



Ref. T5/5.01

MEPC.2/Circ.6
17 December 2000

PROVISIONAL CATEGORIZATION OF LIQUID SUBSTANCES

1 Introduction

1.1 This circular is issued in accordance with regulation 3(4) of Annex II to MARPOL 73/78 and sub-paragraph 2A.1.8 of its unified interpretation, replacing all previously issued circulars under this title.

2 Lists of annexes

2.1 Annexes 1 to 4 provide lists of noxious liquid substances (NLS) with associated categories and minimum carriage requirements which have been established through Tripartite Agreements and registered with the Secretariat in accordance with the regulation and unified interpretation referred to above. Annexes 5 to 11 are intended to facilitate the reporting of Tripartite Agreements and the interpretation of abbreviations used in annexes 1 to 4.

- annex 1:** List 1: Pure or technically pure substances;
- annex 2:** List 2: Pollutant only mixtures classified by calculation or assessed as a mixture;
- annex 3:** List 3: Trade-named substances with safety hazards;
- annex 4:** List 4: Pollutant only mixtures with >3% unassessed components;
- annex 5:** Country abbreviations (Part 1: Code/Country; Part 2: Country/Code);
- annex 6:** Oil-like substances;
- annex 7:** Substances not shipped in pure form but as components in mixtures;
- annex 8:** Tripartite contact addresses;
- annex 9:** Manufacturers authorized to conduct pollutant-only assessments by calculation;
- annex 10:** Lube-oil additives;

annex 11: Hydrocarbon families; and

annex 12: Cleaning additives

3 Observations related to the annexes

3.1 Language

3.1.1 As seen in the lists, most products are trade-named substances under N.O.S. entries. Since tradenames are not translated, the products are entered as notified and the lists are issued in English only.

3.2 Country Codes (annex 5)

3.2.1 While the list of country abbreviations is based for the most part on the telex abbreviation for each country, certain countries, for example, Liberia, Panama and the United States, are listed differently as LI, PA and US. Since the lists have been issued previously using these abbreviations, it is considered advisable to keep those same abbreviations. These codes are listed in annex 5: Part 1 of that annex showing Code/Country and Part 2 showing Country/Code.

3.3 Shading

3.3.1 Amendments to the Tripartite Lists (annexes 1 to 4) are identified by shading the field in which the change has been made.

3.4 Cleaning additives (annex 12)

3.4.1 The Marine Environment Protection Committee, at its thirty-third session, adopted amendments to the Standards for Procedures and Arrangements for the Discharge of Noxious Liquid Substances which included restriction on the types of detergents used in tank washing as follows:

1.8.2 When small amounts of detergents are added to water in order to facilitate tank washing, no detergents containing pollution category A components should be used except those components that are readily biodegradable and present in a total concentration of less than 10%. No restrictions additional to those applicable to the tank due to the previous cargo should apply.

3.4.2 These amendments were implemented as of 1 July 1996, chemical tankers will therefore only be able to use those detergent products (additives to water for purposes of cleaning) evaluated and approved by the Organization.

3.4.3 The first list of cleaning additives, which were evaluated by the BLG Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals (ESPH) and found to meet the requirements of paragraph 1.8.2 of the P & A Standards, was attached to MEPC/Circ.305. Subsequent evaluations of other cleaning additives have been issued under MEPC/Circ.305/Add.1, 2 and 3.

3.3.4 Starting with this circular, those cleaning additives evaluated by the ESPH Working Group will be consolidated into annex 12 of the MEPC.2/Circulars making MEPC/Circ.305 and its additions, redundant.

4 Notification of new entries

4.1 Guidelines for the provisional assessment of liquids transported in bulk are set out in MEPC/Circ.265 of 6 April 1993. When notifying the Secretariat of any provisional assessment made under Tripartite Agreement, Administrations are requested to:

- .1 specify whether in list 1, 2, 3 or 4; and**
- .2 provide all relevant data to be included in the circular.**

4.2 As the majority of products notified are classified by the calculation method and are candidates for list 2, it is particularly important to provide the information to IMO in a format that will facilitate efficient and accurate transfer to the database used to generate the various lists included in this circular.

4.3 For hard copies, the preferred method is to notify one product per page in the following format:

Reporting Country :
 Manufacturer :
 Tradename :
 List Number :

Contains Name :
 Pollution Category (Cat) :
 Ship Type (ST) :
 N.O.S Number :

Melting Point (°C) (Mpt) :
 Flash Point (°C) (Fpt) :
 Viscosity @ 20 °C(mPa.s) (V₂₀) :

4.4 Alternatively, if several products are being notified together, a table produced in the following format would be acceptable:

Rep. Country	Manufacturer	Tradename	ListNo.	Contains	Cat	ST	nos	Mpt °C	Fpt °C	V ₂₀ mPa.s

Note: While this table may appear to be cramped, use of landscape format would solve the problem.

Note: Incomplete data on a substance will result in the entry for its provisional assessment being delayed while the application is returned to the originator.

4.5 For products being notified as candidates for Lists 1, 3 or 4, the format shown in annex 7 to MEPC/Circ.265 is preferred.

4.6 While stressing the importance of correct data being supplied to the Secretariat, it should be noted in particular that, when proposing a product for lists 2 and 4, the component responsible for the greatest pollution potential, following the word "Contains" in the Shipping Name, should be identified. Such component is that with the highest value obtained from % x pollution factor. In the event of there being more than one component with equal highest scores, discretion may be used in deciding whether one or both should be identified (see MEPC/Circ.265). The name of the substance should be one of those appearing in chapters 17 or 18 of the IBC Code or those in lists 1 or 7 of this circular.

4.7 It should also be pointed out that it is essential that the proper technical name be used for the purposes of shipping documentation. When shipping a pollution hazard only mixture, the appropriate n.o.s. entry in the IBC Code, together with the tradename and substance contained, would form the proper shipping name. For example if the trade name is IMO 1234 and it contains "Zinc alkyl dithiophosphate (C3-C14)" as the component with the greatest pollution potential, then the correct shipping name would be:

**Noxious liquid, N.F., (15) n.o.s. (IMO 1234 contains Zinc alkyl dithiophosphate (C3-C14)),
S.T. 3, Cat. C**

4.8 The Master of a type 3 ship certified fit to carry n.o.s. 15 products would then know that he can accept the cargo without concern as to fire, toxicity and other safety hazards and that, in the event of an accidental spill, he could report the name of the substance responsible for the pollution to the coastal State authorities.

5 Tripartite contact addresses

5.1 The IMO Secretariat is constantly being asked for additional addresses for focal points dealing with Tripartites within Administrations. It would therefore be appreciated if Administrations could verify that information included in annex 8 of this circular is correct and supply any useful additional information, for example, e-mail addresses. The Secretariat has only been supplied with the addresses listed, those Administrations not as yet having supplied any focal point address are therefore requested to do so.

IMO Tripartite Agreement List 1 - Pure and technically pure substances
Potential entries to the IBC Code

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I	I'	I''	J	K	L	M	N	O
Alcohol (C9-C11) poly (2.5-9) ethoxylate	G	All countries	21/04/95	None	B	P	3	2G	Open	No			Yes	O	No	A		No	15.19.6, 16.2.6
Alkenyl (C16-C20) succinic anhydride	US	All countries	06/07/98	None	D	S	3	2G	Cont	No			Yes	C	T	No		E	15.12, 15.17, 15.19
Alkylaryl phosphate mixtures (more than 40% Diphenyl tolyl phosphate, less than 0.02% ortho-isomers)	D	All countries	28/09/98	None	A	S/P	1	2G	Cont	No	T1	IIA	Yes	C	T	ABC		No	15.12, 15.17, 15.19
Alkylated (C4-C9) phenols	US	AR, AA, BS, B, BR, CA, CN, DK, F, D, HX, I, K, LI, NL, N, PA, RS, SA, E, S, CH, TR, G	08/06/00	17/12/03	B	P	3	2G	Open	No			Yes	O	No	B	Non e	No	15.19.6, 16.2.6, 16.2.9
Alkyl (C11-C17) benzene sulphonic acid				None	B	S/P	3	2G	Open	No			Yes	O	No	A		No	16.2.7, 16.2.8
Alkylbenzene sulphonic acid, sodium salt solution		All countries		None	C	P	3	2G	Open	No			Nf	O	No	No		No	16.2.7 to 16.2.9
Alkyl dimethyl hydroxyethyl ammonium chloride solution (40%)	US	BS, BR, LI, NL, RS	14/04/00	17/12/03	A	S/P	2	2G	Open	No			Yes	O	No	Non e	Non e	No	15.12.3, 15.19
Alkyl dithiocarbamate (C19-C35)	US	J, LI, N, PA, RS, G	12/09/97	17/12/01	D		NA												
Alkyl ester copolymer (C4-C20)	US	All countries	21/04/95	None	D		NA												
Alkyl (C8-C10)/(C12-C14):(40% or less/60% or more) polyglucoside solution (55% or less)	D	All countries	23/09/96	None	B	P	3	2G	Open	No			Yes	O	No	No		No	15.19.6, 16.2.6, 16.2.9
Alkyl (C8-C10)/(C12-C14):(60% or more/40% or less) polyglucoside solution(55% or less)	D	All countries	23/09/96	None	C	P	3	2G	Open	No			Yes	O	No	No		No	16.2.7, 16.2.9
Alkyl (C8-C40) phenol sulphide	US	All countries	23/09/96	None	D		NA												
Alkyl (C8-C9) phenylamine in aromatic solvents	US	All countries	21/04/95	None	A	P	3	2G	Cont	No			No	R	F	A		No	15.19.6
Alkyl (C9-C15) phenyl propoxylate	US	All countries	14/01/99	None	III		NA												
Alkyl (C8-C10)/(C12-C14):(50%/50%) polyglucoside solution (55% or less)	D	All countries	23/09/96	None	C	P	3	2G	Open	No			Yes	O	No	No		No	16.2.7, 16.2.9
Alkyl (C12-C14) polyglucoside solution (55% or less)	D	All countries	23/09/96	None	B	P	3	2G	Open	No			Yes	O	No	No		No	15.19.6, 16.2.6, 16.2.9
Alkyl (C8-C10) polyglucoside solution (65% or less).	D	All countries	23/09/96	None	C	P	3	2G	Open	No			Yes	O	No	No		No	16.2.7, 16.2.9
Alkyl(C10-C20, saturated and unsaturated) phosphite	US	All countries	21/04/95	None	C	P	3	2G	Open	No			Yes	O	No	A		No	
Alkyl sulphonic acid ester of phenol	D	All countries	07/11/90	None	III		NA												
amine C-6, morpholine process residue	US	B, N	05/12/00	17/12/03	C	S/P	3	2G	Open	No			Yes	Open	No	ACD N2		No	15.16.1, 16.2.7, 16.2.9
2-Amino-2-methyl-1-propanol	US	All countries	26/12/96	None	D		NA												
tert-Amyl methyl ether	US	All countries	07/12/95	None	C	P	3	2G	Cont	No	T3		No	R	F	A		No	15.19.6
Barium long chain (C11-C50) alkaryl sulphonate	US	All countries	06/07/98	None	B	S/P	2	2G	Open	No			Yes	O	No	AD		No	15.12.3, 15.19, 16.2.6
bis (Hydrogenated tallow alkyl) methylamines	US	LI, BR, MW, N, PA	13/03/97	17/12/01	C	S/P	3	2G	Open	No			Yes	Open	No	No		No	16.2.7, 16.2.8, 16.2.9
N,N-bis(2-hydroxyethyl) oleamide	US	All countries	21/04/95	None	B	P	2	2G	Cont	No			No	R	F	A		No	15.19.6, 16.2.6, 16.2.9, 16A.2.2

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Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I	I''	I'''	J	K	L	M	N	O
Dithiocarbamate ester (C7-C35)	US	All countries	06/07/98	None	A	P	2	2G	Open	No			Yes	O	No	AD	No	15.19.6	
tert-Dodecanethiol	US	B, NL, N, BS, GR, LI, PA, CN, G	27/05/98	17/12/01	A	P	2	2G	Cont	No			Yes	R	No	No	No	15.19.6	
Dodecenylsuccinic acid, dipotassium salt solution				None	III		NA												
Dodecyl hydroxypropyl sulphide	US	All countries	23/09/96	None	A	P	1	2G	Open	No			Yes	O	No	A	No	15.19	
Dodecyl/Octadecyl methacrylate (mixture D)		All countries	01/08/91	None	D	S	3	2G	Open	No			Yes	R	No	A,D	N4	No	15.13, 16.6.1, 16.6.2
Dodecyl-, Tetradecyl-, Hexadecyl-dimethylamine mixture	US	B, LI, NL, N, G, PA	10/06/99	17/12/02	A	S/P	2	2G	Open	No			Yes	Open	No	B, C, D	N4	No	15.19.6
Ethoxylated long chain (C16+) alkyloxvalkylamine	US	All countries	21/04/95	None	D		NA												
Ethoxylated tallow alkyl amine	US	BS, BR, LI, N, PA, RS	17/08/00	17/12/03	B	P	3	2G	Open	No			Yes	O	No	A	None	No	16.2.6, 16.2.8, 16.2.9
Ethoxylated tallow amine, glycol mixture	US	AA, N	10/05/99	17/12/02	B	S/P	2	2G	Open	No			Yes	Open	No	A, C, D	N1	No	15.12.1, 15.16.1, 15.19.6
Ethyl tert-butyl ether	US	All countries	04/02/93	None	C	P	3	2G	Cont	No			No	R	F	A	No	15.19.6	
S-Ethyl dipropylthiocarbamate	US	All countries	07/04/97	None	C	P	3	2G	Open	No			Yes	Open	No	A	No		
2-Ethylhexyl esters of fatty acids	NL	N, (NG)	15/06/00	17/12/03	D		NA												
N-Ethylmethylallylamine	US	NL, BS, B, I, LI, PA, RS, N, G	16/10/98	17/12/01	B	S/P	2	2G	Cont	No			No	C	F	A	N1	E	15.19
Glycolic acid solution (70% or less)	US	All countries	10/01/97	None	D	S	3	2G	Open	No	-	-	NF	O	No	No	No	No	15.19.6
Glyoxylic acid solution (50 % or less)	F	All countries	27/03/95	None	D	S	3	2G	Open	No			Yes	O	No	ACD	Y5	No	15.11.2-15.11.4, 15.11.6-15.11.8, 15.16.1, 16.6.1 to 16.6.3
Glyphosate solution (not containing surfactant)	US	All countries	21/05/95	None	D		NA												
1-Hexadecylnaphthalene / 1,4-bis(hexadecyl)naphthalene mixture	US	All countries	06/07/98	None	III		NA												
Hexamethylenediamine (molten)	G	All countries	01/07/92	None	C	S/P	2	2G	Cont	No			Yes	C	T	C	N1	E	15.12, 15.17, 15.18, 15.19.6, 16.2.7, 16.2.9
Hexamethylene diisocyanate	D	All countries	01/11/95	None	B	S/P	2	1G	Cont	Dry	T1	IIB	Yes	C	T	A, C(c), D	Y4	E	15.12, 15.17, 15.16.2, 15.18, 15.19
1,6-Hexanediol, distillation overheads	US	AA, BS, CL, LI, PA, RS	16/06/99	17/12/00	C	P	2	2G	Open	No			Yes	O	No	A	No		
Isobutyl methacrylate	F		05/07/99	17/12/02	D		NA	2G	Cont	Open		IIA	No	R	F-T	AD	No	15.13, 15.19.6, 16.6.1, 16.6.2	
Isobutyric acid	D	NL, US, B, N	21/12/98	17/12/02	D	S	2	2G	C	No				C	T	A, C	Y5	E	15.11.2 to 15.11.4, 15.11.6 to 15.11.8, 15.16.1, 15.17, 15.19
Isophorone				None	C	S/P	3	2G	Cont	No			Yes	R	No	A	No		
Isopropyl acetate				None	(D)		NA												
N-isopropyl hydroxylamine (15%)	US	BS, BR, LI, N, PA, RS	23/07/99	17/12/02	B	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6	
Lecithin	US	All countries	21/07/93	None	III		NA												
Liquid Streptomyces solution	US	AR, BS, BR, CO, ED, LI, N, PA, RS, VC	27/12/99	17/12/03	III		NA												
Long chain alkyl (C13+) salicylic acid	NL	AR, D, LI, N, F	31/08/00	17/12/03	A	P	2	2g	Open	No			Yes	O	No	A	No	15.19.6	

