

Subject:

Application of Proposed Revision of
Minimum Requirements of Fire
Extinguishing Media for Chemical
Tankers
(ANNEX to BCH 17/WP.9)

NK TECHNICAL INFORMATION

No. 69

Date: 1 April, 1988

To Owners and Shipbuilders concerned

BCH Sub-Committee of IMO considered at its 17th session the proposed amendments to column "1", concerning the effective fire extinguishing media listed, in the minimum requirements tabulated in chapter 17 of IBC Code (Res.MEPC 19(22)) and chapter VI of BCH Code (Res.MEPC 20(22)).

The proposed amendments were agreed by the BCH Sub-committee and circulated to Member Governments as the annex to BCH 17/WP.9.

We would like to inform you that Panamanian and Liberian Governments agree to apply, on the interim basis, the above proposed amendments of BCH 17/WP.9 to the chemical tankers flying the Panamanian and Liberian flags in advance of the final approval and adoption by the Maritime Safety Committee.

The proposed amendments show the effectiveness of the Multi-purpose foam fire extinguishing media in lieu of dry chemical powder or water spray system for the fire involved in certain chemical products.

And the proposed amendments would help the chemical tankers to carry more kinds of chemical substances than those with the existing fire fighting arrangement on board.

Should you have any question on this matter, please feel free to contact Hull Department of our Head Office.

* * * * *

Attachment. BCH 17/WP.9





SUB-COMMITTEE ON BULK
CHEMICALS - 17th session
Agenda item 10

IMO

REVIEW OF FOAM FIRE-FIGHTING REQUIREMENTS IN THE IBC AND BCH CODES

Report of a Drafting Group

- 1 As instructed by the Sub-Committee, a drafting group composed of representatives of Italy, the United Kingdom and the United States met to review the proposed amendment to column "1" in the IBC and BCH Codes concerning the effective fire-extinguishing media, as contained in the annex to BCH 17/10.
- 2 The proposed amendments to the annex to BCH 17/10, agreed by the drafting group, are shown in the annex.
- 3 The Sub-Committee is invited to approve such amendments and to submit them for endorsement by the Sub-Committee on Fire Protection, for final approval and submission to the Maritime Safety Committee for their adoption.

9176Y/jnt

ANNEX

REVISED COLUMN "1" IN THE SUMMARY OF MINIMUM REQUIREMENTS
CONTAINED IN CHAPTER 17/VI OF THE IBC/BCH CODE AS
SHOWN IN MEPC 22/21, ANNEXES 5 AND 6

1 This list does not include the products contained in the chapters mentioned above for which alcohol-resistant or multi-purpose foam ("A") is already recommended.

2 Only those products for which column "1" is amended are shown hereunder.

<u>Products</u>		<u>Proposed amendments</u>	
alkyl benzene sulphonic acid	amend	"B"	to "A,B" **
2-(2-aminoethoxy)ethanol	amend	"A,C,D"	to "A,D"
n-aminoethyl-piperazine	amend	"A,C,D"	to "A"
ammonia aqueous (28% or less)	amend	"C"	to "A,B,C"
ammonia sulphide solution (45% or less)	amend	"A,C"	to "A"
benzene and mixtures having 10% benzene content or more	amend	"B"	to "A,B"
benzenesulphonyl chloride	amend	"B,D"	to "A,B,D" **
benzyl chloride	amend	"B"	to "A,B"
butyl/decyl/cetyl/eicosyl methacrylate mixture	amend	"A,C,D"	to "A,D"
n-butyl ether	amend	"A,D"	to "A"
camphor oil	amend	"B"	to "A,B"
carbon disulphide	amend	"C"	to "A,B"
cashew nut shell oil (untreated)	amend	"B"	to "A,B"
cetyl/eicosyl methacrylate mixture	amend	"A,C,D"	to "A,D"
chlorobenzene	amend	"B"	to "A,B"
m-chlorotoluene	amend	"B,C"	to "A,B"
o-chlorotoluene	amend	"B,C"	to "A,B"
p-chlorotoluene	amend	"B,C"	to "A,B"
chlorotoluenes (mixed isomers)	amend	"B,C"	to "A,B"
creosote (wood)	amend	"B,D"	to "A,B,D" **
creosote (coal tar)	amend	"B,D"	to "A,B,D" **
cresols (mixed isomers)	amend	"B"	to "A,B"

