations.

[https://edocs.imo.org/Final Documents/English/CCC 2-6-4 \(E\).docx](https://edocs.imo.org/Final Documents/English/CCC 2-6-4 (E).docx)

CCC 2/6/4
Page 2

4 Germany has reviewed these entries with a view to harmonization with the UN Model Regulations. For some of the entries, transport in bulk containers should not be permitted as envisaged in the UN Model Regulations. This concerns the following UN numbers:

- .1 1402 – calcium carbide, class 4.3, packing group I and II (as stated above);
- .2 1485 – potassium chlorate, class 5.1, packing group II;
- .3 2211 – polymeric beads, expandable evolving flammable vapour, class 9, packing group III; and
- .4 3314 – plastics moulding compound in dough, sheet or extruded rope form, evolving flammable vapour.

5 For substances of UN numbers 2211 and 3314, special requirements have been introduced into the IMDG Code (see special provision 965) according to which packagings are to be used that provide an adequate exchange of air or are hermetically sealed. It is also for these reasons that substances of these UN numbers should not be transported in bulk.

6 Some of the other entries concerned are substances that may also be transported in accordance with the IMSBC Code (see annex). It would not be appropriate to allow the transport in bulk but not transport in bulk containers. Rather, consideration should be given to whether transport in BK containers should be allowed also for other modes of transport. Germany will submit a relevant proposal to the UN TDG Sub-Committee.

7 UN 1446 and UN 1469 are two of the substances allowed to be transported in accordance with the IMSBC Code; however, these substances should not be transported in closed bulk containers because of their subsidiary risk 6.1.

Proposal

8 Germany proposes to delete the code BK2 in column 13 of the Dangerous Goods List for UN numbers 1402, 1446, 1469, 1485, 2211 and 3314 in order to harmonize the provisions of the IMDG Code with those of the UN Recommendations.

Action requested of the Sub-Committee

9 The Sub-Committee is invited to consider the proposed amendments and take action as appropriate.

ANNEX¹SUBSTANCES THAT MAY ALSO BE TRANSPORTED
IN ACCORDANCE WITH THE IMSBC CODE

UN numbers which – unlike in the UN Model Regulations – have a BK2 code in column 13 of the DGL of the IMDG Code but can be transported in accordance with the IMSBC Code:

UN No.	Proper Shipping Name	Class	Packing group	Portable Tanks and bulk containers
(1)	(2)	(3)	(5)	(13)
1363	COPRA	4.2	III	BK2
1386	SEED CAKE, containing vegetable oil (a) mechanically expelled seeds, containing more than 10% oil or more than 20% oil and moisture combined	4.2	III	BK2
1386	SEED CAKE, containing vegetable oil (b) solvent extractions and expelled seeds, containing not more than 10% of oil and when the amount of moisture is higher than 10%, not more than 20% of oil and moisture combined	4.2	III	BK2
1395	ALUMINIUM FERROSILICON POWDER	4.3	II	T3, BK2
1398	ALUMINIUM SILICON POWDER, UNCOATED	4.3	III	T1, BK2
1435	ZINC ASHES	4.3	III	T1, BK2
1446	BARIUM NITRATE	5.1	II	T3, BK2
1469	LEAD NITRATE	5.1	II	T3, BK2
2071	AMMONIUM NITRATE BASED FERTILIZER	9	III	BK2
2216	FISHMEAL (FISHSCRAP), STABILIZED Anti-oxidant treated. Moisture content greater than 5% but not exceeding 12%, by mass. Fat content not more than 15%	9	III	T1, BK2
2217	SEED CAKE with not more than 1.5% oil and not more than 11% moisture	4.2	III	BK2
2793	FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS in a form liable to self-heating	4.2	III	BK2

¹ This annex will be presented in English only.