

4 ALBERT EMBANKMENT
LONDON SE1 7SR
Telephone: +44 (0)20 7735 7611 Fax: +44 (0)20 7587 3210

MEPC.2/Circ.22
1 December 2016

PROVISIONAL CATEGORIZATION OF LIQUID SUBSTANCES IN ACCORDANCE WITH MARPOL ANNEX II AND THE IBC CODE

1 Introduction

This circular is issued in accordance with regulation 6.3 of MARPOL Annex II, replacing all previously issued circulars under this title.

2 Lists of annexes

2.1 The circular includes the following annexes:

- annex 1:** List 1: Pure or technically pure products and mixtures assessed as a whole;
- annex 2:** List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO;
- annex 3:** List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards;
- annex 4:** List 4: Pollutant only mixtures containing one or more components, forming more than 1% by weight of the mixture, which have not yet been assessed by IMO;
- annex 5:** List 5: Substances not shipped in pure form but as components in mixtures;
- annex 6:** Synonyms for vegetable oils;
- annex 7:** Country abbreviations;
- annex 8:** Tripartite agreement contact addresses;
- annex 9:** Manufacturers authorized to conduct pollutant-only assessments by calculation;
- annex 10:** Cargo tank cleaning additives; and
- annex 11:** Biofuels recognized under the *2011 Guidelines for the carriage of blends of petroleum oil and biofuels*.

2.2 Annexes 1 to 5 set out lists of Noxious Liquid Substances (NLS) (or products, as they are referred to hereinafter), by category, with associated carriage requirements, as assessed and confirmed by the ESPH Working Group of the PPR Sub-Committee, or as established under tripartite agreements and communicated to the Organization, in accordance with regulation 6.3 of MARPOL Annex II. Annexes 6 to 8 and 11 are intended to facilitate the reporting of tripartite agreements and the interpretation of abbreviations used in annexes 1 to 5.

3 Notes related to the annexes

Product lists (Annexes 1 to 5)

3.1 The majority of products contained within this circular are trade-named substances. Since trade names are not translated, these products have been recorded exactly as communicated to the Organization and the lists are issued in English only.

3.2 The present circular incorporates the following amendments to the information set out in the previous circular (i.e. MEPC.2/Circ.21 and MEPC.2/Circ.21/Rev.1):

- .1 any new products, trade-named mixtures, and cleaning additives that have been assessed by the ESPH Working Group during the year;
- .2 amendments to existing product entries included in the product lists; and
- .3 new product entries covered by any new tripartite agreements communicated to the Organization since MEPC.2/Circ.21.

3.3 Any amendments made to the product lists (annexes 1 to 5) since the previous issue of MEPC.2/Circ.21 are identified by shading of the field in which a change has been made.

3.4 In certain cases, products may have been deleted from the product lists due to the following reasons:

- .1 changes have been made to the product names (trade-named products);
- .2 withdrawal of products that are no longer manufactured or shipped (trade-named products); or
- .3 entries that were covered by tripartite agreements and have reached their expiry dates, but which have not been assessed during the period specified in the tripartite agreement.

3.5 Notwithstanding the above, if a tripartite agreement expires, or there is a change in carriage requirements for a product from the preceding to the new circular, while a shipment is in transit, then the carriage requirements at time of loading will apply.

3.6 Products marked with an asterisk (*) indicate that deviations from the normal assignment criteria, as set out in chapter 21 of the IBC Code, were used for the assignment of certain carriage requirements, based on expert judgement.

3.7 The definition of List 1 products, as contained in the present circular, corresponds to the definition of products contained in chapters 17 and 18 of the IBC Code. Products included in this list are either covered by a tripartite agreement, with an expiry date, i.e. have not yet been assessed nor had their carriage requirements confirmed, or have had changes made to their carriage requirements subsequent to the latest set of amendments to the IBC Code. Such

products will be duly incorporated into the IBC Code when next amended and consequently removed from List 1. The remaining product lists (annexes 2 to 5) do not correspond to lists contained within the IBC Code and entries contained in these lists will remain in the circular, subject to the provisions of paragraph 3.3 above.

3.8 Any footnotes to entries in List 1 (found in parentheses following the product entry) of this circular are defined at the end of chapter 17 of the IBC Code.

Country and territory Codes (annex 7)

3.9 The list of country and territory abbreviations is that used in the Global Integrated Shipping Information System (GISIS), the system used by the Organization as the repository for all product information received and decisions taken regarding the assignment of hazard profiles (by GESAMP/EHS) and carriage requirements (by the ESPH Working Group), for each product.