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Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I	I'	I''	J	K	L	M	N	O
L-Lysine solution (60% or less)	US	All countries	01/05/97	None	D		NA												
Magnesium nitrate solution (66.7%)	US	BS, LI, N, PA, RS, VC	31/12/97	17/12/01	D		NA												
Methacrylic resin in Ethylene dichloride				None	D	S	2	2G	Cont	No	T2	IIA	No	R	F-T	A,B	N4	No	15.19, 16.2.6
Methyl amyl ketone				None	B	P	3	2G	Cont	No			No	R	F	A		No	15.19.6
2-Methyl-2-hydroxy-3-butyne				None	D	S	3	2G	Cont	No		IIA	No	R	F-T	A,B,	N6		15.19.6
																D			
2-Methyl-1,3-propanediol	US	All countries	07/12/95	None	III		NA												
3-(methylthio)propionaldehyde	D+B	All countries	06/07/98	None	B	S/P	3	2G	Cont	No	T3	IIA	Yes	C	T	BC	Y5	E	15.12, 15.17, 15.19
Microsilica slurry	US	BS, LI, NL, N, PA	08/12/98	17/12/01	III		NA												
Morpholine				None	C	S/P	3	2G	Cont	No	T2	IIA	No	R	F	A	N2,	No	15.19.6
																Z			
Nitroethane	US	All countries	06/07/98	None	D	S	3	2G	Cont	No		IIB	No	R	F-T	A(u)	N4	No	15.16.1, 15.19.6, 16.6.1, 16.6.2, 16.6.4
Nitroethane, 1-Nitropropane (each 15% or more) mixture	US	All countries	07/12/95	None	(D)	S	3	2G	Cont	No			No	R	F-T	A(u)	N4	No	15.16.1, 15.19.6, 16.6.1 to 16.6.3
Nonyl alcohol (all isomers)				None	B	P	3	2G	Open	No			Yes	O	No	A		No	15.19.6
Nonylphenol poly(4+)ethoxylate	NL	All countries	19/02/92	None	B	P	3	2G	Open	No			Yes	O	No	A		No	15.19.6, 16.2.6, 16.2.9, 16A.2.2(aa)
Octyl aldehydes				None	B	P	3	2G	Cont	No			No	R	F	A		No	15.19.6, 16.2.9
Paraldehyde-ammonia reaction product	US	All countries	07/06/98	None	C	S/P	2	2G	Cont	No			No	C	F-T	A	N1	No	15.12.3, 15.19
n-Pentanoic acid (64%)/2-Methyl butyric acid (36%) mixture	US	All countries	07/12/95	None	D	S	2	2G	Open	No	T2		Yes	C	No	A,D	Y1	No	15.11.2, to 15.11.4, 15.11.6 to 15.11.8, 15.12.3, 15.19
Phosphate esters, alkyl (C12-C14) amine	US	All countries	23/09/96	None	B	P	3	2G	Cont	No			No	R	F	A		No	15.19.6
Piperazine, Amine solution	US	IN, MW, VQ, D, LI, NL, N, G, BS, PA, RS	19/05/99	17/12/02	C	S/P	2	2G	Cont	No			Nf	R	T	A	N2	No	15.19.6, 16.2.7, 16.2.9
Polyalkyl (C10-C20) methacrylate	D	All countries	21/09/94	None	D		NA												
Polyalkyl (C10-C18) methacrylate/ethylene-propylene copolymer mixture	D	All countries	28/09/98	None	D		NA												
Polyether glycol (mw 1350-1450)	US	BS, K, NL, N, LI, PA, RS	04/02/97	17/12/01	B	P	3	2G	Open	No			Yes	Open	No	A		No	15.19.6, 16.2.6, 16.2.9, 16A.2.2
Polyether glycol (mw 1900-2100)	US	BS, K, NL, N, LI, PA, RS	04/02/97	17/12/01	B	P	3	2G	Open	No			Yes	Open	No	A		No	15.19.6, 16.2.6, 16.2.9, 16A.2.2
Polyether glycol (mw 2825-2975)	US	BS, K, NL, N, LI, PA, RS	04/02/97	17/12/01	B	P	3	2G	Open	No			Yes	Open	No	A		No	15.19.6, 16.2.6, 16.2.9, 16A.2.2
Polyether glycol (mw 600-700)	US	BS, K, NL, N, LI, PA, RS	04/02/97	17/12/01	B	P	3	2G	Open	No			Yes	Open	No	A		No	15.19.6, 16.2.6, 16.2.9, 16A.2.2
Poly(iminoethylene)-graft-N-poly(ethyleneoxy) solution (90% or less)	J	US, LI	12/08/99	17/12/02	III		NA												
Polyisobutenamine in aliphatic solvent	NL	All countries	06/07/98	None	C	P	3	2G	Open	No	T3	IIA	Yes	O	No	A		No	16.2.8
Polyisobutenyl anhydride adduct	US	All countries	23/09/96	None	III		NA												
Polyolefin amide alkeneamine (C17+)	US	All countries	03/03/94	None	D		NA												
Polyolefinamine (C28-C250)	US	All countries	06/09/94	None	C	P	3	2G	Open	No			Yes	O	No	A		No	

IMO Tripartite Agreement List 1 - Pure and technically pure substances

Potential entries to the IBC Code

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I	I'	I''	J	K	L	M	N	O
Polyolefin aminoester salt	US	All countries	06/07/98	17/12/01	(C)	P	3	2G	Open	No			Yes	O	No	A		No	16.2.7, 16.2.8
Poly(tetramethylene ether)glycols (mw 950-1050)	US	All countries	06/07/98	None	B	P	3	2G	Open	No			Yes	O	No	AD		No	15.19.6, 16.2.6, 16.2.9, 16A.2.2
Poly(tetramethylene ether)glycols (mw 950-1050)	G	NL, N, K	04/05/00	17/12/03	C	P	3	2g	Open	No			Yes	O	No	A,D		No	16.2.7, 16.2.9
Potassium chloride solution (10% or more)				None	III			NA											
Potassium salt of polyolefin acid	G	All countries	07/02/95	None	III			NA											
Potassium thiosulphate (50% or less)	US	All countries	13/10/97	None	C	P	3	2G	Open	No			Nf	O	No	No		No	
Propylene carbonate	US	All countries	06/07/98	None	III			NA											
Propylene glycol phenyl ether	US	All countries	31/07/92	None	D	P		NA											
Pyrolysis gasoline	G	All countries	13/10/97	None	B	S/P	3	2G	Cont	No	T1	IIA	No	C	F-T	A,B		No	15.12.1, 15.17, 15.19.6, 16.29
Rape seed oil fatty acid methyl esters	D		03/03/00	None	D			NA											
Sodium borohydride (15% or less)/Sodium hydroxide solution				None	D	S	3	2G	Open	No			Nf	O	No	No	N1	No	16.2.7
Sodium hydroxide solution in polypropylene glycols	NL	US	18/03/98	17/12/01	D	S	3	2G	Open	No			Yes	O	No	No	N8	No	
Sodium silicate solution		All countries		None	C	P	3	2G	Open	No			Nf	O	No	No		No	
Sorbitan monooleate	G	US, NL, N, SA	17/12/97	17/12/01	III			NA											
Sulphonated polyacrylate solution	US	All countries	17/04/89	None	D			NA											
Sulphurized fat (C14-C20)	US	All countries	23/09/96	None	D			NA											
Sulphurized polyolefinamide alkene (C20-C250) amine	US	All countries	23/09/96	None	D			NA											
Tetraethyl silicate monomer/oligomer (20% in ethanol)	B	All countries	31/08/99	None	III			NA											
Titanium dioxide slurry	US	All countries	23/09/96	None	III			NA											
1,2,3-Trichlorobenzene (molten)	US	All countries	06/07/98	None	A	S/P	1	2G	Cont	No			Yes	C	T	A, C, D		E	15.12.1, 15.17, 15.19, 16.2.9
Triethylene glycol dibenzoate (technical)	US	BS, GR, LI, NL, N, PA, VQ, G	29/03/99	17/12/02	[D]			NA											
Triethylphosphite				None	B	S/P	3	2G	Cont	No			No	R	F-T	A,B		No	15.12.1, 15.19.6
Trimethyl phosphite				17/12/03		S	3	2G	Cont	No			No	R	F-T	A,D		No	15.12.1, 15.16.2, 15.19.6
Urea/Ammonium mono- and di-hydrogen phosphate/Potassium chloride solution				None	D			NA											
Xylenes/ethylbenzene (10% or more) mixture	G	All countries	13/10/97	None	B	P	3	2G	Cont	No			No	R	F	A		No	15.19.6
Zinc alkenyl carboxamide	US	All countries	22/07/91	None	D	P		NA											

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
Acropol 91	11 Nonyl alcohol and Undecyl alcohol	US	11/07/89	B	3		Exxon
ADIBIS 1664B	15 Zinc alkyl dithiophosphate (C3-C14)	US	30/06/99	C	3	High viscosity	Lubrizol
ADX 1175A	11 Zinc alkyl dithiophosphate (C3-C14)	G	03/10/95	B	3	High viscosity	Bp
ADX 1175B	11 Zinc alkyl dithiophosphate (C3-C14)	G	05/10/95	B	3	High viscosity	Bp
ADX 1667	15 Zinc alkyl dithiophosphate (C3-C14)	G	05/10/95	C	3	High viscosity	Bp
ADX1664B	15 Zinc alkyl dithiophosphate (C3-C14)	US	30/06/99	C	3	High viscosity	Lubrizol
AL 304	18 Alkyl (C9+) benzenes	US	06/07/89	III	NA		Chevron
AL 702	18 Alkyl(C9+)benzenes	US	03/01/95	III	NA		Chevron
AL 704	18 Alkyl(C9+)benzenes	US	03/01/95	III	NA		Chevron
AL 8379	11 Zinc alkyl dithiophosphate	US	18/10/99	B	3	High Viscosity	Lubrizol
Alcohol C11-9	11 Undecyl alcohol	US	21/06/00	B	3		Hiltveit
Alfol 610 Alcohol	11 Decyl alcohol	US	25/05/00	B	3		Condea Vista
Alfol 810 Alcohol	11 Decyl alcohol	US	25/05/00	B	3		Condea Vista
ARCO GTBA/MTBE	17 Methyl tert-butyl ether	NL	27/10/97	D	NA		Arco
Arcol HS-40	17 Polyether (molecular weight 2000+)	US	28/10/99	D	NA		Arco
Arcol Polyol E-1717	17 Polyether (molecular weight 2000+)	US	28/10/99	D	NA		Arco
Arcol Polyol E-777	17 Polyether (molecular weight 2000+)	US	28/10/99	D	NA		Arco
Aromatic Stream C9-C10	7 Aromatics (C9+)	G		B	2		Shell
AS 304	17 Long chain alkaryl sulfonic acid (C16-C60)	US	26/03/90	D	NA		Chevron
AS 584	17 Long chain alkaryl sulfonic acid (C18-C60)	US		D	NA		Chevron
AS 584D	17 Long chain alkaryl sulfonic acid (C18-C60)	US		D	NA		Chevron
AS-AN solution	17 Ammonium nitrate/Ammonium sulphate	B	24/04/98	D	NA		Dsm
ASD 20	16 Mineral oil	NL	02/01/89	C	3		Shell
ASD 40	16 Xylenes	NL	29/12/88	C	3		Shell
ASH H	18 Iso and n-alkanes (C10-C24)	SA	05/12/00	III	NA		Mossgas
ASH M	18 iso and n-alkanes (C10-C16)	SA	05/12/00	III	NA		Mossgas
BE 95 SE	16 Alkanes (C6-C9)	SF	21/11/97	C	3		Neste Oy
Biodiesel	17 Rapeseed oil methyl ester	B	20/12/94	D	NA		
BOC 6654	15 Zinc alkyl dithiophosphate (C3-C14)	US	18/10/99	C	3	High Viscosity	Lubrizol
BPT 1168	15 Zinc alkyl dithiophosphate (C3-C14)	US	21/01/93	C	3		Chevron
BPT 900	11 Zinc alkyl dithiophosphate (C3-C14)	US	13/08/87	B	3	High viscosity	Chevron
BPT 939	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		Chevron
Brake Fluid 38	17 Brake fluid base mix	G	09/04/87	D	NA		Shell
Brake Fluid 401	17 Brake fluid base mix	NL	09/04/87	D	NA		Shell
Brake Fluid 450	17 Brake fluid base mix	G	29/07/94	D	NA		Shell
Brake Fluid Base 41	17 Brake fluid base mix	NL	13/04/92	D	NA		Shell

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
Brake fluid base 49	17 Brake fluid mix	NL	26/01/99	D	NA		Shell
Brake Fluid DOT 4	17 Brake fluid base mix	G	09/04/87	D	NA		Shell
C-400	17 Calcium long chain alkaryl sulphonate (C11-C50) in mineral oil	US		D	NA		Witco
C-45M	17 Calcium long chain alkaryl sulphonate (C11-C50) in mineral oil	US		D	NA		Witco
C1012 Olefin/Paraffin	11 Dodecene	US	18/05/94	B	3		Albemarle
C113 SHF Paraffins	11 1-Undecene and Dodecene	UK	27/09/00	B	3		Shell
C5 Dienes Crude	7 Pentadiene and Cyclopentadiene	NL	19/07/88	B	2		Dow
C5 Hydrocarbons	13 Hydrocarbons (C5)	G		B	3		ICI
CA 209	17 Polyolefin amide alkeneamine (C28+)	US	21/01/93	D	NA		Chevron
CA 302	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	B	3	High viscosity	Lubrizol
CA 7003	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	17/06/93	D	NA		Chevron
CA 907	15 mineral oil	US	18/10/99	C	3	High Viscosity	Lubrizol
CA 925	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	25/11/99	D	NA		Lubrizol
Caltex code 599092	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		Chevron
Caltex code 599145	17 Polyolefin amide alkeneamine (C28+)	US		D	NA		Chevron
Caltex code 599146	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
Caltex code 599150	17 Polyolefin amide alkeneamine (C28+)	US		D	NA		Chevron
Caltex code 599151	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA		Chevron
Caltex code 599152	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
Caltex code 599155	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
Caltex code 599161	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
Caltex code 599162	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
Caltex code 599168	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA		Chevron
Caltex code 599171	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
Caltex code 599174	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
Caltex code 599188	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
Caltex code 599192	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
Caltex code 599197	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		Chevron
Caltex code 599201	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
Caltex Code 599359	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	Chevron
CAN 17	17 Calcium Ammonium nitrate liquid	N	17/02/00	D	NA		Norsk Hydro
Caromax 26	18 Alkyl (C9+) benzenes	G	02/11/99	III	NA		Carless
Caromax 28	18 Alkyl (C9+) benzenes	G	02/11/99	III	NA		Carless
CAS 29/75	18 Alkyl (C9+) benzenes	G	02/11/99	III	NA		Carless
CASH M	18 Iso and n-alkanes (C10-C16)	SA	05/12/00	III	NA		Mossgas
Castrol 802A	17 Polyolefin amide alkeneamine (C28+)	US		D	NA	High viscosity	Chevron

