

ANNEX IV

APPENDIX II

GUIDELINES FOR THE CATEGORIZATION OF
NOXIOUS LIQUID SUBSTANCES*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, defined by a TLM less than 1 ppm); and additionally certain substances which are moderately toxic to aquatic life (as expressed by a Hazard Rating 3, defined by a TLM of 1 or more, but 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 of 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, defined by a TLM of 1 ppm or more, but less than 10 ppm); and additionally certain substances which are slightly toxic to aquatic life (as expressed by a Hazard Rating 2, defined by a TLM of 10 ppm or more, but 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, defined by a TLM of 10 or more, but less than 100 ppm); and additionally certain substances which are practically non-toxic to aquatic life (as expressed by a Hazard Rating 1, defined by a TLM of 100 ppm or more, but less than 1.000 ppm) when particular weight is given to additional factors in the hazard profile or to special characteristics of the substance.

Category D

Substances which are practically non-toxic to aquatic life, (as expressed by a Hazard Rating 1, defined by a TLM of 100 ppm or more, but less than 1.000 ppm); or causing deposits blanketing the seafloor with a high biochemical oxygen demand (BOD); or highly hazardous to human health, with an LD₅₀ of less than 5mg/kg; or produce moderate reduction of amenities because of persistency, smell or poisonous or irritant characteristics, possibly interfering with use of beaches; or moderately hazardous to human health, with an LD₅₀ of 5mg/kg or more, but less than 50 mg/kg and produce slight reduction of amenities.

Other Liquid Substances (for the purposes of Paragraph C of Regulation 5)

Substances other than those categorized in Categories A, B, C, and D above.

ANNEX IV

APPENDIX III

LIST OF NOXIOUS LIQUID SUBSTANCES
CARRIED IN BULK

Substance	UN Number	Pollution Category for operational discharge (Paragraph B of Regulation 5)	Residual concentration (per cent by weight)	
			I	II III IV
Acetaldehyde	1089	C		
Acetic acid	1842	C		
Acetic anhydride.....	1715	c		
Acetone	1090	D		
Acetone cyanohydrin.....	1541	A		0.05
Acetyl chloride	1717	C		
Acrolein	1092	A		0.05
Acrylic acid*	—	C		
Acrylonitrile.....	1093	B		
Adiponitrile	—	D		
Alkylbenzene sulfonate (straight chain)	—	C		
(branched chain)	—	B		
Allyl alcohol.....	1098	B		
Allyl chloride.....	1100	c		
Alum (15 % solution).....	—	D		
Aminoethylethanolamine (Hydroxyethyl-ethylenedi- amine)*	—	D		
Ammonia (28% aqueous)	1005	B		
iso-Amyl acetate.....	1104	C		
n-Amyl acetate	1104	C		
n-Amyl alcohol	—	D		
Aniline	1547	C		
Benzene	1114	C		
Benzyl alcohol.....	—	D		
Benzyl chloride	1738	B		
n-Butyl acetate	1123	D		
sec-Butyl acetate	1124	D		
n-Butyl acrylate	—	D		
Butyl butyrate*	—	B		
Butylene glycol (s)	—	D		
Butyl methacrylate.....	—	D		
n-Butyraldehyde	1129	B		
Butyric acid	—	B		
Calcium hydroxide (solution) ..	—	D		
Camphor oil	1130	B		"
Carbon disulphide	1131	A		0.005
Carbon tetrachloride	1846	B		

* Asterisk indicates that the substance has been provisionally included in this list and that further data are necessary in order to complete the evaluation of its environmental hazards, particularly in relation to living resources.