3.10 These codes are based on the standard UN/LOCODE system, a geographic code scheme developed and maintained by the United Nations Economic Commission for Europe (UNECE), a United Nations body. The codes are included in annex 7. Part 1 of annex 7 presents entries by code order, whilst part 2 gives a listing by country/territory order.

Cargo tank cleaning additives (annex 10)

3.11 MARPOL Annex II sets out limits for the discharge of Noxious Liquid Substances and includes restrictions on the types of cleaning additives that can be used in tank washing operations.

3.12 All cleaning additives set out in this circular (annex 10) have been evaluated by the ESPH Working Group, in accordance with the provisions set out in the *Revised tank cleaning additives guidance note* and reporting form (MEPC.1/Circ.590), and have been found to meet the requirements of regulation 13.5.2 of MARPOL Annex II.

3.13 Where products or their solutions appearing in chapter 17 or 18 of the IBC Code or in List 1 of this circular are used as washing media, their discharge shall be governed by regulation 13.5.1 of MARPOL Annex II. As such they are not required to be listed in annex 10 of this circular.

Biofuels used in biofuel/petroleum oil blends (annex 11)

3.14 Annex 11 sets out the list of approved biofuel/petroleum oil blends, as covered by the *2011 Guidelines for the carriage of blends of petroleum oil and biofuels* (MEPC.1/Circ.761/Rev.1).

4 Notification of new entries under tripartite agreements

4.1 The *Guidelines for the provisional assessment of liquids transported in bulk* are set out in MEPC.1/Circ.512. When notifying the Organization of any provisional assessment made under a tripartite agreement, Administrations are requested to:

- .1 specify the list in which the product entry should be entered; and
- .2 provide all relevant data to be included in the circular.

4.2 In addition, to further assist countries in determining the carriage requirements for products in bulk, a summary of "References to related Information and recommendations for ascertaining the carriage requirements for products shipped in bulk" has been published on the IMO website and can be accessed at:

<http://www.imo.org/OurWork/Environment/PollutionPrevention/ChemicalPollution/Pages/TripartiteAgreements.aspx>

by following the link under "Related documents" in the right hand column of the page.

4.3 As the majority of products communicated to the Organization are classified by the "calculation method" (see MEPC.1/Circ.512) and are candidates for inclusion in List 2, it is particularly important to provide the information to the Organization in a format that will facilitate efficient and accurate transfer to the database used to generate the various lists included in this circular.

4.4 For List 2 products, the preferred method is to send the information in the following format:

Reporting country:	
Manufacturer:	
Trade name:	
List number:	
Contains name:	
Pollution category (Cat):	
Ship type (ST):	
n.o.s. Number:	
Melting point (°C) (Mpt):	
Flash point (c.c., °C) (Fpt):	
Viscosity @ 20°C (mPa.s) (V ₂₀):	

4.5 For products to be included in Lists 1, 3 or 4, the format set out in appendix 3 of the annex to MEPC.1/Circ.512 is preferred.

4.6 The receipt of incomplete data for a product will result in the submission being delayed, while the application is returned to the originator for further review.

4.7 While stressing the importance of correct data being supplied to the Organization, it should be noted that, in particular, when proposing a product for Lists 2 or 4, the component with the greatest pollution potential should be specified following the word "Contains", in the Shipping Name. This is referred to as the "contains name". Such a component is that with the highest value obtained using the calculation method. In the event of there being more than one component with equivalent highest scores, discretion may be used in deciding whether one or both components should be identified in the "contains name". The name used for the component(s) should be that which appears in either chapters 17 or 18 of the IBC Code or in Lists 1 or 5 of this circular.

4.8 It should also be noted that any Noxious Liquid Substance offered for bulk shipment shall be indicated in the shipping document by the product name under which it is listed in chapter 17 or 18 of the IBC Code or the latest edition of this circular, or under which it has been provisionally assessed by tripartite agreement. In this respect, special attention should be given to BLG.1/Circ.17 regarding the use of the proper shipping name in offering bulk liquid cargoes for shipment and to BLG.1/Circ.25, which deals with the use of specific product names rather than generic entries, when both options are available to describe a bulk liquid cargo.