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
CF 2100	17 iso- and cyclo- alkenes (C10-C11)	B	01/11/98	D	NA		Exxon
CFX 2100	17 iso- and cyclo- alkenes (C10-C11)	B	01/11/98	D	NA		Exxon
CHEMADD 348L	17 Calcium long-chain alkaryl sulphonate (C11-C50)	US	26/08/99	D	NA		Lubrizol
CHEMADD 528K	17 Calcium long-chain phenate sulphide (C8-C40)	US	26/08/99	D	NA	High viscosity	Lubrizol
Clairsol 2000	18 n-Alkanes (C10+)	G	02/11/99	III	NA		Carless
Clairsol 440	17 n-alkanes (C10+) and poly (2+) cyclic aromatics	G	02/11/99	D	NA		Carless
CN 10	18 Calcium Nitrate solution	N	17/02/00	III	NA		Norsk Hydro
CN 9	18 Calcium nitrate solution	N	17/02/00	III	NA		Norsk Hydro
Coatex M439/35A	18 Sodium poly(4+)acrylate solution	F	18/05/98	III	NA		Coatex
CP 7003	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	17/06/93	D	NA		Chevron
CP 7053	15 Calcium long chain alkyl phenate sulphide (C8-C40) and Calcium long chain alkyl salicylate (C13+)	US	04/02/93	C	3		Chevron
Crude Alkylate	16 Benzene and mixtures having 1% benzene or more	G	09/12/91	C	3		Shell
CX 14M DIMER	11 Decene	US	06/08/94	B	3		Mobil
Cyclopolydimethylsiloxane	18 Cyclohexiloxane, Cyclopolydimethylsiloxane	G		III	NA		
Debenzanised Pygas	16 Toluene	G	29/10/87	C	3		ICI
Dibasic Esters	11 Dimethyl adipate	US	28/08/87	B	3		Dupont
Donax B	17 Brake fluid base mix	G	07/03/88	D	NA		Shell
Dow Chemical PC 16342	16 Toluene	US	18/12/92	C	3		Dow
ECA 10142M	10 Metal long chain alkyl acid salt	AA	12/01/89	A	3		Exxon
ECA 10843	15 Zinc alkyl dithiophosphate (C3-C14)	AA	12/01/89	C	3	High viscosity	Exxon
ECA 12419	10 Metal long chain alkyl acid salt	AA	12/01/89	A	3		Exxon
EF 50 180/230	17 iso- and cyclo- alkanes (C10-C11)	B	18/01/97	D	NA		Exxon
EF 60 II 190/240	18 Iso-and cyclo-alkanes (C12+)	B	19/10/93	III	NA		Exxon
EFD 250/0	15 Alkyl (C5-C8) benzenes	B	21/02/91	C	3		Exxon
EPAD 7083	11 Diphenylamines	US	01/02/93	B	3		Ethyl
Escaid 100	3 Alkyl (C5-C8) benzenes	B		A	2		Exxon
Escaid 110	15 Alkyl (C5-C8) benzenes	B		C	3		Exxon
Escaid 120	15 Alkyl (C5-C8) benzenes	B		C	3		Exxon
Exx-print B 9I D	18 Straight chain alkanes (C10-C20)	B		III	NA		Exxon
Exx-print H 70 A	11 Alkyl (C5-C8) benzenes	B		B	3		Exxon
Exx-print M 75 A	11 Alkyl (C5-C8) benzenes	B		B	3		Exxon
Exx-print T 76 A	18 Iso- and cyclo-Alkanes (C12+)	B	15/07/94	III	NA		Exxon
Exx-print T 82 A	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Exxal 13	11 Dodecyl alcohol	NL	05/12/95	B	3		Exxon
Exxal 9	11 Decyl alcohol	NL	05/12/95	B	3		Exxon
Exxsol D 100	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
Exxsol D 100 S	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Exxsol D 110	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Exxsol D 120	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Exxsol D 140	18 Iso- and cyclo-Alkanes (C12+)	NL	03/01/91	III	NA		Exxon
Exxsol D 190/240	17 Iso- and cyclo-Alkanes (C10-C11)	B	19/10/93	D	NA		Exxon
Exxsol D 220/230	18 Iso- and cyclo-Alkanes (C12+)	B	06/02/90	III	NA		Exxon
Exxsol D 240/260	18 Iso- and cyclo-Alkanes (C12+)	B	30/08/90	III	NA		Exxon
Exxsol D 30	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol D 40	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol D 50	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol D 60	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol D 70	17 Iso- and cyclo-Alkanes	B	19/10/93	D	NA		Exxon
Exxsol D 80	18 Iso- and cyclo-alkanes (C12+)	B		III	NA		Exxon
Exxsol D 80 HV	18 Iso- and cyclo-alkanes (C12+)	B	15/04/96	III			Exxon
Exxsol DSP 100/140	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol DSP 145/160	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol DSP 60/95 S	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol DSP 60/95 SH	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol DSP 65/95	16 Alkanes (C6-C9)	B		C	3		Exxon
Fluid Base 57 DOT 4	17 Brake Fluid base mix	B	01/04/97	D	NA		Bp
Fluid base PC 2410	17 Brake Fluid base mix	B	01/04/97	D	NA		Bp
FRBZ 2221	12 Tall oil (crude and distilled)	US	23/11/93	B	3		Arizona
Gulf agent 1440	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
Gulf agent 1528-80	15 Polyolefin (mw 300+) in mineral oil	US		C	3	High viscosity	Chevron
Gulf agent 1676	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
Gulf agent 1730	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
Gulf agent 1731	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA	High viscosity	Chevron
Gulf agent 1732	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
HAN 8070	3 Poly(2+)cyclic aromatics	B		A	2		Exxon
HAN 8572	3 Poly(2+)cyclic aromatics	B	15/07/94	A	2		Exxon
Heavy Olefins	11 Olefin mixtures (C5-C15)	US	14/09/94	B	3		Exxon
Hexaplas 911P	17 Dinonyl phthalate	G		D	NA		ICI
Hexaplas C8N	18 Diisooctyl phthalate	G		III	NA		ICI
Hexaplas ON	17 Diisooctyl adipate	G		D	NA		ICI
Hexaplas OPN	17 Di-2-ethyl hexyl phthalate	G		D	NA		ICI
Hexene Dimate	11 Hexene (all isomers)	US	14/01/92	B	3		Exxon

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
HiTEC 1103	15	Polyolefin phenolic amine (C28-C250)	US	19/10/93	C	3		Ethyl
HiTEC 1123	11	Diphenylamines, alkylated	US	05/08/97	B	3	High Viscosity	Ethyl
HiTEC 1123A	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1209	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1239B	11	Zinc alkyl dithiophosphate (C3-C14)	US	07/02/00	B	3	High Viscosity	Ethyl
HiTEC 1278	15	Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	C	3	High viscosity, Solidifying	Ethyl
HiTEC 1353	11	Zinc alkyl dithiophosphate (C3-C14)	US	09/07/96	B	3		Ethyl
HiTEC 1452	11	Diphenylamines, alkylated	US	09/07/96	B	3		Ethyl
HiTEC 1453	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1453M	11	Tertiary butyl phenols	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1456	11	Diphenylamines, alkylated	US	09/07/96	B	3		Ethyl
HiTEC 1457	11	Zinc alkyl dithiophosphate (C3-C14)	US	09/07/96	B	3		Ethyl
HiTEC 1459	11	Zinc alkyl dithiophosphate	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1461	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1462	5	2,6-Di-tert-butyl phenol	US	27/11/00	B	2	High Viscosity	Ethyl
HiTEC 1463	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1464	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1904	17	Calcium long chain alkaryl sulphonate (C3-C14)	US	28/10/99	D	NA		Ethyl
HiTEC 1914	17	Calcium long chain alkaryl sulphonate (C11-C50)	US	28/10/99	D	NA		Ethyl
HiTEC 1927	17	Polyolefin anhydride	US	28/10/99	D	NA		Ethyl
HiTEC 1930	17	Polyolefin anhydride	US	28/10/99	D	NA		Ethyl
HiTEC 1946	17	Polyolefin anhydride	US	28/10/99	D	NA		Ethyl
HiTEC 2725	11	Zinc alkyl dithiophosphate (C3-C14)	US	22/09/89	B	3		Ethyl
HiTEC 320	11	Sulphohydrocarbon long chain(C18+) alkylamine mixture	US	20/12/89	B	3		Ethyl
HiTEC 343	15	Mineral oil	US	12/03/99	C	3	High viscosity, Solidifying	Ethyl
HiTEC 388	11	Phosphate esters alkyl (C12-C14) amines	US	30/03/99	B	3	High viscosity, Solidifying	Ethyl
HiTEC 403	11	Diphenylamines, alkylated	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 4035	5	Alkyl (C7-C9) nitrates	B	11/09/96	B	2	High viscosity	Ethyl
HiTEC 410	11	Diphenylamines, alkylated	US	30/03/99	B	3	High viscosity, Solidifying	Ethyl
HiTEC 4450	11	Diphenylamines, alkylated	B	11/09/96	B	3	High viscosity	Ethyl
HiTEC 4451	3	Poly (2+) cyclic aromatics	B	11/09/96	A	2	High viscosity	Ethyl
HiTEC 4728	11	Methylene bridged isobutenylated phenols	US	23/09/96	B	3		Ethyl
HiTEC 4782	5	Methylene bridged isobutylenated phenols	US	20/12/89	B	2	High viscosity	Ethyl
HiTEC 4909	13	Naphthalene	US	03/08/95	B	3		Ethyl
HiTEC 4961A	13	Naphthalene	US	03/08/95	B	3		Ethyl
HiTEC 4961M	13	Naphthalene	US	01/05/97	B	3	High viscosity, Solidifying	Ethyl

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
HiTEC 4970	16	Polyalkylene oxide polyol	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 4980E	10	Trimethyl benzene (all isomers)	US	27/11/00	A	3		Ethyl
HiTEC 4987	10	Trimethyl benzene (all isomers)	US	28/05/99	A	3		Ethyl
HiTEC 4993	11	Naphthalene	US	15/03/94	B	3		Ethyl
HiTEC 4999	10	Trimethyl benzene (all isomers)	US	16/04/99	A	3		Ethyl
HiTEC 5701	17	Polyolefin (mw 300+)	US	28/10/99	D	NA		Ethyl
HiTEC 5714	17	Polyalkyl methacrylate (C1-C20)	US	27/11/00	D	NA		Ethyl
HiTEC 5723	15	Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 5725	17	Polyalkyl methacrylate (C10-C20)	US	28/10/99	D	NA		Ethyl
HiTEC 5748	18	Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 5752	18	Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 5766	18	Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 5767	18	Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 5770	15	Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 5772	18	Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 5777	15	Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 5777C	15	Mineral oil	B	17/01/00	C	3	High Viscosity	Ethyl
HiTEC 5798	18	Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 6103	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6105	11	Diphenylamines, alkylated	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6109	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6124	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6152	11	Diphenylamines, alkylated	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6159	3	Diphenylamines, alkylated	US	27/11/00	A	2		Ethyl
HiTEC 615S	15	Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 6179	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6204	9	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	A	3		Ethyl
HiTEC 6242	11	Diphenylamines, alkylated	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6281	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6421	16	Mineral oil	US	30/07/99	C	3	High viscosity	Ethyl
HiTEC 6423	16	Mineral oil	US	30/07/99	C	3	High viscosity	Ethyl
HiTEC 686	3	Calcium alkyl (C9) phenol sulphide/Ppolyolefin phosphorosulphide mixture	US	31/10/94	A	2		Ethyl
HiTEC 7083	11	Diphenylamines, alkylated	US	01/02/93	B	3		Ethyl
HiTEC 7197	11	Zinc alkyl dithiophosphate (C3-C14)	US	13/01/95	B	3		Ethyl
HiTEC 7272	17	Aryl polyolefins (C11-C50)	US	26/04/00	D	NA		Ethyl
HiTEC 7476	17	Polyolefin amide alkeneamine borate (C28-C250)	US	23/09/96	D	NA		Ethyl

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
HiTEC 7505	3 Diphenylamines, alkylated	US	27/10/93	A	2		Ethyl
HiTEC 7560	17 Polyolefin phenolic amine (C28-C250)	US	23/09/96	D	NA		Ethyl
HiTEC 7637	15 Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 7637F	15 Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 8025	5 Zinc alkyl dithiophosphate (C3-C14)	B	03/03/94	B	2	High Viscosity	Ethyl
HiTEC 8054	11 Zinc alkyl dithiophosphate (C3-C14)	B	11/09/96	B	3	High viscosity	Ethyl
HiTEC 8100	5 Zinc alkyl dithiophosphate (C3-C14)	B	17/01/94	B	2	High viscosity	Ethyl
HiTEC 8449	11 Zinc alkyl dithiophosphate (C3-C14)	B	04/10/00	B	3	High Viscosity	Ethyl
HiTEC 8483	11 Zinc alkyl dithiophosphate (C3-C14)	B	11/09/96	B	3	High viscosity	Ethyl
HiTEC 8543	11 Zinc alkyl dithiophosphate (C3-C14)	B	11/09/96	B	3	High viscosity	Ethyl
HiTEC 8544	11 Zinc alkyl dithiophosphate (C3-C14)	B	16/03/98	B	3	High viscosity	Ethyl
HiTEC 8546	11 Methylene bridged isobutylene phenols	B	02/09/98	B	3	High viscosity	Ethyl
HiTEC 8610	5 Zinc alkyl dithiophosphate (C3-C14)	B	22/12/97	B	2	High viscosity	Ethyl
HiTEC 9210	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/05/99	B	3	High viscosity, Solidifying	Ethyl
HiTEC 9227	11 Zinc alkyl dithiophosphate (C3-C14)	B	24/07/00	B	3	High Viscosity	Ethyl
HiTEC 9227A	11 Zinc alkyl dithiophosphate (C3-C14)	US	25/11/99	B	3	High viscosity, Solidifying	Ethyl
HiTEC 9229	11 Zinc alkyl dithiophosphate (C3-C14)	B	15/07/99	B	3	High viscosity	Ethyl
HiTEC 9230	15 Zinc alkyl dithiophosphate (C3-C14)	B	11/09/96	C	3	High viscosity	Ethyl
Infineum C9220	15 Polyolefin amide alkeneamine borate in mineral oil	NL	02/05/96	C	3		Infineum
Infineum C9260	17 Polyolefin amide alkeneamine borate (C28-C250)	F	15/04/96	D	NA		Infineum
Infineum C9302	17 Aryl polyolefin (C11-C50)	F	06/12/88	D	NA		Infineum
Infineum C9304	17 Aryl polyolefin (C11-C50)	US	15/12/94	D	NA		Infineum
Infineum C9330	15 Calcium long chain alkaryl sulphonate in mineral oil	F		C	3	High viscosity	Infineum
Infineum C9344	17 Magnesium long chain alkaryl sulphonate(C11-C50)	F	13/09/88	D	NA		Infineum
Infineum C9364	17 Alkyl phenol sulphide (C8-C40)	US	18/06/93	D	NA		Infineum
Infineum C9394	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	26/05/00	D	NA		Infineum
Infineum C9417	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/12/88	B	3	High viscosity	Infineum
Infineum C9532	4 Poly(2+)cyclic aromatics	NL	29/06/88	A	2		Infineum
Infineum C9594	16 Xylenes	NL	02/01/89	C	3		Infineum
Infineum C9995	18 Polybutene	US		III	NA		Infineum
Infineum D1193	11 Zinc alkyl dithiophosphate (C3-C14)	NL	11/03/91	B	3	High viscosity	Infineum
Infineum D1272	11 Zinc alkyl dithiophosphate (C3-C14)	G	01/04/92	B	3		Infineum
Infineum D1274	11 Zinc Alkyl Dithiophosphate (C3-C14)	US	10/02/92	B	3		Infineum
Infineum D1284	12 Zinc alkyl dithiophosphate (C3-C14)	US	30/11/98	B	3	High viscosity, Solidifying	Infineum
Infineum D1560	15 Zinc alkyl dithiophosphate (C7-C16)	US	15/01/96	C	3	High viscosity	Infineum
Infineum D2040	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Infineum

