

**ANNEX 1**

**RESOLUTION MEPC.270(69)  
(Adopted on 22 April 2016)**

**AMENDMENTS TO THE ANNEX OF THE INTERNATIONAL CONVENTION FOR THE  
PREVENTION OF POLLUTION FROM SHIPS, 1973, AS MODIFIED BY THE  
PROTOCOL OF 1978 RELATING THERETO**

**Amendments to MARPOL Annex II**

**(Revised GESAMP Hazard Evaluation Procedure)**

THE MARINE ENVIRONMENT PROTECTION COMMITTEE,

RECALLING Article 38(a) of the Convention on the International Maritime Organization concerning the functions of the Marine Environment Protection Committee conferred upon it by international conventions for the prevention and control of marine pollution from ships,

NOTING article 16 of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL), which specifies the amendment procedure and confers upon the appropriate body of the Organization the function of considering and adopting amendments thereto,

HAVING CONSIDERED, at its sixty-ninth session, proposed amendments to Appendix I of MARPOL Annex II concerning the abbreviated legend to the revised GESAMP Hazard Evaluation Procedure,

1 ADOPTS, in accordance with article 16(2)(d) of MARPOL, amendments to Appendix I of MARPOL Annex II, the text of which is set out in the annex to the present resolution;

2 DETERMINES, in accordance with article 16(2)(f)(iii) of MARPOL, that the amendments shall be deemed to have been accepted on 1 March 2017 unless prior to that date, not less than one third of the Parties or Parties the combined merchant fleets of which constitute not less than 50% of the gross tonnage of the world's merchant fleet, have communicated to the Organization their objection to the amendments;

3 INVITES the Parties to note that, in accordance with article 16(2)(g)(ii) of MARPOL, the said amendments shall enter into force on 1 September 2017 upon their acceptance in accordance with paragraph 2 above;

4 REQUESTS the Secretary-General, for the purposes of article 16(2)(e) of MARPOL, to transmit certified copies of the present resolution and the text of the amendments contained in the annex to all Parties to MARPOL;

5 REQUESTS FURTHER the Secretary-General to transmit copies of the present resolution and its annex to Members of the Organization which are not Parties to MARPOL.

ANNEX

**AMENDMENTS TO MARPOL ANNEX II  
(Revised GESAMP Hazard Evaluation Procedure)**

**ANNEX II**

**REGULATIONS FOR THE CONTROL OF POLLUTION BY  
NOXIOUS LIQUID SUBSTANCES IN BULK**

**Appendix I**

**Guidelines for the categorization of noxious liquid substances**

The tables under the title "Abbreviated legend to the revised GESAMP Hazard Evaluation Procedure" are replaced with the following:

**The Revised GESAMP hazard evaluation procedure**

Columns A & B Aquatic environment					
rating	A Bioaccumulation and biodegradation		B Aquatic toxicity		
	A 1 Bioaccumulation		A 2 Biodegradation	B 1 Acute toxicity LC/EC/IC50 (mg/l)	B 2 Chronic toxicity NOEC (mg/l)
	log Pow	BCF			
0	<1 or >ca.7	no measurable BCF	<b>R:</b> readily biodegradable	>1000	>1
1	≥1 - <2	≥1 - <10	<b>NR:</b> not readily biodegradable	>100 - ≤1000	>0.1 - ≤1
2	≥2 - <3	≥10 - <100		>10 - ≤100	>0.01 - ≤0.1
3	≥3 - <4	≥100 - <500		>1 - ≤10	>0.001 - ≤0.01
4	≥4 - <5	≥500 - <4000		>0.1 - ≤1	≤0.001
5	≥5 - <ca.7	>4000		>0.01 - ≤0.1	
6				≤0.01	

Columns C & D Human health (toxic effects to mammals)						
rating	C Acute mammalian toxicity			D Irritation, corrosion and long-term health effects		
	C1 Oral toxicity LD <sub>50</sub> /ATE (mg/kg)	C2 Dermal toxicity LD <sub>50</sub> /ATE (mg/kg)	C3 Inhalation toxicity LC <sub>50</sub> /ATE (mg/l)	D1 Skin irritation & corrosion	D2 Eye irritation & corrosion	D3 Long-term health effects
0	>2000	>2000	>20	not irritating	not irritating	<b>C</b> - Carcinogenic
1	>300 - ≤2000	>1000 - ≤2000	>10 - ≤20	mildly irritating	mildly irritating	<b>M</b> - Mutagenic
2	>50 - ≤300	>200 - ≤1000	>2 - ≤10	irritating	irritating	<b>R</b> - Reprotoxic
3	>5 - ≤50	>50 - ≤200	>0.5 - ≤2	severely irritating or corrosive  <b>3A</b> Corr. (≤4hr) <b>3B</b> Corr. (≤1hr) <b>3C</b> Corr. (≤3min)	severely irritating	<b>Ss</b> - Sensitising to skin <b>Sr</b> - Sensitising to respiratory system <b>A</b> - Aspiration hazard <b>T</b> - Target Organ Toxicity <b>N</b> - Neurotoxic <b>I</b> - Immunotoxic
4	≤5	≤50	≤0.5			

Column E Interference with other uses of the sea			
E1 Tainting	E2 Physical effects on wildlife & benthic habitats	E3	
		Numerical rating	Interference with Coastal Amenities
<b>NT</b> : not tainting (tested) <b>T</b> : tainting test positive	<b>Fp</b> : Persistent Floater <b>F</b> : Floater  <b>S</b> : Sinking Substances	0	no interference <b>no warning</b>
		1	slightly objectionable <b>warning, no closure of amenity</b>
		2	moderately objectionable <b>possible closure of amenity</b>
		3	highly objectionable <b>closure of amenity</b>

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