4.9 When shipping a pollution hazard only mixture (List 2 or List 4 substances), the appropriate n.o.s. entry in the IBC Code, together with the trade name and "product contains" information, would constitute the proper shipping name. For example, if the trade name is IMO 1234 and it contains "Calcium long-chain alkyl salicylate (C13+)" as the component with the greatest pollution potential, then the correct product name could be:

Noxious liquid, N.F., (5) n.o.s. (IMO 1234 contains Calcium long-chain alkyl salicylate (C13+)), ST 2, Cat Y

4.10 The Master of a type 2 ship certified to carry n.o.s. products would then know that he can accept the cargo without concern for 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.

4.11 When shipping (trade-named) mixtures, i.e. trade-named mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards (List 3 substances), the trade name and "product contains" information would form the proper shipping name. For example, if the trade name is XYZ 4567 and it contains "hydrochloric acid" as the component with the greatest pollution or safety potential, then the correct product name should be:

- XYZ 4567 (contains Hydrochloric acid); or
- XYZ 4567 contains Hydrochloric acid.

5 Tripartite contact addresses

5.1 In accordance with resolution MEPC.109(49) related to tripartite agreements, Administrations that have not informed the Organization of their latest contact details should be deemed to have accepted the tripartite agreements, whilst other contact points should still follow regulation 6.3 of MARPOL Annex II.

5.2 Administrations are therefore encouraged to verify their respective contact information, as included in annex 8 of this circular, and correct any errors or omissions.

5.3 In this respect, it should be noted that tripartite agreement contact points are available through the GISIS database (<https://gisis.imo.org>) and that any required amendments may be made directly in the database by the Administration concerned.

ANNEX 1

TRIPARTITE AGREEMENTS

List 1: Pure or technically pure products and mixtures assessed as a whole

MEPC.2/Circ.22

Annex 1

1 December 2016

Page 1 of 5

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Acrylic acid/ethenesulphonic acid copolymer with phosphonate groups, sodium salt solution		All countries		None	Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
Alcohol (C10-C18) poly (7) ethoxylate		All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Alkanes (C5-C7), linear and branched		All countries		None	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6
Alkanes (C10-C17), linear and branched		All countries		None	Y	S/P	2	2G	Cont	Inert	T3	IIB	No	R	F	ABC	No	15.19
Alkanes (C10-C26), linear and branched (flashpoint ≤60°C)		All countries		None	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
Alkanes (C4-C12) linear, branched and cyclic	FIN	ATG, AZE, BHS, BEL, BLZ, BRA, CAN, CYM, CHN, COK, HRV, CYP, DNK, DMA, ECU, EGY, EST, FRA, DEU, GRC, HKG, ISL, IND, IDN, ISR, ITA, JAM, JPN, KAZ, LVA, LBR, LTU, LUX, MYS, MLT, MHL, MNG, NLD, NOR, PAN, PHL, POL, PRT, KOR, MDA, ROU, RUS, VCT, SAU, SRB, SYC, SGP, ESP, SWE, CHE, THA, TGO, TUR, UKR, ARE, GBR, USA, URY, VEN, VNM	27/04/15	31/12/18	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6

See footnotes in chapter 17 of the IBC Code if applicable.

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products and mixtures assessed as a whole

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Alkanes (C9-C24) linear, branched and cyclic (flashpoint >60°C)	FIN	ATG, ARG, AZE, BHS, BEL, BLZ, BRA, CAN, CYM, CHN, COK, HRV, CYP, DNK, DMA, ECU, EGY, EST, FRA, DEU, GRC, HKG, ISL, IND, IDN, ISR, ITA, JAM, JPN, KAZ, LVA, LBR, LTU, LUX, MYS, MLT, MHL, MNG, NLD, NOR, PAN, PHL, POL, PRT, KOR, MDA, ROU, RUS, VCT, SAU, SRB, SYC, SGP, ESP, SWE, CHE, THA, TGO, TUR, UKR, ARE, GBR, USA, URY, VEN, VNM	27/04/15	31/12/18	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Alkanes (C9-C24) linear, branched and cyclic (flashpoint ≤ 60°C)	FIN	ATG, ARG, AZE, BHS, BEL, BLZ, BRA, CAN, CYM, CHN, COK, HRV, CYP, DNK, DMA, ECU, EGY, EST, FRA, DEU, GRC, HKG, ISL, IND, IDN, ISR, ITA, JAM, JPN, KAZ, LVA, LBR, LTU, LUX, MYS, MLT, MHL, MNG, NLD, NOR, PAN, PHL, POL, PRT, KOR, MDA, ROU, RUS, VCT, SAU, SRB, SYC, SGP, ESP, SWE, CHE, THA, TGO, TUR, UKR, ARE, GBR, USA, URY, VEN, VNM	27/04/15	31/12/18	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
n-Alkanes (C9-C11)		All countries		None	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12.3,15.12.4, 15.19.6
Alkyl/cyclo (C4-C5) alcohols		All countries		None	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Alkylbenzenes mixtures (containing naphthalene)		All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6
Alkylphenols (C10-C18, C12 rich)	USA		06/07/16	31/12/19	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products and mixtures assessed as a whole