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
Infineum D2045	11 Zinc alkyl dithiophosphate (C3-C14)	NL	13/07/92	B	3		Infineum
Infineum D2080	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Infineum
Infineum D2101	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Infineum
Infineum D2106	15 Zinc alkyl dithiophosphate (C3-C14)	NL	13/07/92	C	3		Infineum
Infineum D2121	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Infineum
Infineum D2133	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Infineum
Infineum D2141	15 Zinc alkyl dithiophosphate (C3-C14)	B	13/11/95	C	3		Infineum
Infineum D2142	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Infineum
Infineum D2170	11 Zinc alkyl dithiophosphate	NL	10/12/96	B	3	High viscosity	Infineum
Infineum D2173	11 Zinc alkyl dithiophosphate (C3-C14)	NL	19/02/98	B	3	High viscosity	Infineum
Infineum D2174	5 Diphenylamines, alkylated	F	08/09/98	B	2	High viscosity	Infineum
Infineum D2283	15 Zinc alkyl dithiophosphate (C3-C-14)	US	05/01/96	C	3	High viscosity	Infineum
Infineum D3281	15 Zinc alkyl dithiophosphate (C3-C14)	AR	16/09/97	C	3	High viscosity, Solidifying	Infineum
Infineum D3900	11 Diphenylamines, alkylated	G	12/11/91	B	3	High viscosity	Infineum
Infineum F7704	16 Mineral oil	NL	16/01/89	C	3	High viscosity	Infineum
Infineum F7736	16 Xylenes	F	17/11/97	C	3	High viscosity	Infineum
Infineum F7741	16 Xylenes	F	17/11/97	C	3	High viscosity	Infineum
Infineum M7031	15 Calcium long chain alkyl salicylate (C13+)	NL	13/03/98	C	3	High viscosity	Infineum
Infineum M7110	15 Calcium long chain alkyl sulphate in mineral oil	F	10/05/00	C	3		Infineum
Infineum M7152	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	26/05/00	D	NA		Infineum
Infineum M7154	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	26/05/00	D	NA		Infineum
Infineum M7210	15 Calcium long chain alkyl salicylate (C13+)	G	31/01/89	C	3		Infineum
Infineum M7213	15 Calcium long chain alkyl salicylate (C13+)	NL	21/02/94	C	3		Infineum
Infineum N9220	15 Polyolefin amide alkeneamine borate in mineral oil	NL	10/05/00	C	3		Infineum
Infineum N9302	17 Aryl polyolefin (C11-C50)	F	10/05/00	D	NA		Infineum
Infineum P5278	11 Zinc alkyl dithiophosphate (C3-C14)	F	15/04/96	B	3		Infineum
Infineum P6075	15 Zinc alkyl dithiophosphate (C3-C14)	G	09/04/87	C	3		Infineum
Infineum P6121	11 Zinc alkyl dithiophosphate (C3-C14)	G	29/07/94	B	3		Infineum
Infineum P6136	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Infineum
Infineum P6137	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Infineum
Infineum P6159	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Infineum
Infineum P6199	15 Zinc alkyl dithiophosphate (C3-C14)	B	13/01/95	C	3		Infineum
Infineum P6410	11 Diphenylamines, alkylated	G	29/07/94	B	3		Infineum
Infineum P6420	11 Zinc alkyl dithiophosphate (C3-C14)	G	29/07/94	B	3		Infineum
Infineum P6464	15 Zinc alkyl dithiophosphate (C3-C14)	B	13/11/95	C	3		Infineum
Infineum P6492	11 Zinc alkyl dithiophosphate (C3-C14)	NL	03/10/96	B	3	High viscosity	Infineum

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
Infineum P6510	11 Diphenylamines, alkylated	B	26/11/97	B	3	High viscosity, Solidifying	Infineum
Infineum P6602	11 Zinc alkyl dithiophosphate (C3-C14)	B	08/05/98	B	3	High viscosity	Infineum
Infineum P6603	11 Diphenylamines, alkylated	B	24/04/98	B	3	High viscosity	Infineum
Infineum P6611	15 Zinc alkyl dithiophosphate (C3-C14)	NL	23/05/97	C	3	High viscosity	Infineum
Infineum P6612	11 Diphenylamines, alkylated	NL	05/02/98	B	3	High viscosity	Infineum
Infineum P6613	11 Diphenylamines, alkylated	F	19/02/98	B	3	High viscosity	Infineum
Infineum P6627	11 Diphenylamines, alkylated	B	12/01/98	B	3	High viscosity	Infineum
Infineum R214	7 Alkyl (C3-C8) benzenes	NL		B	2	High viscosity	Infineum
Infineum R335	4 Poly(2+)cyclic aromatics	NL	29/06/88	A	2		Infineum
Ink Oil Solvent	15 Mineral oil	US	16/07/99	C	3		Calumet
ISO BUTYLOL	18 n-Propyl alcohol	SA	05/12/00	III	NA		Sasol
Iso Butylol	18 n-Propyl alcohol	SA	13/11/00	III	NA		Sasol
Isopar G	17 Iso- and cyclo-Alkanes (C10-C11)	B	05/10/89	D	NA		Exxon
Isopar H	17 Iso- and cyclo-Alkanes (C10-C11)	B		D	NA		Exxon
Isopar L	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
ISOPAR M	17 Iso- and cyclo-alkanes (C12+)	B	30/11/93	D	NA		Exxon
Isorchem 113	18 Alkyl (C9+) benzenes	I	15/01/97	III	NA		Condea
Jayflex DINP	17 Dialkyl (C7-C13) phthalates	US	02/11/95	D	NA		Exxon
Kemelix H 610	5 Dimethylethylbenzene	G		B	2		ICI
Kortacid 0810	15 Decanoic acid	NL	08/05/91	C	3		Akzo
LAL2	17 Aryl polyolefin (C11-C50)	US	14/02/90	D	NA		Exxon
LEC-300 HV	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	08/01/92	D	NA		Witco
LEGASOL B	18 Propyl alcohols	US	09/02/00	III	NA		Odfjell (usa)
LIIV 200	16 Alkanes (C6-C9)	SF	21/11/97	C	3		Neste Oy
LIIV 230	17 Cycloalkanes (C10-C11)	SF	21/11/97	D	NA		Neste Oy
LIIV 250	17 Cycloalkanes (C10-C11)	SF	21/11/97	D	NA		Neste Oy
LIIV 270	18 n-Alkanes (C10+)	SF	21/11/97	III	NA		Neste Oy
Lincol 6 + 10	11 Decylalcohol and Hexanol	D	26/04/95	B	3		Condea Chemie
Lincol 610	11 Decyl alcohol (all isomers)	US	10/11/94	B	3		Hiltveit
Lincol 610 H	11 Octanol 1 and Decanol 1	D	16/01/91	B	3		
Lincol 68	15 Hexanol and Decylalcohol	D	26/04/95	C	3		Condea Chemie
Lincol 810	11 Decanol 1	D	20/08/90	B	3		
Linevol 711	11 Decyl alcohol (all isomers)	G	21/12/94	B	3		Shell
Linevol 79	15 Heptanol	G	07/03/88	C	3		Shell
Linevol 911	11 n-Decyl alcohol	G	07/03/88	B	3		Shell
LIPO	15 Poly (2+) cyclic aromatics	SF	21/11/97	C	3		Neste Oy

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
LOA 110	17 Polyolefin amide alkeneamine (C28+)	US		D	NA	High viscosity	Chevron
LOA 234	17 Polyolefin amide alkeneamine (C28+)	US		D	NA	High viscosity	Chevron
LOA 859	11 Zinc alkyl dithiophosphate (C3-C14) and Polyolefin amide alkeneamine polyol	US	19/05/93	B	3		Chevron
LOA 959	11 Zinc alkyl dithiophosphate (C3-C14) and Polyolefin amide alkeneamine polyol	US	12/07/93	B	3		Chevron
LOA 963	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	B	3	High viscosity	Lubrizol
LUBAD 1006	11 Zinc alkyl dithiophosphate (C3-C14)	B	10/08/98	B	3	High viscosity	Shell
LUBAD 1053	15 Zinc alkyl dithiophosphate (C-3-C14)	US	16/07/99	C	3	High viscosity	Lubrizol
LUBAD 1062	11 Zinc alkyl dithiophosphate (C3-C14)	US	19/02/99	B	3	High viscosity	Lubrizol
LUBAD 153	17 Polyolefin amide alkeneamine (C28+)	US		D	NA	High viscosity	Chevron
Lubad 360	11 Zinc alkyl dithiophosphate (C3-C14)	G	09/04/87	B	3		Shell
LUBAD 365	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		Chevron
Lubad 392	15 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	C	3		Shell
LUBAD 397	15 Zinc alkyl dithiophosphate (C3-C14)	G	09/04/87	C	3		Shell
LUBAD 408	15 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	C	3		Shell
LUBAD 416	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 432	15 Calcium long chain alkyl salicylate (13+)	G		C	3		Shell
LUBAD 435	17 Calcium long chain alkyl phenate sulphide (C8-C40)	G	15/09/87	D	NA		Shell
LUBAD 442	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 488	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		Chevron
LUBAD 502	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 507	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 508	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 525	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
LUBAD 526	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
LUBAD 541	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
LUBAD 543	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 605	15 Calcium long chain alkyl salicylate (C13+)	NL	13/03/98	C	3	High viscosity	Shell
LUBAD 642	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Shell
LUBAD 662	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Shell
LUBAD 669	5 Zinc alkyl dithiophosphate (C3-C14)	B	16/02/98	B	2	High viscosity	
LUBAD 671	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Shell
LUBAD 672	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
LUBAD 673	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
LUBAD 674	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
LUBAD 675	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Shell

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
LUBAD 689	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/12/94	B	3		Shell
LUBAD 770	15 Zinc alkyl dithiophosphate (C3-C14)	NL	28/10/98	C	3	High viscosity	Shell
LUBAD 842	11 Zinc alkyl dithiophosphate (C3-C14)	NL	03/10/96	B	3	High viscosity	Shell
LUBAD 906	11 Zinc alkyl dithiophosphate (C3-C14)	NL	19/02/98	B	3	High viscosity	Shell
LUBAD 908	15 Zinc alkyl dithiophosphate (C3-C14)	NL	21/05/97	C	3	High viscosity	Shell
LUBAD 909	5 Diphenylamines, alkylated	F	08/09/98	B	2	High viscosity	Shell
LUBAD 916	11 Diphenylamines, alkylated	NL	05/02/98	B	3	High viscosity	Shell
LUBAD 962	11 Diphenylamines, alkylated	F	19/02/98	B	3	High viscosity	Shell
LUBAD 982	11 Diphenylamines, alkylated	B	24/04/98	B	3	High viscosity	Shell
LUBRIZOL 23577X	11 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 3174	18 Polyolefin amide alkenenammine (C17+)	US	02/12/93	III	NA	High viscosity	Lubrizol
LUBRIZOL 3530	15 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	C	3	High viscosity	Lubrizol
LUBRIZOL 3576F	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 3577	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 3577K	11 Zinc alkyl dithiophosphate (C3-C14)	US	01/05/96	B	3	High viscosity	Lubrizol
LUBRIZOL 3579C	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 3580	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 3593A	11 Zinc alkyl dithiophosphate (C3-C14)	US	01/02/95	B	3	High viscosity	Lubrizol
LUBRIZOL 3594A	11 Zinc alkyl dithiophosphate (C3-C14)	US	17/09/96	B	3	High viscosity	Lubrizol
LUBRIZOL 390	17 Polyolefin phenolic amine (C28-C250)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 3939W	0 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3		Lubrizol
LUBRIZOL 3940	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 3940A	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3		Lubrizol
LUBRIZOL 3940C	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 395	15 Mineral oil	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 397	17 Alkenyl (C11+) amide	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 400A	17 Polyolefin phenolic amine (C28-C250)	US	20/10/95	D	NA	High viscosity	Lubrizol
LUBRIZOL 4816M	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4821M	11 Zinc alkyl dithiophosphate (C3-C14)	US	17/09/97	B	3	High viscosity	Lubrizol
LUBRIZOL 4837A	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4837V	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4840	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4840A	11 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 4856G	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4887A	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4888	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
LUBRIZOL 4911	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4915C	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4927	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4927B	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/08/94	B	3	High viscosity	Lubrizol
LUBRIZOL 4933	15 Zinc alkyl dithiophosphate (C3-C14)	US	24/10/94	C	3	High viscosity	Lubrizol
LUBRIZOL 4950	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4950G	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4952	11 Zinc alkyl dithiophosphate (C3-C14)	US	31/12/96	B	3	High viscosity	Lubrizol
LUBRIZOL 4952A	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High viscosity	Lubrizol
LUBRIZOL 4952J	11 Zinc alkyl dithiophosphate (C3-C14)	US	25/11/99	B	3	High viscosity	Lubrizol
LUBRIZOL 4952P	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/06/97	B	3	High viscosity	Lubrizol
LUBRIZOL 4953	11 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 4956A	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4958	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4959C	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4959F	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4960	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4966	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4966B	15 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	C	3	High viscosity	Lubrizol
LUBRIZOL 4968	11 Zinc alkyl dithiophosphate (C3-C14)	US	14/04/97	B	3	High viscosity	Lubrizol
LUBRIZOL 4970	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4970J	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4970K	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4970N	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/08/94	C	3	High viscosity	Lubrizol
LUBRIZOL 4970T	11 Zinc alkyl dithiophosphate (C3-C14)	US	17/09/97	B	3	High viscosity	Lubrizol
LUBRIZOL 4980A	15 Zinc alkyl dithiophosphate (C3-C14)	US	25/11/99	C	3	High viscosity	Lubrizol
LUBRIZOL 4981A	15 Zinc alkyl dithiophosphate (C3-C14)	US	18/02/00	C	3	High Viscosity	Lubrizol
LUBRIZOL 4981C	15 Zinc alkyl dithiophosphate (C3-C14)	US	23/10/00	C	3	High Viscosity	Lubrizol
LUBRIZOL 4994A	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/08/94	C	3	High viscosity	Lubrizol
LUBRIZOL 4994E	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/08/95	C	3	High Viscosity	Lubrizol
LUBRIZOL 4998	15 Zinc alkyl dithiophosphate (C3-C14)	US	23/10/00	C	3	High Viscosity	Lubrizol
LUBRIZOL 5002	11 Oleylamine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 58S	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	20/10/95	D	NA	High viscosity	Lubrizol
LUBRIZOL 5986	15 Mineral oil	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 600	17 Polyolefin amide alkeneamine (C17+)	US	03/11/97	D	NA	High viscosity	Lubrizol
LUBRIZOL 6111	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

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LUBRIZOL 6298S	11 Tall oil fatty acid, barium salt	US	23/04/97	B	3	High viscosity	Lubrizol
LUBRIZOL 6446A	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	26/08/99	D	NA		Lubrizol
LUBRIZOL 6470	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 6470S	15 Mineral oil	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 6477	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 6478	0 Mineral oil	US	02/12/93	C	3		Lubrizol
LUBRIZOL 6488A	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 6499A	17 Calcium long chain alkyl phenate sulphide	US	26/08/99	D	NA		Lubrizol
LUBRIZOL 6499M	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 65	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 6701D	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 6830	17 Aryl polyolefin (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 6833	17 Alkyl (C8-C40) phenol sulphide	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 6950D	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 6950J	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/08/95	B	3	High viscosity	Lubrizol
LUBRIZOL 73051	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 73085	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 73087	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 73259	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3		Lubrizol
LUBRIZOL 73770	17 Alkylbenzenesulphonic acid, sodium salt solution	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 73775	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 74090	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/06/97	B	3	High viscosity	Lubrizol
LUBRIZOL 74095	11 Zinc alkyl dithiophosphate (C3-C14)	US	21/01/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 74179	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/01/95	B	3	High viscosity	Lubrizol
LUBRIZOL 74519	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 74731	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 74783	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 74788	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 74959	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 74960	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 74988	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7565	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7574B	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7574Q	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/08/94	B	3	High viscosity	Lubrizol
LUBRIZOL 7574V	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 76006	17 Polyolefin amide alkeneamine (C17+)	US	29/08/96	D	NA	High viscosity	Lubrizol

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

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LUBRIZOL 76026	15 Mineral oil	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 76038	17 Aryl polyolefin (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 76095	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 76391	15 Mineral oil	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 76442	11 Oleylamine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 76460	11 Phosphate ester, alkyl (C12-C14) amine	US	03/11/97	B	3	High viscosity	Lubrizol
LUBRIZOL 76580	11 Oleylamine	US	02/12/93	B	3		Lubrizol
LUBRIZOL 76847	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 76884	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 77059	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77060	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77061	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77062	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77113	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 77205	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 77319	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 77475	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77479	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77889	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 77918	11 Zinc alkyl dithiophosphate (C3-C14)	US	20/10/95	B	3	High viscosity	Lubrizol
LUBRIZOL 78009	11 Oleylamine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 78011	11 Phosphate esters, alkyl (C12-C14) amine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 78015	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/04/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 78020	11 Phosphate esters, alkyl (C12-C14) amine	US	02/12/93	B	3		Lubrizol
LUBRIZOL 78072	15 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	C	3	High viscosity	Lubrizol
LUBRIZOL 78088	11 Phosphate esters, alkyl (C12-C14) amine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7808D	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7819A	11 Zinc alkyl dithiophosphate(C3-C14)	US	20/12/94	B	3	High viscosity	Lubrizol
LUBRIZOL 7819F	11 Zinc alkyl dithiophosphate (C3-C14)	US	17/04/98	B	3	High viscosity	Lubrizol
LUBRIZOL 7819H	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/05/99	B	3	High viscosity	Lubrizol
LUBRIZOL 7819T	11 Zinc alkyl dithiophosphate (C3-C14)	US	15/11/95	B	3	High viscosity	Lubrizol
LUBRIZOL 7821	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7833K	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7841	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 78419	3 Dodecyl hydroxypropyl sulphide	US	18/06/98	A	2	High viscosity	Lubrizol
LUBRIZOL 78475	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