** Changes to the base paper (BCH 17/10) are marked with two asterisks.

<u>Products</u>		<u>Proposed amendments</u>	
cyclohexylamine	amend	"A,D"	to "A,C" **
dibutylamine	amend	"B,D"	to "A,C,D" **
o-dichlorobenzene	amend	"B,D"	to "A,B,D"
1,1-dichloroethane	amend	"B"	to "A"
2,2-dichloroisopropyl ether	amend	"B,C,D"	to "A,B,C,D" **
2,4-dichlorophenol	amend	"B,C,D"	to "A"
1,2-dichloropropane	amend	"B"	to "A,B"
1,3-dichloropropane	amend	"B"	to "A,B"
1,3-dichloropropene	amend	"B"	to "A,B"
dichloropropene/dichloropropane mixtures	amend	"B,C,D"	to "A,B,D"
diethylethanolamine	amend	"A,D"	to "A,C" **
di-(2-ethylhexyl) phosphoric acid	amend	"B,C,D"	to "A,B,D" **
diethyl sulphate	amend	"A,D"	to "A"
diisobutylamine	amend	"B,D"	to "A,D"
dimethylamine solution (45% or less)	amend	"C,D"	to "A,C,D"
n,n-dimethylcyclohexylamine	amend	"A,C"	to "A,C" **
diphenylmethane diisocyanate	amend	"C ^C ,D"	to "A,B,C ^C ,D"
dodecyl methacrylate	amend	"A,C"	to "A"
dodecyl/pentadecyl/methacrylate mixture	amend	"A,C,D"	to "A,D"
n-ethylcyclohexylamine	amend	"A,C"	to "A"
ethylene chlorohydrin	amend	"D"	to "A,B,D" **
ethylene dichloride	amend	"B"	to "A,B"
ethylidene norbornene	amend	"B,C,D"	to "A,B,D" **
ethyl methacrylate	amend	"B,D"	to "A,B,D" **
isophorone diisocyanate	amend	"C ^C ,D"	to "A,B,D"
methyl acrylate	amend	"B"	to "A,B" **
2-methyl-6-ethyl aniline	amend	"B,C,D"	to "A,B,D" **
2-methyl-5-ethylpyridine	amend	"D"	to "A,B,D" **
2-methyl-2-hydroxy-3-butyne	amend	"A,C,D"	to "A,B,D" **
methyl methacrylate	amend	"B"	to "A,B" **
2-methyl pyridine	amend	"A,C"	to "A"
4-methyl pyridine	amend	"A,C,D"	to "A"
alpha-methylstyrene	amend	"D"	to "A,B,D"

** Changes to the base paper (BCH 17/10) are marked with two asterisks.

<u>Products</u>		<u>Proposed amendments</u>	
motor fuel anti-knock compounds	amend	"B,C"	to "A,B,C" **
nitrobenzene	amend	"D"	to "A,B,D" **
o-nitrochlorobenzene	amend	"B,C,D"	to "A,B,D"
o-nitrophenol, molten	amend	"A,C,D"	to "A,D"
nitropropane (60%)/nitroethane (40%) mixture	amend	"A,C ^B "	to "A"
(o- and p-)nitrotoluene	amend	"B"	to "A,B"
1,3-pentadiene	amend	"B"	to "A,B"
1-phenyl-1-xylyl ethane	amend	"B"	to "A,B"
phosphorus // yellow / or / white	amend	"C"	to "A,B,C" **
phthalic anhydride	amend	"D"	to "A,B,D" **
polymethylene polyphenyl isocyanate	amend	"C ^C ,D"	to "A,B" **
n-propylamine	amend	"C,D"	to "A,D"
sodium hydrosulphide ammonium sulphide solution	amend	"A,C"	to "A"
styrene monomer	amend	"B"	to "A,B"
tetrahydrofuran	amend	"A,D"	to "A"
toluenediamine	amend	"B,C,D"	to "A,B,D" **
toluenediisocyanate	amend	"C ^C ,D"	to "A,B,C ^C ,D" **
o-toluidine	amend	"A,C"	to "A"
1,2,4-trichlorobenzene	amend	"C"	to "A,B"
1,2,3-trichloropropane	amend	"B,C,D"	to "A,B,D"
triethylamine	amend	"B"	to "A,C" **
triethyl phosphite	amend	"A,D"	to "A,B" **
trimethylacetic acid	amend	"A,C"	to "A"
tritolyl phosphate (containing 1% or more ortho-isomer)	amend	"B"	to "A,B"
vinyl neodecanoate	amend	"B"	to "A,B"
vinyl toluene	amend	"D"	to "A,B"
xlenol	amend	"B"	to "A,B"

** Changes to the base paper (BCH 17/10) are marked with two asterisks.

EXPLANATORY NOTES

- A : alcohol-resistant foam or multi-purpose foam **
- B : regular foam, encompasses all foams that are not of an alcohol-resistant type, including fluoroprotein and aqueous-film-forming foam (AFFF)
- C : water-spray
- D : dry chemical*
- No: no special requirements under this Code

* dry chemical powder systems when used may require an additional water system for boundary cooling. This is normally provided in sufficient quantities by the standard fire main system required by regulation II-2/4 of the 1974 SOLAS Convention as amended.

** Changes to the base paper (BCH 17/10) are marked with two asterisks.