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Alkyl (C10-C15, C12 rich) phenol poly (4-12) ethoxylate		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Aluminium hydroxide, sodium hydroxide, sodium carbonate solution (40% or less)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12, 15.17, 15.19
tert-Amyl ethyl ether		All countries		None	Z	P	3	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
Bio-fuel blends of Diesel/Gas oil and Alkanes (C9-C24) linear, branched and cyclic with a flashpoint >60°C (>25% but <99% by volume)	FIN	AUS, BEL, CAN, CHN, FIN, FRA, DEU, JPN, MYS, MHL, NLD, NOR, KOR, RUS, ZAF, ESP, SWE, GBR, USA	30/10/15	31/12/18	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6
Bio-fuel blends of Diesel/Gas oil and Alkanes (C9-C24) linear, branched and cyclic with a flashpoint ≤60°C (>25% but <99% by volume)	FIN	AUS, BEL, CAN, CHN, FIN, FRA, DEU, JPN, MYS, MHL, NLD, NOR, KOR, RUS, ZAF, ESP, SWE, GBR, USA	30/10/15	31/12/18	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6
Bio-fuel blends of Gasoline and Alkanes (C4-C12), linear, branched and cyclic (>25% but <99% by volume)	FIN	AUS, BEL, CAN, CHN, FIN, FRA, DEU, JPN, MYS, MHL, NLD, NOR, KOR, RUS, ZAF, ESP, SWE, GBR, USA	30/10/15	31/12/18	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6
Bio-fuel blends of jet fuels and alkanes (C10-C17), linear and branched (>25% but <99% by volume)	FIN	BHS, BEL, DNK, FRA, DEU, HKG, LBR, MLT, NLD, NOR, PAN, PRT, SGP, ESP, SWE, GBR, USA	08/12/14	31/12/17	X	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6
Bio-fuel blends of Naphtha and Alkanes (C4-C12) linear, branched and cyclic (>25% but <99% by volume)	FIN	AUS, BEL, CAN, CHN, FIN, FRA, DEU, JPN, MYS, MHL, NLD, NOR, KOR, RUS, ZAF, ESP, SWE, GBR, USA	30/10/15	31/12/18	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6
Bis(2-ethylhexyl) terephthalate		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
2-Butoxyethanol (58%)/Hyperbranched polyesteramide (42%) (mixture)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12.3, 15.12.4, 15.19
Camelina oil		All countries		None	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Cresol/Phenol/Xylenol mixture		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Cyclohexane-1,2-dicarboxylic acid, diisononyl ester		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products and mixtures assessed as a whole

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Cyclohexane oxidation products, sodium salts solution		All countries		None	Z	P	3	2G	Open	No	-	-	NF	O	No	No	No	
2,6-Diaminohexanoic acid phosphonate mixed salts solution		All countries		None	Z	S/P	3	2G	Cont	No	-	-	NF	R	No	No	No	15.11, 15.17, 15.19.6
tert-Dodecanethiol		All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
1-Dodecene		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
n-Dodecyl mercaptan		All countries		None	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Ethylene glycol (>75%)/sodium alkyl carboxylates/borax mixture		All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19.6
Ethylene glycol (>85%)/sodium alkyl carboxylates mixture		All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19.6
Fish silage protein concentrate (containing 4% or less formic acid)		All countries		None	Y	P	2	2G	Open	No	-	-	NF	O	No	No	No	15.19.6, 16.2.6
Fluorosilicic acid solution (20-30%)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	NF	C	T	No	Yes	15.11, 15.12, 15.17, 15.19
Glucitol/glycerol blend propoxylated (containing 10% or more amines)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Grape Seed Oil		All countries		None	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Long-chain alkylphenol (C14-C18)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Long-chain alkylphenol (C18-C30)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Maleic anhydride-sodium allylsulphonate copolymer solution		All countries		None	Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
Naphthalene crude (molten)		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9
n-Octyl mercaptan		All countries		None	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
[[[(phosphonomethyl)imino]bis[ethylenenitri]bis(methylene)]] tetrakisphosphonic acid, ammonium salt solution (34% or less)	USA	DNK, NOR	21/10/16	31/12/19	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.11, 15.19.6
Piperazine, 68% solution		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Polyethyleneimine solution (33% or less)	USA	MEX, VUT	13/10/16	31/12/19	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	A	Yes	15.12, 15.17, 15.19
(Polyisobutene) amino products in aliphatic hydrocarbons		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Poly(4+)isobutylene (MW>224)		All countries		None	X	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Polyisobutylene (MW≤224)		All countries		None	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
Soybean Oil Fatty Acid Methyl Ester		All countries		None	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.9
Tall oil soap, crude		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products and mixtures assessed as a whole