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LUBRIZOL 7854	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7882E	11 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 78886	15 Mineral oil	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 78888	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 7888C	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 78891	15 Zinc alkyl dithiophosphate (C3-C14)	US	24/06/94	C	3	High viscosity	Lubrizol
LUBRIZOL 7901	5 Dodecyl hydroxypropyl sulphide	US	08/02/96	B	2	High viscosity	Lubrizol
LUBRIZOL 7906	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 7908	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 79152	17 Calcium long chain alkaryl sulphonate (C3-C14)	US	12/06/97	D	NA	High viscosity	Lubrizol
LUBRIZOL 79522	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	12/06/97	D	NA	High viscosity	Lubrizol
LUBRIZOL 79728	11 Zinc alkyl dithiophosphate (C3-C14)	US	15/03/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 8192S	13 Polyolefinamine in alkyl(C2-C4)benzenes	US	10/01/96	B	3		Lubrizol
LUBRIZOL 8215	16 Polyolefinamine in alkyl (C3-C4) benzenes	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 8292C	17 Polyolefin phenolic amine (C28-C250)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 8525	17 Polyolefin amide alkeneamine (C17+)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 8609	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 8680C	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	23/10/00	D	NA		Lubrizol
LUBRIZOL 8688	15 Mineral oil	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 8805C	11 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 8807A	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 8871A	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 8880E	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 8880J	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 8888	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 8888A	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 8893	11 Zinc alkyl dithiophosphate (C3-C14)	US	17/09/96	B	3	High viscosity	Lubrizol
LUBRIZOL 8900	11 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 8902	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 8902E	15 Zinc alkyl dithiophosphate (C3-C14)	US	08/08/97	C	3	High viscosity	Lubrizol
LUBRIZOL 8902M	15 Zinc alkyl dithiophosphate (C3-C14)	US	18/08/97	C	3	High viscosity	Lubrizol
LUBRIZOL 8952	3 Dodecyl phenol	US	02/12/93	A	2	High viscosity	Lubrizol
LUBRIZOL 8960	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 8960A	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 8960B	15 Zinc alkyl dithiophosphate (C3-C14)	US	24/10/94	C	3	High viscosity	Lubrizol
LUBRIZOL 8967	15 Zinc alkyl dithiophosphate (C3-C14)	US	10/11/98	C	3	High viscosity	Lubrizol

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

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LUBRIZOL 8967B	5	Dithiocarbamate esters	US	21/01/00	B	2	High Viscosity	Lubrizol
LUBRIZOL 9212	15	Zinc alkyl dithiophosphate (C3-C14)	US	22/05/96	C	3	High viscosity	Lubrizol
LUBRIZOL 9220	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 9222	17	Calcium long chain alkaryl sulphonate (C11-C50)	US	21/12/99	D	NA		Lubrizol
LUBRIZOL 9225	17	Calcium long chain alkaryl sulphonate (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 9226A	17	Calcium long-chain alkyl phenate sulphide (C8-C40)	US	22/05/96	D	NA	High viscosity	Lubrizol
LUBRIZOL 9229	17	Calcium long chain alkaryl sulphonate (C11-C50)	US	12/06/97	D	NA	High viscosity	Lubrizol
LUBRIZOL 9231	17	Calcium long chain alkaryl sulphonate (C11-C50)	US	22/11/96	D	NA	High viscosity	Lubrizol
LUBRIZOL 9231A	17	Mineral oil	US	22/11/96	D	NA	High viscosity	Lubrizol
LUBRIZOL 9530T	15	Octanol (all isomers)	US	01/02/95	C	3	High viscosity	Lubrizol
LUBRIZOL 9614Z	11	Mineral oil	US	21/01/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 9615Z	11	Mineral oil	US	21/01/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 9692A	15	Zinc alkaryl dithiophosphate (C7-C16)	US	08/03/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9802	15	Zinc alkyl dithiophosphate (C3-C14)	US	22/05/96	C	3	High viscosity	Lubrizol
LUBRIZOL 9802C	15	Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9803	11	Zinc alkyl dithiophosphate (C3-C14)	US	19/07/96	B	3	High viscosity	Lubrizol
LUBRIZOL 9827	11	Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 9828	15	Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9828A	15	Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9828F	15	Zinc alkyl dithiophosphate (C3-C14)	US	08/06/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9828T	11	Zinc alkyl dithiophosphate (C3-C14)	US	14/01/97	B	3	High viscosity	Lubrizol
LUBRIZOL 9841	15	Zinc alkyl dithiophosphate (C3-C14)	US	18/06/96	C	3	High viscosity	Lubrizol
LUBRIZOL 9841A	15	Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9841B	15	Zinc alkyl dithiophosphate (C3-C14)	US	12/01/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9842	15	Zinc alkyl dithiophosphate (C3-C14)	US	12/01/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9845	15	Zinc alkyl dithiophosphate (C3-C14)	US	28/02/96	C	3	High viscosity	Lubrizol
LUBRIZOL 9845Y	11	Dithiocarbamate ester (C7-C35)	US	01/05/97	B	3	High viscosity	Lubrizol
LUBRIZOL 9846	15	Zinc alkyl dithiophosphate (C3-C14)	US	29/08/96	C	3	High viscosity	Lubrizol
LUBRIZOL 9915A	15	Zinc alkaryl dithiophosphate (C7-C16)	US	25/11/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9915M	15	Zinc alkaryl dithiophosphate (C7-C16)	US	02/08/95	C	3	High viscosity	Lubrizol
LUBRIZOL 9990A	11	Zinc alkyl dithiophosphate (C3-C14)	US	28/05/99	B	3	High viscosity	Lubrizol
LUBRIZOL A6043B	11	Phosphate esters, alkyl (C12-C14) amine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL A6044	11	Oleylamine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL A6044B	11	Oleylamine	US	02/12/93	B	3	High Viscosity	Lubrizol
LUBRIZOL A6063A	11	Oleylamine	US	08/02/96	B	3	High viscosity	Lubrizol
LUBRIZOL A98A	11	Phosphate ester, alkyl (C12-C14) amine	US	16/07/99	B	3	High viscosity	Lubrizol

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

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LUBRIZOL A99	11	Oleylamine	US	02/12/93	B	3	High Viscosity	Lubrizol
LUBRIZOL ADX3866	5	Dodecyl phenol	US	18/02/00	B	2		Lubrizol
Lysalchem 82	11	Dodecyl alcohol	I	15/01/97	B	3	High viscosity	Condea
M-400-G	17	Magnesium long chain alkaryl sulphonate (C11-C50) in mineral oil	US	18/02/88	D	NA		Witco
M-400-T	17	Magnesium long chain alkaryl sulphonate (C11-C50) in mineral oil	US	18/02/88	D	NA		Witco
MCP 1257C	17	Alkanes (straight chain) C5-C9 and Alkanes (straight chain) C10-C20	US	25/01/93	D	NA		Mobil
MCP 1514	11	Decyl alcohol (all isomers)	US	26/04/95	B	3		Mobil
MCP 346A	15	Zinc alkenyl carboxamide	US	06/09/94	C	3		Mobil
MF 293	11	Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	B	3	High viscosity	Lubrizol
MF 845	15	Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	C	3	High viscosity	Lubrizol
MOBIL Solvent Xylene	11	Ethylbenzene	US	04/08/93	B	3		Mobil
Mobil stock 1442	17	Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA	High viscosity	Chevron
Mobilad G210	11	Sulphohydrocarbon (C3-C88)	US	06/07/98	B	3	High viscosity	Mobil
MOSSPAR H	18	Iso and n-alkanes (C10-C24)	SA	05/12/00	III	NA		Mossgas
MOSSPAR M	18	Iso and n-alkanes (C10-C16)	SA	05/12/00	III	NA		Mossgas
Mosstanol 120	18	n-Propyl alcohol	SA	14/05/99	III	NA		Mossgas
Mosstanol H	17	n-Propyl alcohol	SA	14/05/99	D	NA		Mossgas
Mosstanol L	18	Ethyl alcohol	SA	14/05/99	III	NA		Mossgas
Mosstanol P	16	Amyl alcohols	SA	14/05/99	C	3		Mossgas
MPX	4	Cresols (all isomers) with xylenol	SA	17/01/91	A	2		Dvrban
Mud Oil IL 3000	5	White spirit	G		B	2		Esso
NAPGEL C2230	17	Ethylene glycol	B	01/04/97	D	NA		Bp
Nappar 10	16	Alkanes (C6-C9)	B		C	3		Exxon
Nappar 9	16	Alkanes (C6-C9)	B		C	3		Exxon
NEMO 9404	16	Mineral oil	G	05/06/98	C	3	High viscosity	Shell
NEMO 9423	7	White spirit low (15-20%) aromatic	G	05/06/98	B	2		Shell
NEMO 9431	16	Xylenes	G	05/06/98	C	3		Shell
NEMO 9436	16	Xylenes	G	05/06/98	C	3	High viscosity	Shell
NEMO 9439	16	Mineral oil	G	05/06/98	C	3		Shell
NEMO 9441	16	Xylenes	G	05/06/98	C	3	High viscosity	Shell
NEMO 9444	16	Xylenes	NL	03/07/98	C	3		Shell
NEMO 9600	16	Xylenes	G	05/06/98	C	3		Shell
Neodol 23	12	Dodecyl alcohol	G	07/03/88	B	3		Shell
Neodol 245	12	Dodecyl alcohol	US	16/01/98	B	3	High viscosity, Solidifying	Shell
Neodol 25	12	Dodecyl alcohol	US		B	3		Shell
Neodol 3	17	Dodecyl alcohol	US	22/06/90	D	NA		Shell

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
Neodol 91	11 n-Decyl alcohol	G	07/03/88	B	3		Shell
NEXBASE 2002	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Neste
NEXBASE 2004	18 Polyolefin (mw 300+)	B	13/06/97	III	NA		Neste
NEXBASE 2006	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Neste
NEXBASE 2008	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Neste
Odourless mineral spirits	13 n-Paraffins and Isoparaffins	US	02/01/90	B	3		Total Solvent
OGA 330 WXR	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	02/12/93	C	3		Chevron
OGA 472	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	25/11/92	C	3		Chevron
OGA 476BR	15 Polyolefin amine	US	19/11/93	C	3		Chevron
OGA 476BZW	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	30/10/92	C	3		Chevron
OGA 476CX	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	18/04/89	C	3		Chevron
OGA 476TP	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	02/12/93	C	3		Chevron
OGA 476TPC	15 Polyolefin amine in Alkyl (C2-C4) benzenes	US	16/02/94	C	3		Chevron
OGA 478CX	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	04/11/92	C	3		Chevron
OGA 479R	15 Polyolefin amine in Alkyl (C2-C4) benzenes	US	17/02/94	C	3		Chevron
OGA 480	16 Long chain polyetheramine in alkyl (C2-C4) benzenes	US	04/11/92	C	3		Chevron
OGA 492	15 Long chain polyetheramine in alkyl (C2-C4) benzenes	US	25/11/92	C	3	High viscosity	Chevron
OGA 501	15 Polyolefin amide and High molecular weight dicarboxylic acid in xylene	US	04/11/92	C	3		Chevron
OGA 938	4 Alkyl (C5-C9) benzenes	US	28/10/99	A	2		Chevron
OGA 938C	4 Alkyl (C5-C9) benzenes	US	28/10/99	A	2		Chevron
OGP 201	11 Solvent naphtha	G	09/01/95	B	3	High viscosity	Octel
OGP 2367	7 White Spirit	G	09/12/99	B	2	High Viscosity	Octel
OGP 2377	7 White spirit	G	29/03/96	B	2		Octel
OLOA 1200	17 Polyolefin amide alkeneamine (C28+)	US		D	NA		Chevron
OLOA 1200B	17 Polyolefin amide alkeneamine (C28+)	US		D	NA	High viscosity	Chevron
OLOA 1200Z	17 Polyolefin amide alkeneamine (C28+)	US	08/06/89	D	NA		Chevron
OLOA 1510S	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 1510T	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 1592	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	21/08/92	D	NA		Chevron
OLOA 1593	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	21/08/92	D	NA		Chevron
OLOA 219C	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	08/06/89	D	NA		Chevron
OLOA 219E	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
OLOA 219M	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
OLOA 219S	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	21/05/91	D	NA		Chevron
OLOA 219SM	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	07/01/94	D	NA		Chevron
OLOA 246BW	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	31/12/93	D	NA		Chevron

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
OLOA 246S	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA	High viscosity	Chevron
OLOA 247EJ	17 Calcium long chain alkaryl sulfonate (C11-C50)	US	04/12/91	D	NA		Chevron
OLOA 247EW	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	31/12/93	D	NA		Chevron
OLOA 2564E	17 Polyolefin anhydride	US		D	NA		Chevron
OLOA 2850D	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/07/89	B	3		Chevron
OLOA 2850M	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/07/89	B	3		Chevron
OLOA 2939	18 Alkyl phenate sulphide	US	20/05/88	III	NA		Chevron
OLOA 2992	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		Chevron
OLOA 319	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	27/09/88	D	NA		Chevron
OLOA 355	17 Polyolefin amide alkeneamine (C28+)	US	21/01/93	D	NA		Chevron
OLOA 4094	11 Zinc alkyl dithiophosphate (C3-C14) and Polyolefin amide alkeneamine (C28+)	US	06/04/92	B	3		Chevron
OLOA 4096	11 Zinc alkyl dithiophosphate (C3-C14)	US	06/04/92	B	3		Chevron
OLOA 4132N	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	Chevron
OLOA 4159	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	Chevron
OLOA 4162EC	11 Zinc alkyl dithiophosphate C3-C14)	US	28/10/99	B	3	High Viscosity	Chevron
OLOA 4229	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	01/04/91	D	NA		Chevron
OLOA 4260C	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	Chevron
OLOA 4374Q	17 Polyolefin amide alkeneamine (C28+)	US	30/03/90	D	NA		Chevron
OLOA 4375H	17 Polyolefin amide alkeneamine (C28+)	US		D	NA		Chevron
OLOA 4382	17 Polyolefin ester (C28-C250)	US		D	NA		Chevron
OLOA 4848A	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	Chevron
OLOA 4851	11 Zinc alkyl dithiophosphate (C3-C14)	F	11/05/88	B	3		Chevron
OLOA 5085	17 Polyolefin amide alkeneamine borate (C28-C250)	US		D	NA	High viscosity	Chevron
OLOA 5100	17 Polyolefin amide alkeneamine borate (C28-C250)	US		D	NA	High viscosity	Chevron
OLOA 5259	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
OLOA 6064A	11 Alkyl phenol	US	19/01/94	B	3		Chevron
OLOA 6089	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
OLOA 6089A	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
OLOA 6097	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
OLOA 6113	17 Polyolefin amide alkeneamine (C28+)	US	30/03/90	D	NA		Chevron
OLOA 6119	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
OLOA 6125	17 Calcium long chain alkyl phenate sulphide (C8-C40) and Calcium long chain alkaryl sulphonate (C11-C50)	US	21/03/91	D	NA		Chevron
OLOA 6720	18 Polybutene	US	12/07/93	III	NA		Chevron
OLOA 6722	17 Polyolefin amide alkeneamine (C28+)	US	12/07/93	D	NA		Chevron
OLOA 6750	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	Chevron

