



IMCO

INTERNATIONAL CONFERENCE ON
MARINE POLLUTION, 1973
Committee III
Agenda item 3

CONSIDERATION OF THE DRAFT TEXT OF ANNEX II
OF THE INTERNATIONAL CONVENTION FOR THE PREVENTION
OF POLLUTION FROM SHIPS, 1973

Report of the Working Group on Appendices

A Working Group consisting of delegations of Canada, Arab Republic of Egypt, Federal Republic of Germany, Netherlands, Norway, United Kingdom, the United States, and the Union of Soviet Socialist Republics and an Observer from Sweden, under the Chairmanship of Dr. M. Waldichuk, reviewed the Appendices and:

1. Agreed that reference to the Report of an Ad Hoc Panel of IMCO and GESAMP Experts may be helpful for future users. (Proposed revised Appendix I is attached hereto);
2. Identified certain substances in Appendices II and III for which brackets could be dropped and others for which additional information was noted in the Working Group and, therefore, it was considered necessary to review their hazard profiles prepared by the Panel;
3. Agreed that there are some editorial changes necessary in order to list the substances under the correct chemical names;

4. Developed a paper which lists all the information required for evaluation of environmental hazards of a new substance proposed to be carried. This paper is also attached hereto.

Appendices II and III as revised will be issued as an Addendum to this Report, as soon as possible.

APPENDIX I

GUIDELINES FOR CATEGORIZATION

Category A

Substances - Which are bioaccumulated and liable to produce a hazard to aquatic life or human health; or which are highly toxic to aquatic life (as expressed by a Hazard Rating 4: TLM less than 1 ppm); and additionally certain substances which are moderately toxic to aquatic life (as expressed by a Hazard Rating 3 or TLM greater than 1 and less than 10 ppm) when particular weight is given to additional factors in the hazard profile or to special characteristics of the substance.

Category B

Substances - Which are bioaccumulated with a short retention of the order to one week or less; or which are liable to produce tainting of the sea food; or which are moderately toxic to aquatic life (as expressed by a Hazard Rating 3: TLM greater than 1 and less than 10 ppm); and additionally certain substances which are slightly toxic to aquatic life (as expressed by a Hazard Rating 2: TLM greater than 10 and less than 100 ppm) when particular weight is given to additional factors in the hazard profile or to special characteristics of the substance.

Category C

Substances - Which are slightly toxic to aquatic life (as expressed by a Hazard Rating 2: TLM greater than 10 and less than 100 ppm); and additionally certain substances which are practically non-toxic to aquatic life (as expressed by a Hazard Rating 1: TLM greater than 100 and less than 1,000 ppm) when particular weight is given to additional factors in the hazard profile or to special characteristics of the substance.

Other Liquid Substances (For the purposes of Regulation 4 of this Annex)

Substances - Other than those categorized in Categories A, B and C above.

Note: Various terms and ratings used above correspond directly to those used by an Ad Hoc Panel of INCO and GESAMP Experts (cf. MP/CONF/INF.5 (GESAMP IV/19/Supp.1)).

INFORMATION ON A NEW SUBSTANCE TO BE TRANSPORTED BY SHIPS FOR THE EVALUATION
OF ITS ENVIRONMENTAL HAZARDS

1. Correct chemical name:
(Trade Name(s))
2. Chemical formula:
3. Physical properties:
 - (a) Boiling point:°C
 - (b) Melting point:°C
 - (c) Specific gravity:
 - (d) Vapour pressure:Kg/cm² at 37.8°C
 - (e) Solubility in water:.....mg/l at 20°C
 - (f) Viscosity
 - (g) Odour (qualitative description).....
 - (h) Colour:
4. Chemical and biochemical properties:
 - (a) Chemical stability (oxidation, reduction, UV light)
 - (b) Reactivity with sea water:
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 - (c) Biodegradability:
 - (d) Chemical oxygen demand (COD)/5-day Bio-chemical oxygen demand (BOD)₅.....mg/l(20°C)
 - (e) Biotransformation (where known) ..
 - (f) Polymerizability under exposure to the atmosphere and sunlight:
 - (g) Lipid solubility:
5. Bioaccumulation by marine organisms (cf. GESAMP IV/19/Supp.1, paras. 23-26):
 - (a) Rate and level of uptake and retention of substances:
 - (b) Tainting effects:
 - (c) Colour and other appearances changes:

6. Other damage to marine living resources (cf. GESAMP IV/19/Supp.1, paras. 27-30) Toxicity (TLm₉₆):.....ppm.
.....
7. Hazard to human health (cf. GESAMP IV/19/Supp.1, paras. 31-34, 37)
 - (a) By oral intake:mg/kg (LD₅₀)
 - (b) By skin contact and inhalation:.....
.....
8. Effect on amenities (cf. GESAMP IV/19/Supp.1, paras 38-42):
.....
9. Additional remarks (briefly describe test conditions for items 5, 6 and 7 above).

Note: Approved standard method should be used where possible.