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
Urea/Ammonium nitrate solution		All countries		None	Y	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6
Used cooking oil (m)		All countries		None	X	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Used cooking oil (Triglycerides, C16-C18 and C18 unsaturated)* (m)		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Vegetable oil mixtures, containing less than 15% free fatty acid (m)		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9

ANNEX 2

MEPC.2/Circ.22

Annex 2

1 December 2016

Page 1 of 10

TRIPARTITE AGREEMENTS

List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
AC 8330	5	Mineral oil	USA	06/10/06	Y	2	High Viscosity	Chevron Oronite SA
Additive ED95 102	10	Methyl tert-butyl ether	SWE	02/03/09	Z	3		SEKAB BioFuels & Chemicals
ALFOL 610 ADE ALCOHOL	5	Decyl alcohol (all isomers)	USA	12/11/07	Y	2		Sasol
Anglamol 99	5	Oleylamine	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Articscreen bio	8	Ethyl alcohol	NLD	21/11/11	Y	3		Silcompa
ASH 1925	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
ASH 2636	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
ASH-H	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
ASH-M	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		Petro-SA
B121212	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
B131717	5	Zinc alkyl dithiophosphate (C3-C14)	USA	25/03/10	Y	2	High Viscosity	Lubrizol
BAR 490	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
BE 95 SE	6	Mineral oil	FIN	14/09/09	Y	2		Neste
BOC 6654	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Butoxypolyglycol Basic	5	Poly(2-8) Alkylene Glycol Monoalkyl (C1-C6) Ether Acetate)	USA	01/05/12	Y	2		Dow
C9/C10 AROMATICS	4	Trimethylbenzene (all isomers)	GBR	14/05/07	X	2		SABIC (UK)
CAN 17	9	Calcium nitrate, ammonium nitrate	NOR	18/04/07	Z	3		Yara International S. A.
CELANESE MAM BLEND	8	Dodecyl alcohol	USA	06/03/07	Y	3		Celanese
CF 2000	7	Iso- and cycloalkanes (C10-C11)	BEL	18/09/06	Y	3		ExxonMobil
CF 2100	7	Iso- and cycloalkanes (C12+)	BEL	18/09/06	Y	3		ExxonMobil
CFX 2000	7	Iso- and cycloalkanes (C12+)	BEL	18/09/06	Y	3		ExxonMobil
CFX 2100	7	Iso- and cycloalkanes (C10-C11)	BEL	18/09/06	Y	3		ExxonMobil
CN9	11	Less than 50% calcium nitrate, less than 10% ammonium nitrate	NOR	18/04/07	Z	NA		Yara International S. A.
DenatMix	10	Methyl tert-butyl ether	SWE	02/03/09	Z	3		SEKAB BioFuels & Chemicals
Dibasic esters	3	Dimethyl adipate	USA	19/01/07	X	2		Invista
DPAS 160, KEMGUARD 269	9	Maleic anhydride - sodium allylsulfonate copolymer	NOR	10/09/10	Z	3		Clariant Oil Services Scandinavia AS
EC6475A	7	Diethylenetriamine pentaacetic acid, pentapotassium salt (40% solution)	GBR	03/10/14	Y	3		Nalco Champion
EC6660A	7	Diethylenetriamine pentamethylene phosphonic acid, pentasodium salt solution	GBR	03/10/14	Y	3		Nalco Champion
ECOROL 24	5	Dodecyl alcohol	JPN	10/03/06	Y	2		Ecogreen
ED95 Base	11	Ethyl Alcohol	BRA	18/05/11	Z	NA		SEKAB BioFuels & Chemicals AB