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
OLOA 6759	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	Chevron
OLOA 6767	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	14/03/94	D	NA		Chevron
OLOA 6769	5 Diphenylamine, reaction product with 2,2,4-trimethylpentene	US	15/03/94	B	2		Chevron
OLOA 6800	17 Polyolefin amide alkeneamine (C28+)	US		D	NA	High viscosity	Chevron
OLOA 6801	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
OLOA 6803	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA	High viscosity	Chevron
OLOA 6804	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
OLOA 6808	17 Polyolefin amide alkeneamine (C28+)	US		D	NA	High viscosity	Chevron
OLOA 6810	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA		Chevron
OLOA 6814	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
OLOA 6816	11 Alkyl phenol	US	19/01/94	B	3		Chevron
OLOA 6820	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 6821	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
OLOA 6821A	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 6824	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 6825	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 6834	11 Zinc alkyl dithiophosphate (C8-C14) and Polyolefin amide alkeneamine polyol	US	16/07/93	B	3		Chevron
OLOA 6838	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	29/01/92	D	NA		Chevron
OLOA 6840	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
OLOA 6842	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/07/89	B	3		Chevron
OLOA 6845	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/07/89	B	3		Chevron
OLOA 6847C	11 Zinc alkyl dithiophosphate (C3-C14)	US	15/03/94	B	3		Chevron
OLOA 6857	17 Polyolefin ester (C28-C250)	US		D	NA		Chevron
OLOA 6860	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
OLOA 6877	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
OLOA 6899	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
OLOA 6987	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		Chevron
OLOA 716	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
OLOA 716P	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
OLOA 752C	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
OLOA 753B	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
OLOA 754E	17 Calcium long chain alkyl phenate sulfide (C8-C40) and Calcium long chain alkaryl sulfonate (C11-C50)	US	21/03/91	D	NA		Chevron
OLOA 754P	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	28/10/99	D	NA		Chevron
OLOA 755	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	28/10/99	D	NA		Chevron
OLOA 756	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
OLOA 756A	17 Calcium long chain alkyl phenate sulfide and Polyolefin amide alkeneamine (C28+)	US		D	NA		Chevron
OLOA 757S	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
OLOA 759E	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
OLOA 759T	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Chevron
OLOA 8361	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 8364	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 8380C	11 Zinc alkyl dithiophosphate (C3-C14)	US	14/06/88	B	3		Chevron
OLOA 857E	15 Zinc alkyl dithiophosphate (C3-C14)	US	27/06/94	C	3		Chevron
OLOA 858B	15 Zinc alkyl dithiophosphate (C3-C14)	US		C	3	High viscosity	Chevron
OLOA 858C	15 Zinc alkyl dithiophosphate (C3-C14)	US	13/10/87	C	3		Chevron
OLOA 859B	15 Zinc alkyl dithiophosphate (C3-C14)	US	29/10/93	C	3		Chevron
OLOA 867	15 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	C	3	High Viscosity	Chevron
OLOA 8709	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/07/89	B	3		Chevron
OLOA 8719	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
OLOA 8719G	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
OLOA 87E	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Ciba Geigy
OLOA 8804	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 8805	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 8805D	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 8807S	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		Chevron
OLOA 8809	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Chevron
OLOA 8810	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/01/90	B	3		Chevron
OLOA 8810T	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/07/92	B	3		Chevron
OLOA 8810TS	15 Zinc alkyl dithiophosphate (C3-C14)	US	11/03/93	C	3		Chevron
OLOA 9000A	15 Zinc alkyl dithiophosphate (C3-C14)	US	25/03/93	C	3		Chevron
OLOA 9000B	11 Zinc alkyl dithiophosphate (C3-C14)	US	25/03/93	B	3		Chevron
OLOA 9000C	11 Zinc alkyl dithiophosphate (C3-C14)	US	07/12/93	B	3		Chevron
OLOA 9100	15 Zinc alkyl dithiophosphate (C3-C14)	US	25/03/93	C	3		Chevron
OLOA 9350	18 Polybutene	US	12/07/93	III	NA		Chevron
OLOA 9357	17 Polyolefin amide alkeneamine (C28+)	US	12/07/93	D	NA		Chevron
OLOA 9830	15 Zinc alkyl dithiophosphate (C3-C14)	US	30/08/94	C	3		Chevron
OMC 586/Petrofree	17 FATTY ESTERS	D	12/08/93	D	NA		Henkel
OSCANOL	18 Ethyl alcohol	US	10/10/00	III	NA		New Orleans Mar. Ser
Oxinol	17 Methyl alcohol	NL	27/10/97	D	NA		Arco
PA02	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Neste

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

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PA04	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Neste
PA06	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Neste
PA08	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Neste
Parabar 9250	17 Polyolefin amide alkeneamine	US	13/09/88	D	NA		Infineum
Paradyne 744	16 Polyolefin amine in aromatic solvent	US	01/07/98	C	3		Infineum
Paradyne 7560	11 Decyl alcohol (all isomers)	US	29/01/96	B	3	High viscosity	Exxon
Paramar 7013	17 Calcium long chain alkyl phenate sulphide (C8-C40)	NL		D	NA		Exxon
Paranox 15	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Exxon
Paranox 16	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	Exxon
Paranox 51	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Exxon
Paranox 52	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		Exxon
Paranox 1142	11 Zinc alkyl dithiophosphate (C3-C14)	F	18/02/91	B	3	High viscosity	Exxon
Paranox 1153	15 Polyolefin amide alkeneamine borate (C28-C250) in mineral oil	US	21/05/91	C	3		Exxon
Paranox 1160	17 Polyolefin amide alkeneamine borate (C28-C250)	AR	21/04/97	D	NA		Exxon
Paranox 1272C	11 Zinc alkyl dithiophosphate (C3-C14)	US	17/05/89	B	3	High viscosity	Exxon
Paranox 1374	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/03/96	B	3	High viscosity	Exxon
Paranox 5292	17 Polyolefin amide alkeneamine borate (C28-C250)	US	07/06/93	D	NA		Exxon
Paranox 5682	11 Zinc alkyl dithiophosphate (C3-C14)	NL	01/07/94	B	3	High viscosity	Exxon
Paranox 5686	11 Zinc alkyl dithiophosphate (C3-C14)	G	16/01/92	B	3	High viscosity	Exxon
Paranox 5689	11 Zinc alkyl dithiophosphate (C3-C14)	G	04/10/95	B	3	High viscosity	Exxon
Paratone 8002	15 Polyolefin (mw 300+) in mineral oil	G	13/07/94	C	3	High viscosity	Exxon
Paratone 8230	15 Polyolefin (mw 300+) in mineral oil	G	15/04/96	C	3		Exxon
Paratone 8232	15 Polyolefin (mw 300+) in mineral oil	US	20/05/93	C	3		Exxon
Paratone 8238	15 Polyolefin (mw 300+) in mineral oil	F	28/06/88	C	3	High viscosity	Exxon
Paratone 8451	15 Polyolefin (mw 300+)	US	20/10/95	C	3		Exxon
Paratone 8468	15 Alkylester Copolymer in mineral oil	US	03/11/94	C	3		Exxon
Paratorq 4599	15 Mineral oil	US	03/04/96	C	3	High viscosity	Exxon
Pazad 93	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	B	3	High viscosity	Lubrizol
Petrinex ASB	5 Dimethylethylbenzene	G		B	2		ICI
Petrostep H-62 Cons	17 Long chain alkaryl sulfonic acid (C16-C60)	US	26/03/90	D	NA		Chevron
Polybutene 32	18 Polybutene	US	15/07/93	III	NA		Chevron
Revinex 85	18 Styrene/Butadiene rubber latex	G		III	NA		
Revinex 85P10	18 Styrene/Butadiene rubber latex	G		III	NA		Doverstrand
Roehm monomer 1165	15 Polyalkyl methacrylate(C11-C20) in mineral oil	US	07/09/87	C	3	High viscosity	Roehm
RT 29	12 Tall oil (crude and distilled)	US	23/11/93	B	3		Arizona
Sabutol	18 Butyl alcohols	US	06/06/89	III	NA		

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

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Santosol DME Dimethyl ester	11 Dimethyl adipate	US	02/04/99	B	3		Solutioa
SAP 1040	15 Zinc alkyl dithiophosphate (C3-C14)	G	09/04/87	C	3		Shell
SAP 1061B	11 Zinc alkyl dithiophosphate (C3-C14)	G	09/04/87	B	3		Shell
SAP 1075A	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 1081A	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 1082	15 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	C	3		Shell
SAP 1084	15 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	C	3		Shell
SAP 1085	15 Calcium long chain alkyl salicylate (C13+)	G	31/01/89	C	3		Shell
SAP 1087	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 1092	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 1093	15 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	C	3		Shell
SAP 1098	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 1101	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 1109	15 Zinc alkyl dithiophosphate (C3-C14)	NL	14/11/88	C	3		Shell
SAP 1120C	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
SAP 1126	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 1127	15 Calcium long chain alkyl salicylate (C13+)	G		C	3		Shell
SAP 1128	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 1136	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
SAP 1137	11 Zinc alkyl dithiophosphate (C3-C14)	NL	12/06/90	B	3		Shell
SAP 1139	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 1139A	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
SAP 1163	11 Zinc alkyl dithiophosphate (C3-C14)	NL	03/01/89	B	3		Shell
SAP 1166	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Shell
SAP 1169	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
SAP 1406	15 Calcium long chain alkyl salicylate (C13+)	B	30/09/94	C	3		Shell
SAP 1414	15 Zinc alkyl dithiophosphate (C3-C14)	B	07/12/95	C	3	High viscosity	Shell
SAP 1500A	11 Zinc alkyl dithiophosphate (C3-C14)	B	15/07/99	B	3	High viscosity	Shell
SAP 1500SP	11 Zinc alkyl dithiophosphate (C3-C14)	NL	15/12/00	B	3	High Viscosity	Shell
SAP 2033	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 2040C	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 2048	15 Zinc alkyl dithiophosphate (C3-C14)			C	3		Shell
SAP 2058	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 2058X	11 Zinc alkyl dithiophosphate (C3-C14)		13/07/92	B	3		Shell
SAP 2062	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 2063	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
SAP 2064	15 Calcium long chain alkyl salicylate (C13+)	NL	14/11/88	C	3		Shell
SAP 2067	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
SAP 2068	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
SAP 2080	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 2081	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 2099	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
SAP 2099A	11 Zinc alkyl dithiophosphate (C3-C14)	B	09/03/95	B	3	High viscosity	Shell
SAP 2101	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
SAP 2129	15 Zinc alkyl dithiophosphate (C3-C14)			C	3		Shell
SAP 2145	15 Calcium long chain alkyl salicylate (C13+)	G		C	3		Shell
SAP 2157	15 Zinc alkyl dithiophosphate (C3-C14)	B	09/03/95	C	3		Shell
SAP 7003	11 Heavy aromatic solvent naphtha	G	29/07/94	B	3		Shell
SAP 907	12 Heavy aromatic solvent naphtha	G	09/04/87	B	3		Shell
SAP 9408K	15 Xylene	B		C	3		Shell
SAP 941	16 Mineral oil	NL	31/01/89	C	3		Shell
SAP 9421K	13 Naphthalenes	NL	04/02/92	B	3		Shell
SAP 9423	7 White spirit	G		B	2		Shell
SAP 9427K	13 Polyolefin acid potassium salt	B	21/07/93	B	3		Shell
SAP 9431	16 Xylenes	G	29/07/94	C	3		Shell
SAP 9439	16 Refined mineral oil	F	17/11/97	C	3		Shell
SAP 9444	16 Xylenes	NL	03/07/98	C	3		Shell
SAP 9600	16 Xylenes	G	29/07/94	C	3		Shell
SAP 991	16 Xylenes	G	29/07/94	C	3		Shell
SAP 991D	16 Xylenes	G	29/07/94	C	3		Shell
Shell 08381	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		Chevron
Shellsol R	11 Solvent naphtha	G	07/03/88	B	3		Shell
SO 400	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	Chevron
Sodium bisulphite solution (40%)	15 Sodium bisulphite solution (40%)	G	29/08/90	C	3		William Blythe
Soltrol 100	16 Nonane (all isomers)	US	06/06/95	C	3		Phillips 66
Soltrol 130	17 iso- and cyclo-alkanes (C10-C11)	US	06/06/95	D	NA		Phillips 66
Solvent 512	16 Methylamyl alcohol	US	12/05/00	C	3		Exxonmobil
SOLVENT BLEND 114	16 Isobutyl alcohol and Octanol	US	12/08/92	C	3		Exxon
Solvesso 150	3 Poly(2+)cyclic aromatics	B		A	2		Exxon
Solvesso 200	3 Poly(2+)cyclic aromatics	B		A	2		
SP 7053	15 Calcium long chain alkyl phenate sulphide (C8-C40)	US	13/01/93	C	3		Chevron
Stock 3046	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	B	3	High viscosity	Lubrizol

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
Stock 3260	11 Diphenylamines, alkylated	B	08/06/98	B	3	High viscosity	Shell
Stock 3288	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	C	3	High viscosity	Lubrizol
Surfol 12/70	12 n-dodecyl alcohol	US	22/06/99	B	3		Huntsman
Surfol 1214	12 Dodecyl alcohol	US	30/08/99	B	3		Huntsman
Trioxitol G	15 Glycols and Glycol ethers	G	07/03/88	C	3		
Varsol 110	3 Alkyl (C5-C8) benzenes	B		A	2		Exxon
Varsol 120	11 Alkyl (C5-C8) benzenes	B		B	3		Exxon
Varsol 140	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Varsol 30	10 Alkyl (C3-C4) benzenes	B		A	3		Exxon
Varsol 40	10 Alkyl (C3-C4) benzenes	B		A	3		Exxon
Varsol 60	3 Alkyl (C3-C4) benzenes	B		A	2		Exxon
Varsol 6017	9 Alkyl (C3-C4) benzenes	B	10/07/97	A	3		Exxon
Varsol 80	3 Alkyl (C5-C8) benzenes	B		A	2		Exxon
Voranol CP3040	17 Polyether polyols	G		D	NA		Dow
Voranol CP3200	17 Polyether polyols	G		D	NA		Dow
Voranol CP3322	17 Polyether polyols	G		D	NA		Dow
Wacker silicate TES 40	17 Tetra ethyl silicate monomer/oligomer blend	B	14/03/97	D	NA		Bp
Waste methanol	13 Toluene	G		B	3		
XA 11226	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/12/87	B	3	High viscosity	Chevron
Y-2360	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	C	3	High viscosity	Lubrizol
YA 266	15 Zinc alkyl dithiophosphate (C3-C14)	US	18/10/99	C	3	High Viscosity	Lubrizol
YA 267	17 Calcium long chain alkyl sulphionate (C11-C50)	US	25/11/99	D	NA		Lubrizol
YA 382	15 Zinc alkyl dithiophosphate (C3-C14)	US	18/10/99	C	3	High Viscosity	Lubrizol
YPAD 81	15 Zinc alkyl dithiophosphate (C3-C14)	US	23/10/00	C	3	High Viscosity	Lubrizol

IMO Tripartite Agreement List 3

Tradename mixtures/substances with safety hazards which are not expected to enter the Code

Tradename	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I	I''	I'''	J	K	L	M	N	O	Company
Bio Add	Formic acid	B	DK	08/05/98	17/12/01	D	S	3	2G	Cont	No	T1	IIA	No	R	T(v) F	A	Y3	E	15.11.2 to 15.11.4, 15.11.6 to 15.11.8, 15.19.6	Bp
BLEND TN-160	Vinyltoluenes	NL	All countries	23/09/96	None	A	S/P	2	2G	Cont	Pad			No	C	F-T	B-D		E	15.12, 15.19.6, 15.21, 16.6.1, 16.6.2	Dow
C9 Resinfeed (DSM)	Naphthalene, Methylstyrene, Vinyltoluene	NL	All countries		None	A	S/P	2	2G	Cont	No	T1	IIA	No	R	F-T	B,D	N1	E	15.13, 15.19.6	Dsm
Catoxid feedstock	Mixture of chlorinated hydrocarbons	NL	All countries		None	B	S/P	2	2G	Cont	No	T1	IIA	No	C	F-T	A,D	Z,N 1	E	15.12, 15.16.1, 15.17, 15.19	
Concentrate 99 (Intertech)	1-(hydroxyethyl)-2-(heptadecenyl)imidazoline	NL	N, SA	15/11/99	17/12/02	B	s/P	3	2G	Cont	No	T2	IIA	No	C	F-T	A	N1	E	15.19	Intertech
Depentanized hydrotreated gasoline (ICI)	Benzene, Styrene and Naphthalene	G	F, NL	09/12/99	17/12/01	B	S/P	3	2G	Cont	No	T1	IIA	No	C	F-T	A,B		No	15.12.1, 15.19, 15.19.6, 16.2.9	ICI
EPON 1124-A-80	Brominated epoxy resin	US	LI, NL, N, PA	22/01/98	17/12/01	A	S/P	2	2G	Cont	No			No	C	F-T	A,B, C,D		E	15.12, 15.16.1, 15.19	Shell
Ethyleneamine EA 1302	Ethyleneamine	NL	All countries	07/03/89	None	C	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	N1	No	15.19.6, 16.2.9	Dow
HITEC 321	Sulphohydrocarbon Long chain (C18+) alkylamine	US	All countries	01/08/93	None	B	S/P	3	2G	Cont	No			Yes	O	No	A		No	15.19.6, 16.2.9, 16.2.6, 16A.2.2	Ethyl
Infineum F7661		NL	AR, LI, N, F	31/08/00	17/12/03	A	S/P	2	2G	Open	No			Yes	O	No	A, B		No	15.19.6, 15.20, 16.6.1 to 16.6.3	Infineum
Isoprene concentrate (Shell)	Isoprene with Pentanes and Pentenes	NL	All countries	05/12/91	None	C	S/P	3	2G	Cont	No	T3	IIA	No	R	F	B		No	15.13, 15.14, 16.6.1, 16.6.2	Shell
NEMO 7021	Alkyl (C7-C9) nitrates and Dodecylamine/Tetradecylamine mixtures	G		05/06/98	17/12/01	B	S/P	2	2G	Cont	No			Yes	R	T	A,D	N2	No	15.19.6	Shell
NEMO 7062		F	N, AR	25/04/00	17/12/03	B	S/P	2	2G	Open	No			Yes	O	No	A, B		No	15.19.6, 15.20, 16.6	Infineum
NIAX POLYOL APP 240C	Phthalate based polyester polyol	US	All countries	21/12/90	None	D	S	3	2G	Open	No			Yes	O	No	A		No		Union Carbide
Resin Intermediate RI-1116		US	LI, NL	13/11/98	17/12/01	D	S	3	2G	Open	No			No	Ope n	F	A, C, D		No	15.16.1, 15.19.6	Texmark
Roehm monomer 6615	Methacrylates (C12-C15)	D	All countries	21/09/94	None	D	S	3	2G	Cont	No			Yes	R	No	ACD	N4	No	15.12.1, 15.13, 15.17, 15.19.6, 16.6.1, 16.6.2	Roehm
ROUNDUP	Glyphosate (containing corrosive surfactant)	US	All countries	01/02/90	None	B	S/P	3	2G	Open	No			Yes	O	No	AB	Y1	No	15.19.6, 16.2.6	Monsanto
SAP 7001	Alkyl (C7-C9) nitrates	NL	All countries	22/09/92	None	B	S/P	2	2G	Open	No			Yes	O	No	A,B		No	15.19.6, 15.20, 16.6.1 to 16.6.3	Shell
Ucarsol CR Solvent 302 SG	Methyldiethanolamine blend	US	All countries	23/01/91	None	D	S	3	2G	Open	No			Yes	O	No	A	N2	No		Union Carbide

IMO Tripartite Agreement List 4
Pollutant only mixtures with >3% unassessed components

Tradename	n.o.s.	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	ST	Remark	Company
Aromatic polyester polyol, Diethylene glycol mixture			US	B, LI, NL, PA	20/10/98	17/12/01	C	3		Hoechst
Benzoflex 2088	17	Diethylene glycol dibenzoate	US	BS, GR, LI, NL, N, PA, VQ, G	30/03/99	17/12/02	[D]	NA		Velsicol
Benzoflex 2160	17	Diethylene glycol dibenzoate	US	BS, GR, LI, NL, N, PA, VQ, G	02/04/99	17/12/02	[D]	NA		Velsicol
Benzoflex 2466	17	Diethylene glycol dibenzoate	US	BS, GR, LI, NL, N, PA, VQ, G	02/04/99	17/12/02	[D]	NA		Velsicol
Benzoflex 2860	17	Diethylene glycol dibenzoate	US	BS, GR, LI, NL, N, PA, VQ, G	02/04/99	17/12/02	[D]	NA		Velsicol
Benzoflex 2888	17	Diethylene glycol dibenzoate	US	BS, GR, LI, NL, N, PA, VQ, G	30/03/99	17/12/02	[D]	NA		Velsicol
Benzoflex 50	17	Dipropylene glycol dibenzoate	US	HX, MA, RS, BS, GR, LI, N, PA, VQ, G	07/04/99	17/12/02	[D]	NA		Velsicol
Coatex M 777	18	Sodium poly(4+)acrylate solution	F		18/05/98	17/12/01	III	NA		Coatex
Coatex PSO 70	18	Sodium poly(4+)acrylate solution	F		18/05/98	17/12/01	III	NA		Coatex
FINAGREEN BDMF	17	Ester of unsaturated long chain fatty acid	B		04/09/98	17/12/01	D	NA		Fina
FLO MO 1407	11	Ethoxylated tallow alkylamine	US	BS, N, PA, RS	31/08/00	17/12/03	B	3	High Viscosity	Crompton Corporation
FLO MO TD-20A	11	Ethoxylated tallow amine	US	AR, BS, BR, LI, PA, RS	08/06/99	17/12/02	B	3	High viscosity, Solidifying	Mandava
HiTEC 1227	5	tertiary Butyl phenols	US		30/10/98	17/12/03	B	2	High viscosity, Solidifying	Ethyl
HiTEC 2404	11	2,6-ditertiary butyl phenol	US	B, BS, LI, N, PA, RS	28/06/99	17/12/02	B	3	High viscosity, Solidifying	Ethyl
HiTEC 4733	1	2,6-ditert-butyl phenol	US	All countries	24/05/90	17/12/03	A	1		Ethyl
HiTEC 8101	5	2,6-Ditertiary butyl phenol	B	All countries	27/02/98	17/12/03	B	2	High viscosity	Ethyl
HiTEC 8576	5	2,6-Di-tert-butyl phenol	B		14/03/97	17/12/03	B	2	High viscosity	Ethyl
HiTEC 8612P	3	2,6-di-tert-butylphenol	B		10/04/00	17/12/03	A	2		Ethyl

IMO Tripartite Agreement List 4
Pollutant only mixtures with >3% unassessed components

Tradename	n.o.s.	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	ST	Remark	Company
HiTEC 8680	5	2,6-ditert-Butyl phenol	B		15/05/97	17/12/03	B	2	High viscosity	Ethyl
HiTEC 9500	1	2,6-Ditert-Butylphenol	B		17/01/00	17/12/03	A	1		Ethyl
LUBAD 1014	11	Zinc alkyl dithiophosphate	US	AR, AA, BS, B, BR, CA, CN, DK, F, D, HX, I, K, LI, NL, N, PA, RS, SA, E, S, CH, TR, G	08/06/00	17/12/03	B	3	High Viscosity	Lubrizol
LUBAD 972	5	2,6-ditertiary-butyl phenol	B		27/02/98	17/12/03	B	2	High viscosity	Ethyl
LUBRIZOL 4982B	11	Zinc alkyl dithiophosphate (C3-C14)	US	AR, AA, BS, B, BR, CA, CN, DK, F, D, HX, I, K, LI, NL, N, PA, RS, SA, E, S, CH, TR, G	08/06/00	17/12/03	B	3	High Viscosity	Lubrizol
MOBILAD G252	3	Alkyl (C12-C14) amines	US	BS, B, GR, LI, NL, N, PA, VQ, RS	21/04/99	17/12/02	A	2		Mobil

ANNEX 5
LIST OF COUNTRY ABBREVIATIONS

Part 1 - Code Order

Code	Country	Code	Country
A	Austria	CI	Cote d'Ivoire
AA	Australia	CL	Chile
AB	Albania	CN	China
AF	Afghanistan	CO	Colombia
AK	Antigua and Barbuda	CR	Costa Rica
AN	Angola	CU	Cuba
AR	Argentina	CV	Cape Verde
B	Belgium	CY	Cyprus
BD	Bostswana	D	Germany
BDI	Burundi	DH	Qatar
BF	Burkina Faso	DJ	Djibouti
BG	Bulgaria	DK	Denmark
BH	Bosnia and Herzegovina	DO	Dominica
BI	Guinea Bissau	DR	Dominican Republic
BJ	Bangladesh	DZ	Algeria
BM	Myanmar	E	Spain
BN	Benin	ED	Ecuador
BN	Bahrain	EE	Estonia
BR	Brazil	EG	Equatorial Guinea
BS	Bahamas	EI	Ireland
BT	Bhutan	EM	United Arab Emirates
BU	Brunei Darussalam	ER	Eritrea
BV	Bolivia	ET	Ethiopia
BZ	Belize	F	France
C	Czech Republic	FJ	Fiji
CA	Canada	FL	Liechtenstein
CE	Sri Lanka	FM	Micronesia (Federated States of)
CH	Switzerland	G	United Kingdom

Code Country

GA	Grenada
GE	Guinea
GH	Ghana
GI	Georgia
GO	Gabon
GR	Greece
GU	Guatemala
GV	Gambia
GY	Guyana
H	Hungary
HN	Haiti
HO	Honduras
HQ	Solomon Islands
HX	Hong Kong, China (Associate Member)
I	Italy
IA	Indonesia
IK	Iraq
IL	Israel
IN	India
IR	Iran (Islamic Republic of)
IS	Iceland
IW	Mauritius
J	Japan
JA	Jamaica
JO	Jordan
K	Korea, Republic of
KA	Cambodia
KC	Saint Kitts and Nevis
KD	Chad
KE	Kenya
KG	Congo
KH	Kyrgyzstan
KI	Kiribati

Code Country

KN	Cameroon
KO	Comoros
KP	Korea, Democratic People's Republic of
KT	Kuwait
KZ	Kazakhstan
LC	Saint Lucia
LE	Lebanon
LI	Liberia
LO	Lesotho
LS	Lao People's Democratic Republic
LU	Luxembourg
LV	Latvia
LY	Libyan Arab Jamahiriya
M	Morocco
MA	Malaysia
MD	Moldova, Republic of
ME	Mexico
MF	Maldives
MG	Madagascar
MH	Mongolia
MI	Malawi
MJ	Mali
MO	Mozambique
MQ	Mauritania
MS	Marshall Islands
MW	Malta
N	Norway
NE	Papua New Guinea
NG	Nigeria
NH	Vanuatu
NI	Niger
NK	Nicaragua
NL	Netherlands

Code Country

NP Nepal
 NZ New Zealand
 ON Oman
 P Portugal
 PA Panama
 PE Peru
 PH Philippines
 PK Pakistan
 PL Poland
 PY Paraguay
 R Romania
 RC Central African Republic
 RH Croatia
 RS Singapore
 RW Rwanda
 S Sweden
 SA South Africa
 SB Samoa
 SD Sudan
 SF Finland
 SG Senegal
 SI Slovenia
 SJ Saudi Arabia
 SK Slovakia
 SL Sierra Leone
 SM Somalia
 SN Suriname
 SO San Marino
 SR El Salvador
 ST Sao Tome et Principe
 SU Russian Federation
 SY Syrian Arab Republic
 SZ Seychelles

Code Country

TG Togo
 TH Thailand
 TJ Tajikistan
 TM Turkmenistan
 TN Tunisia
 TR Turkey
 TS Tonga
 TV Tuvalu
 UG Uganda
 UN Egypt
 US United States
 UX Ukraine
 UY Uruguay
 UZ Uzbekistan, Republic of
 VC Venezuela
 VQ Saint Vincent and the Grenadines
 VT Viet Nam
 WB Barbados
 WD Swaziland
 WG Trinidad and Tobago
 WK Namibia
 YE Yemen
 YU Yugoslavia
 ZA Zambia
 ZR Congo, Democratic Republic of the
 ZV Nauru
 ZW Zimbabwe

ANNEX 5
LIST OF COUNTRY ABBREVIATIONS

Part 2 - Country Order

Code	Country	Code	Country
AF	Afghanistan	RC	Central African Republic
AB	Albania	KD	Chad
DZ	Algeria	CL	Chile
AN	Angola	CN	China
AK	Antigua and Barbuda	CO	Colombia
AR	Argentina	KO	Comoros
AA	Australia	KG	Congo
A	Austria	ZR	Congo, Democratic Republic of the
BS	Bahamas	CR	Costa Rica
BN	Bahrain	CI	Cote d'Ivoire
BJ	Bangladesh	RH	Croatia
WB	Barbados	CU	Cuba
B	Belgium	CY	Cyprus
BZ	Belize	C	Czech Republic
BN	Benin	DK	Denmark
BT	Bhutan	DJ	Djibouti
BV	Bolivia	DO	Dominica
BH	Bosnia and Herzegovina	DR	Dominican Republic
BD	Bostswana	ED	Ecuador
BR	Brazil	UN	Egypt
BU	Brunei Darussalam	SR	El Salvador
BG	Bulgaria	EG	Equatorial Guinea
BF	Burkina Faso	ER	Eritrea
BDI	Burundi	EE	Estonia
KA	Cambodia	ET	Ethiopia
KN	Cameroon	FJ	Fiji
CA	Canada	SF	Finland
CV	Cape Verde	F	France

Code Country

GO	Gabon
GV	Gambia
GI	Georgia
D	Germany
GH	Ghana
GR	Greece
GA	Grenada
GU	Guatemala
GE	Guinea
BI	Guinea Bissau
GY	Guyana
HN	Haiti
HO	Honduras
HX	Hong Kong, China (Associate Member)
H	Hungary
IS	Iceland
IN	India
IA	Indonesia
IR	Iran (Islamic Republic of)
IK	Iraq
EI	Ireland
IL	Israel
I	Italy
JA	Jamaica
J	Japan
JO	Jordan
KZ	Kazakhstan
KE	Kenya
KI	Kiribati
KP	Korea, Democratic People's Republic of
K	Korea, Republic of
KT	Kuwait
KH	Kyrgyzstan

Code Country

LS	Lao People's Democratic Republic
LV	Latvia
LE	Lebanon
LO	Lesotho
LI	Liberia
LY	Libyan Arab Jamahiriya
FL	Liechtenstein
LU	Luxembourg
MG	Madagascar
MI	Malawi
MA	Malaysia
MF	Maldives
MJ	Mali
MW	Malta
MS	Marshall Islands
MQ	Mauritania
IW	Mauritius
ME	Mexico
FM	Micronesia (Federated States of)
MD	Moldova, Republic of
MH	Mongolia
M	Morocco
MO	Mozambique
BM	Myanmar
WK	Namibia
ZV	Nauru
NP	Nepal
NL	Netherlands
NZ	New Zealand
NK	Nicaragua
NI	Niger
NG	Nigeria
N	Norway

Code Country

ON Oman
 PK Pakistan
 PA Panama
 NE Papua New Guinea
 PY Paraguay
 PE Peru
 PH Philippines
 PL Poland
 P Portugal
 DH Qatar
 R Romania
 SU Russian Federation
 RW Rwanda
 KC Saint Kitts and Nevis
 LC Saint Lucia
 VQ Saint Vincent and the Grenadines
 SB Samoa
 SO San Marino
 ST Sao Tome et Principe
 SJ Saudi Arabia
 SG Senegal
 SZ Seychelles
 SL Sierra Leone
 RS Singapore
 SK Slovakia
 SI Slovenia
 HQ Solomon Islands
 SM Somalia
 SA South Africa
 E Spain
 CE Sri Lanka
 SD Sudan
 SN Suriname

Code Country

WD Swaziland
 S Sweden
 CH Switzerland
 SY Syrian Arab Republic
 TJ Tajikistan
 TH Thailand
 TG Togo
 TS Tonga
 WG Trinidad and Tobago
 TN Tunisia
 TR Turkey
 TM Turkmenistan
 TV Tuvalu
 UG Uganda
 UX Ukraine
 EM United Arab Emirates
 G United Kingdom
 US United States
 UY Uruguay
 UZ Uzbekistan, Republic of
 NH Vanuatu
 VC Venezuela
 VT Viet Nam
 YE Yemen
 YU Yugoslavia
 ZA Zambia
 ZW Zimbabwe

ANNEX 6
OIL-LIKE SUBSTANCES

Substance	Pollution Category	Hazard	Ship Type
Aviation alkylates (C8 paraffins and iso-paraffins BPT 95 - 120°C) (bb)	(C)	P	3
Cycloheptane (bb)	(C)	P	3
Cyclohexane (bb)	C	P	3
Cyclopentane (bb)	(C)	P	3
p-Cymene (bb)	C	P	3
Ethylcyclohexane (bb)	(C)	P	3
Heptane (all isomers) (bb)	(C)	P	3
Heptene (all isomers) (bb)	C	P	3
Hexane (all isomers) (bb)	(C)	P	3
Hexene (all isomers) (bb)	(C)	P	3
Isopropylcyclohexane (bb)	(C)	P	3
Methylcyclohexane (bb)	(C)	P	3
Nonane (all isomers) (bb)	(C)	P	3
Octane (all isomers) (bb)	(C)	P	3
Olefin mixtures (C5-C7) (bb)	C	P	3
Pentane (all isomers) (bb)	(C)	P	3
Pentene (all isomers) (bb)	C	P	3