TRIPARTITE AGREEMENTS
List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
EPF S20	8	Alkanes (C6-C9)	SGP	25/09/06	Y	3		ExxonMobil
Epikote TN 1001-X-75	4	Diphenol propane epichlorohydrin resins	NLD	02/03/06	X	2		Hexion Spec. Ch. BV
Escaid 100	3	Alkyl (C5-C8) benzenes	BEL	18/09/06	X	2		ExxonMobil
Escaid 110	7	Iso- and cycloalkanes (C12+)	BEL	18/09/06	Y	3		ExxonMobil
Escaid 110 Special Fluid	7	iso- & cycloalkanes (C12+)	SGP	25/04/11	Y	3		ExxonMobil
Escaid 120	7	Iso- & cyclo- Alkanes (C12+)	BEL	18/09/06	Y	3		ExxonMobil
Escaid 120ULA	7	Iso- & cyclo- Alkanes (C12+)	BEL	14/12/12	Y	3		ExxonMobil
Escaid 120ULA (H)	7	Iso- & cyclo-Alkanes (C12+)	BEL	06/05/13	Y	3		ExxonMobil
Etamax D	10	Methyl tert-butyl ether	SWE	25/11/08	Z	3		SEKAB BioFuels & Chemicals
Etamax UB	11	Ethyl alcohol	SWE	29/01/08	Z	NA		SEKAB BioFuels & Chemicals
ETHYLOL 78	11	Ethyl alcohol	ZAF	02/01/07	Z	NA		SASOL
ETHYLOL 95	11	Ethyl alcohol	ZAF	12/01/07	Z	NA		SASOL
ETHYLOL 99	11	Ethyl alcohol	ZAF	02/01/07	Z	NA		SASOL
Exxal 7 Alcohol	7	Heptanol (all isomers)	USA	24/11/06	Y	3		ExxonMobil
Exxal 8 Alcohol	5	Octanol (all isomers)	USA	16/10/06	Y	2		ExxonMobil
Exxal 9 Alcohol	5	Nonyl alcohol	NLD	19/10/06	Y	2		ExxonMobil
Exxal 10 Alcohol	5	Decyl Alcohol (all isomers)	USA	24/11/06	Y	2		ExxonMobil
Exxal 12 Alcohol	5	Undecyl alcohol	USA	10/11/11	Y	2		ExxonMobil
Exxal 13 Alcohol	5	Alcohols (C13+)	NLD	19/10/06	Y	2		ExxonMobil
Exxal L9 Alcohol	5	Nonyl alcohol (all isomers)	USA	16/03/07	Y	2		ExxonMobil
Exx-Print M 75 A	7	Iso- and cycloalkanes (C12+)	BEL	18/09/06	Y	3		ExxonMobil
EXX-Print M74 A-S	7	Iso- and cyclo-alkanes (C12+)	BEL	16/04/12	Y	3		ExxonMobil
Exx-Print M79D	7	Iso- and cyclo-alkanes (C12+)	BEL	03/03/16	Y	3		ExxonMobil
Exx-Print T 76 A	7	Iso- and cycloalkanes (C12+)	BEL	18/09/06	Y	3		ExxonMobil
Exx-Print T 82A	7	Iso- and cycloalkanes (C12+)	BEL	18/09/06	Y	3		ExxonMobil
Exxsol D 30	3	Alkanes (C6-C9)	BEL	18/09/06	X	2		ExxonMobil
Exxsol D 40	5	Alkanes (C6-C9)	BEL	18/09/06	Y	2		ExxonMobil
Exxsol D 60	7	Iso- and cycloalkanes (C10-C11)	BEL	18/09/06	Y	3		ExxonMobil
Exxsol D 80	7	Iso- and cycloalkanes (C12+)	BEL	18/09/06	Y	3		ExxonMobil
Exxsol D 120	9	Iso- and cycloalkanes (C12+)	BEL	01/09/06	Z	3		ExxonMobil
Exxsol D 130 Fluid	7	Iso- and cyclo-alkanes (C12+)	SGP	15/05/07	Y	3		ExxonMobil

TRIPARTITE AGREEMENTS
List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
Exxsol D 140	9	Iso- and cycloalkanes (C12+)	BEL	01/09/06	Z	3		ExxonMobil
Exxsol D 180/200 SP	7	Iso- and cycloalkanes (C10-C11)	BEL	18/09/06	Y	3		ExxonMobil
Exxsol D 220/230	9	Iso- and cycloalkanes (C12+)	BEL	01/09/06	Z	3		ExxonMobil
Exxsol D60(S)	9	Iso- and cycloalkanes (C12+)	SGP	25/09/06	Z	3		ExxonMobil
Exxsol D95	9	iso- & cycloalkanes (C12+)	SGP	25/01/11	Z	3		ExxonMobil Asia Pacific Pte Ltd
Exxsol D100	7	iso- and cyclo- alkanes (C12+)	BEL	01/09/06	Y	3		ExxonMobil
Exxsol D100 ULA (formerly Exxsol D100 S)	7	iso- and cyclo- alkanes (C12+)	BEL	01/09/06	Y	3		ExxonMobil
Exxsol D110	7	Alkyl (C5-C8) benzenes	SGP	25/09/06	Y	3		ExxonMobil
Exxsol DSP 60/95 S	4	Alkanes (C6-C9)	BEL	01/09/06	X	2		ExxonMobil
Exxsol DSP 60/95 SH	4	Alkanes (C6-C9)	BEL	01/09/06	X	2		ExxonMobil
Exxsol DSP 100/140	4	Alkanes (C6-C9)	BEL	01/09/06	X	2		ExxonMobil
Exxsol DSP 145/160	4	Alkanes (C6-C9)	BEL	01/09/06	X	2		ExxonMobil
Frostschutz	8	Ethylene glycol	NLD	01/05/07	Y	3		PROCAR B.V.
Gasadd	8	Methyl alcohol	USA	17/12/15	Y	3		Mitsui
Glissopal 1000	5	Mineral oil	USA	25/01/07	Y	2		Chevron
Glissopal 2300	5	Mineral oil	USA	25/01/07	Y	2		Chevron
GLYCOL ETHER HE	9	Poly (2-8) alkylene glycol monoalkyl (1-6) ether	USA	21/11/08	Z	3		Lyondell
GP-275	11	Methyl alcohol	NOR	02/03/15	Z	NA		Schlumberger WS
Gypton SA3360	7	2-Propene-1-aminium, N,N-dimethyl-N-2-propenyl, chloride homopolymer (solution)	NOR	22/10/13	Y	3		Nalco Champion
Gypton SD250	9	Potassium carbonate solution	NOR	12/11/12	Z	3		Nalco Champion
Gypton SD250 in KCl solution	9	Potassium carbonate solution	NOR	21/11/12	Z	3		Nalco Champion
H.B.R. (Volatile Oil)	6	Cyclopentane	JPN	07/12/06	Y	2		H.B.R.
HAN 8070	3	Alkyl (C5-C8) benzenes	BEL	01/09/06	X	2		ExxonMobil
HAN 8572	1	Poly(2+)cyclic aromatics	BEL	01/09/06	X	1		ExxonMobil
HDM 10 Base	7	Rapeseed oil	GBR	10/11/06	Y	3	High Viscosity	Alchemy Oilfield
Hexene Dimate	5	Nonene (all isomers)	USA	07/11/06	Y	2		ExxonMobil
HITEC 6561	5	Dodecene (all isomers)	USA	06/11/07	Y	2		Afton
HITEC 9300	5	Zinc alkyl dithiophosphate (C3-C14) and Mineral oil	USA	15/04/13	Y	2	High Viscosity	Afton Chemical Corporation
HITEC 9345	5	Mineral oil	USA	21/05/12	Y	2	High Viscosity	Afton Chemical Corporation
HITEC 9345G	5	Mineral oil	USA	21/05/12	Y	2	High Viscosity	Afton Chemical Corporation
HITEC 9345T	5	Mineral oil	USA	04/03/11	Y	2	High Viscosity	Afton Chemical Corporation