NA means that the product is listed in chapter 18 of the IBC Code

MEPC.2/Circ.6

ANNEX 6

Page 2 of 2

Substance	Pollution Category	Hazard	Ship Type
1-Phenyl-1-xylyl ethane (bb)	C	P	3
Propylene dimer (bb)	(C)	P	3
Tetrahydronaphthalene (bb)	C	P	3
Toluene (bb)	C	P	3
Xylenes (bb)	C	P	3

NA means that the product is listed in chapter 18 of the IBC Code

ANNEX 7
SUBSTANCES NOT SHIPPED IN PURE FORM BUT
AS COMPONENTS IN MIXTURES

Substance	Pollution Category	Hazard	Ship Type
Borax	D		NA
Chlorinated paraffins (C18+) with any level of chlorine	D		NA
Diphenylol propane	[B]		[3]
Methylene bridged isobutenylated phenols	(B)	P	(3)
Nalco 5740S Antifoam	[B]		[3]
Polyether, borated	B	P	3
Poly (17+) olefin amine	C	P	3
Sodium nitrate	III		NA
Sodium nitrite (solid)	B		3
Tolyl triazole	[C]		[3]

NA means that the product is listed in chapter 18 of the IBC Code

ANNEX 8

TRIPARTITE CONTACT ADDRESSES

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ANNEX 9

LIST OF MANUFACTURERS AUTHORIZED TO CONDUCT POLLUTANT-ONLY ASSESSMENTS BY CALCULATION

Belgium

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Heronbridge House
Chester Business Park
Chester CH4 9QA

France

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Shell Chemicals U.K
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ANNEX 10
LUBE-OIL ADDITIVES

Substance	Pollution Category	Hazard	Ship Type
Alkaryl polyethers (C9-C20)	B	P	3
Alkenyl (C11+) amide	D		NA
Alkyl(C8+)amine, Alkenyl (C12+) acid ester mixture	D		NA
Alkyl (C11-C17) benzene sulphonic acid	B	S/P	3
Alkylbenzene sulphonic acid, sodium salt solution	C	P	3
Alkyldithiothiadiazole (C6-C24)	D		NA
Alkyl (C8-C40) phenol sulphide	D		NA
Alkyl (C8-C9) phenylamine in aromatic solvents	A	P	3
Alkyl(C10-C20, saturated and unsaturated) phosphite	C	P	3
Aryl polyolefins (C11-C50)	D		NA
Boric acid	D		NA
Calcium alkyl (C9) phenol sulphide/Polyolefin phosphorusulphide mixture	A	P	2
Calcium long-chain alkaryl sulphonate (C11-C50)	D		NA
Calcium long-chain alkyl(C5-C10) phenate	C	P	3
Calcium long-chain alkyl(C11-C40) phenate	D		NA
Calcium long-chain alkyl phenate sulphide (C8-C40)	D		NA
Calcium long-chain alkyl phenolic amine (C8-C40)	III		NA

NA means that the product is listed in chapter 18 of the IBC Code

Substance	Pollution Category	Hazard	Ship Type
Calcium long-chain alkyl salicylate (C13+)	C	P	3
Chlorinated paraffins (C18+) with any level of chlorine	D		NA
Dialkyl (C8-C9) diphenylamines	D		NA
Dibutyl hydrogen phosphonate	B	P	3
Diphenylamine, reaction product with 2,2,4-Trimethylpentene	(A)	S/P	1
Diphenylamines, alkylated	A	P	2
Dodecyl hydroxypropyl sulphide	A	P	1
Glycerol monooleate	D		NA
Long-chain alkaryl polyether (C11-C20)	C	P	3
Long-chain alkaryl sulphonic acid (C16-C60)	D		NA
Long-chain alkylphenate/Phenol sulphide mixture	III		NA
Magnesium long-chain alkaryl sulphonate (C11-C50)	D		NA
Magnesium long-chain alkyl salicylate (C11+)	C	P	3
Olefin-Alkyl ester copolymer (molecular weight 2000+)	D		NA
Oleylamine	A	S/P	2
Phosphate esters, alkyl (C12-C14) amine	B	P	3
Polyalkyl (C10-C20) methacrylate	D		NA
Polyether (molecular weight 2000+)	D		NA
Polyether, borated	B	P	3
Polyisobutenyl anhydride adduct	III		NA

NA means that the product is listed in chapter 18 of the IBC Code

Substance	Pollution Category	Hazard	Ship Type
Polyolefin (molecular weight 300+)	III		NA
Polyolefin amide alkeneamine borate (C28-C250)	D		NA
Polyolefin amide alkeneamine polyol	D		NA
Polyolefinamine (C28-C250)	C	P	3
Polyolefinamine in alkyl (C2-C4) benzenes	(C)	P	3
Polyolefin aminoester salt	(C)	P	3
Polyolefin anhydride	D		NA
Polyolefin ester (C28-C250)	D		NA
Polyolefin phenolic amine (C28-C250)	D		NA
Polyolefin phosphorusulphide, barium derivative (C28-C250)	C	P	3
Sulphohydrocarbon (C3-C88)	D		NA
Sulpho hydrocarbon long chain (C18+) alkylamine mixture	B	P	3
Sulphurized fat (C14-C20)	D		NA
Sulphurized polyolefinamide alkene (C28-C250) amine	D		NA
Tall oil fatty acid, barium salt	B	S/P	3
Zinc alkaryl dithiophosphate (C7-C16)	(C)	P	3
Zinc alkyl dithiophosphate (C3-C14)	B	P	3

NA means that the product is listed in chapter 18 of the IBC Code

ANNEX 11
HYDROCARBON FAMILIES IN THE IBC CODE

Substance	Pollution Category	Hazard	Ship Type
Alkanes (C6-C9)	(C)	P	3
Iso- and cyclo-alkanes (C10-C11)	D		NA
Iso- and cyclo-alkanes (C12+)	III		NA
n-Alkanes (C10+)	III		NA
Alkyl (C3-C4) benzenes	A	P	3
Alkyl (C5-C8) benzenes	A	P	2
Alkyl(C9+)benzenes	III		NA
Poly(2+)cyclic aromatics	A	P	2

NA means that the product is listed in chapter 18 of the IBC Code

ANNEX 12

**CLEANING ADDITIVE EVALUATED AND FOUND TO MEET
THE REQUIREMENTS OF PARAGRAPH 1.8.2 OF THE P&A STANDARDS**

Manufacturer	Name of Cleaning Additive
AQUAMARINE Chemicals	Tank Cleaner H.D. Microclean Alkaline Cleaner Aluminium Cleaner Aquawash H.D. Cleaner H.D. Strong Alkaline Cleaner Rust Remover
Ashland Chemical	ENVIROCARE 720
Ashland Chemical Comp. (Drew Ameroid Marine Division)	ENVIROCARE 900 ENVIROCARE 880 Heavy Duty Cleaner ENVIROCARE 770 ENVIROCARE 700 ENVIROCARE 570 ENVIROCARE 920 ENVIROCARE 500 ENVIROMATE® 2000 General Purpose Cleaner ENVIROCARE™ 485 Heavy Duty Cleaner ENVIROCARE 120 Cleaner Dispersant ENVIROCARE 370 ENVIROCARE 440 Tank Cleaner ENVIROCARE 550 ENVIROCARE 960 ENVIROCARE 110 Ameroid Rust Stain Remover ENVIROCARE 480 Tank Cleaner
Beauty Co. LTD.	Coco Clean
CHEMTEC Consulting GmbH	CTC - Cleaner - VLC
Corpex Technologies	KIRASOL - 360 KIRASOL - 340 KIRASOL 317 KIRASOL 361 KIRASOL 370 KIRASOL 371
Drew Ameroid	LAC Liquid Alkaline Cleaner

Manufacturer**Name of Cleaning Additive**

Drew Ameroid

EDGE

Ellis & Everard

NALFLEET 9088

NALFLEET 010 - Oil Spill Concentrate

Enviro-Tech Specialities

Sodium Perborate

Latex Remover

Rust Kleen

HCF Neutral Kleen

Metal Brightener / S-D / #4

Owl #8 / Buffer Clean / Inhibitor Cleaner

Owl #10 / Acrylate Cleaner

Owl #12 / Teepol

Acrylate Kleen

Enviro Kleen Blue

Waterbased Alka Kleen / LAC / #5

Pickling Kleen L

Owl #8 / Buffer Clean

Waterbased Alkaline / B-3

Alka Kleen SAF S-C / #3

Liquid Alkaline Kleen / LAC / S-LAC / #5

Passivation Kleen L

Citri Kleen WB

Coal Tar Clean

Enviro Chlor / #7

Enviro Kleen Safe

KIRASOL - 340

Environmental Scientific Inc.

US Clean

Fuji Coral Co. LTD.

TOPIC 21

Fujicoral III

Henkel

P3 - GRATO 60 Marine

P3 - FD Marine

P3 - GRATO 50 Marine

P3 - GRATO 80 Marine

P3 - GRATO STLS Marine

P3 - NA Marine

P3 - T 1166 Marine

P3 - GRATO 14 Marine

Kao Corp.

HAIZEN S-100

FAMILY FRESH

Kurita Water Industries LTD.

KURIPAL PK-100

KURIPAL PK-842

Lion Corp.

LIPOMIX M

Loctite Japan

LOCTITE Natural Blue

Manufacturer

Loctite Japan
MARICHEM MARIGASES Worldwide

Marine Care

Maritech Marine Technologies AB

MASTEC Co. LTD.

Name of Cleaning Additive

LOCTITE Fragrance Free Natural Blue
General Cleaning & Solvent
Alkactive Liquids
Tank Cleaner
Alka Kleen HD
Rust Shield Phos
Rust Remover
Bilge Cleaner
Careclean Chlor
Careclean Airfresh
Careclean Alkaline
Careclean Aquawash
Careclean Buffer
Careclean Voyage
Careclean GP
Careclean HD
Careclean HD Split
Careclean Hydro Carbon Free
Careclean Neutral HCF
Careclean Passivating Liquid
Careclean Alkaline Extra
Careclean Pickling Liquid
Careclean Rust
Careclean Degreaser GP
MARISOL PC, Pipe cleaner
MARISOL RC, Reefer cleaner
MARISOL SR, Soot remover
MARISOL FC, Fuel oil separator circ. cleaner
MARISOL MB, Metal brightener
MARISOL Rw+, Rust wash, strengthened
MARISOL LR, Limestone remover
MARISOL GD, General cleaner & degreaser
MARISOL DC, Separator disc cleaner
MARISOL CR, Carbon remover
MARISOL CD, Cleaner & degreaser
MARISOL AP, All purpose cleaner
MARISOL AC, Air cooler cleaner
MARISOL HD, Heavy duty cleaner
MARISOL LC, Liquid alkaline cleaner
MAC SUSBRIGHT
MAC AC-F
MAC AC-H

Manufacturer**Name of Cleaning Additive**

MASTEC Co. LTD.

MAC AC-N
MAC ALKID
MAC DUAL CLEAN
MAC HC10
MAC HC-100
MAC HD
MAC SAFETY ALKID
MAC PRIME

NALFLEET

79107 "Sea Shield" Disc/Filter Clean

NALFLEET Marine Chemicals

79110 "Sea Shield" Multiclean

NALFLEET 79104 "Sea Shield" Heavy Duty Cleaner

NALFLEET Electroclean

NALFLEET 79109 "Sea Shield" Tank Alklean

NALFLEET 79112 "Sea Shield" Metal Brightener

NALFLEET 79115 "Sea Shield" Degreaser

NALFLEET 79118 "Sea Shield" Detergent Cleaner

TANK ALKLEEN

79116 "Sea Shield" Safe Acid Powder

NALFLEET 79105 "Sea Shield" Alkaline Cleaner

NALFLEET 79102 "Sea Shield" Oil Dispersant

NALFLEET 79103 "Sea Shield" Clearbreak

NALFLEET Safe Acid Powder

NALFLEET Rust Remover & Metal Brightener (9-061)

Alkaline Cleaner

NEOS Comp. LTD.

NEOS ONE 2

NEOS FD-20

NEOS FD-7

NEOS FD-1

Nihon Kosan Co. Ltd.

NICOL Clean 80

NICOL Clean

Nippon Yuka Kogyo Co. LTD.

HI - NOC

YUNISOL SH

YUNISOL AC

YUNISOL SS

Performance Chemicals Ltd.

Quickbreak

Alklean Buffered

RIBARO B.V.

Aquaquick 2000 SP

Schmitt u. Fintelmann (INLABCO)

Watensol

Settsu Oil Mill LTD.

TS -1

Metalon M

Settsu Clean

Diver Clean

Manufacturer**Name of Cleaning Additive**

Seven Rivers Co. LTD.

GOAL L-3

Shell Chemicals

Shell Universal-Reiniger A 151

TAIHO Industries Co. LTD.

KURICLEAN #12

KURICLEAN #11

TAIHO Industries Comp. LTD.

KURICLEAN No.1000

KURICLEAN 10

KURICLEAN No.100

KURICLEAN 10P

Teepol LTD.

Super Teepol

New Teepol

Teepol Green S

Teepol Green

Teepol Eight

C Clean

Tesco Co. LTD.

Toho Cactus Clean W1

Toho Cactus Clean FC

Toho Cactus Clean L-10A

Toho Cactus Clean H-2

Tevan

Vetvrij

UNISERVE Americas Inc.

EcoClean

MARISOL

Bleach Substitute

Alkaclean Safety

Alkaclean

Uniclean AP Enviro

Uniclean AP Powder

Uniclean Break

Rust Remover

Rust Off

Uniclean GP

Hydrocarbon Remover

Uniclean HD

Uniclean Tank

Genepol

Uniservice Americas, Inc.

Air Cooler Cleaner

Cold Wash

Seaclean

Uniclean Carbon

Uniclean OSD Enviro

UNITOR

Alkleen Liquid

Alkleen Safety Liquid

Aquabreak PX

Manufacturer

UNITOR

UNITOR Chemicals

VECOM

Name of Cleaning Additive

Unitor Amwash

Uniwash

Cleanbreak

Enviroclean

HP Wash

Fore & Aft

Leadclean

TANKLEEN Plus

Veclean Electro

S-E (Liquid caustic soda)

Vecochlor

Vecofloc

Vecosan Rustcleaner

Product Formula No. 5 (Caustic Alkaline Cleaner)

Multi Cleaner / TP-02

Bufferclean

Product Formula No. 2 (Degreaser HD)

Product Formula No. 3 (Edible Oil Remover)

Passivating Liquid / L-800

Neutral Vegoil Cleaner #3

Veclean Clear Break

Pickling Spray

Pickling Liquid / L-600

Waterbased Alkaline / B-3

Waterbased Alkaline HD / Steamclean B-2 Liquid

Lead Cleaner #8

Waterbased Neutral HCF/B-4

Product Formula No. 4 (Metal Brightner)

Steamclean HPC-NF

Tankclean HCF

ECS Quick Dry

Tankclean at Sea

S-X (Acrylate neutralizer)

Degreaser Super #2

Veclean Tank

Degreaser GP / B-24-B

Veclean Blue / Blauw

S-LAC (Caustic Alkaline Cleaner)

Product Formula No. 8/11 (Lead Remover / Inhibitor Killer)

Product Formula No. 6 (Hydrocarbon Remover)

Product Formula No. 7 (Dye out)

S-HCF (Hydrocarbon Remover)

Manufacturer

VECOM

Wash Specialties, Inc.

Yule Catto Consumer Chemicals

Name of Cleaning Additive

Product Formula No. 10 (Acrylate neutralizer)

Product Formula No. 12 (Liquid soap)

S-B (Degreaser HD)

S-C (Edible Oil Remover)

S-D (Metal Brightner)

Caustic Alkaline Cleaner (LAC) #5

Slaytex

Paratrooper

Nalfloc Maxiclean 2

Nalfloc Alkats Cleaner 65 (NALD 65)

Nalfloc Alkats Cleaner 65 (NALC 65)

MOD Quick Break Degreaser