TRIPARTITE AGREEMENTS
List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
HYDROTREATED C5 (HTC5)	8	Pentane (all isomers)	GBR	14/05/07	Y	3		SABIC (UK)
Infineum D1688	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D3424	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D3434	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D1284	5	Zinc alkyl dithiophosphate (C3-C14)	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D1288	5	Zinc alkyl dithiophosphate (C3-C14)	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D1294	5	Mineral oil	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum D1640	5	Mineral oil	ITA	29/02/08	Y	2	High Viscosity	Infineum
Infineum D1642	5	Mineral oil	ITA	27/02/07	Y	2	High Viscosity	Infineum
Infineum D3348	5	Mineral oil	ITA	23/11/06	Y	2		Infineum
Infineum D3354	5	Mineral oil	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum D3356	5	Mineral oil	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum D3426	5	Mineral oil	ITA	26/10/07	Y	2	High Viscosity	Infineum
Infineum M7071	5	Mineral oil	SGP	26/09/06	Y	2		Infineum
Infineum M7081A	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum M7089	5	Mineral oil	SGP	26/09/06	Y	2		Infineum
Infineum M7090	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5066	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5151	5	Mineral oil	ITA	23/11/06	Y	2		Infineum
Infineum P5314	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5315	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5318	5	Mineral oil	ITA	29/02/08	Y	2	High Viscosity	Infineum
Infineum P5320	5	Mineral oil	ITA	27/02/07	Y	2	High Viscosity	Infineum
Infineum P5335	5	Mineral oil	SGP	05/12/07	Y	2	High Viscosity	Infineum
Infineum P5601	5	Mineral oil	ITA	20/09/10	Y	2	High Viscosity	Infineum
Infineum P6212	5	Zinc alkyl dithiophosphate (C3-C14)	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum P6213	5	Zinc alkyl dithiophosphate (C3-C14)	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum P6216	5	Zinc alkyl dithiophosphate (C3-C14)	ITA	23/11/06	Y	2	High Viscosity	Infineum
Isopar G	7	Iso- and cycloalkanes (C10-C11)	BEL	01/09/06	Y	3		ExxonMobil
Isopar H	7	Iso- and cycloalkanes (C10-C11)	BEL	01/09/06	Y	3		ExxonMobil
Isopar L	7	Iso- and cycloalkanes (C12+)	BEL	01/09/06	Y	3		ExxonMobil

TRIPARTITE AGREEMENTS

List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
Isopar L (E)	7	Iso- and cycloalkanes (C12+)	BEL	16/06/14	Y	3		ExxonMobil
ISOPAR L AP	7	Iso- and cycloalkanes (C12+)	SGP	20/04/15	Y	3		ExxonMobil Chemical
Isopar M	9	Iso- and cycloalkanes (C12+)	BEL	01/09/06	Z	3		ExxonMobil
Isopar N	7	Iso- and cyclo-alkanes (C12+)	GBR	28/10/14	Y	3		ExxonMobil
ISO-PROPYLLOL	11	Isopropyl alcohol	ZAF	12/01/07	Z	NA		SASOL
KALCOL 1260	5	Dodecyl alcohol	MYS	10/11/06	Y	2		Fatty Chemical (MYS)
KALCOL 2465	5	Dodecyl alcohol	USA	14/06/06	Y	2		Fatty Chemical (MYS)
KALCOL 2470	5	Dodecyl alcohol	USA	14/06/06	Y	2		Fatty Chemical (MYS)
KemSweep NLP 5000	7	Iso- and cyclo-alkanes (C12+)	GBR	07/01/16	Y	3		Kemira
LI 36	8	Pentane (all isomers)	FIN	08/05/08	Y	3		Neste
LI 200	6	White Spirit, low (15-20%) aromatic	FIN	08/05/08	Y	2		Neste
LI 220 HF	5	White Spirit, low (15-20%) aromatic	FIN	08/05/08	Y	2		Neste
LI AV 75	6	Hexane (all isomers)	FIN	08/05/08	Y	2		Neste
LI AV 110	4	Heptane (all isomers)	FIN	08/05/08	X	2		Neste
LI AV 200	8	Iso- and cyclo-alkanes (C10-C11)	FIN	08/05/08	Y	3		Neste
LI AV 230	7	Iso- and cyclo-alkanes (C10-C11)	FIN	08/05/08	Y	3		Neste
LI AV 250	7	Iso- and cyclo-alkanes (C10-C11)	FIN	08/05/08	Y	3		Neste
LI AV 270	7	Iso- and cyclo-alkanes (C12+)	FIN	08/05/08	Y	3		Neste
LI AV 300	7	Iso- and cyclo-alkanes (C12+)	FIN	08/05/08	Y	3		Neste
LINEVOL 79	5	Nonyl alcohol (all isomers)	USA	14/05/07	Y	2		Shell
LINEVOL 711	5	Undecyl alcohol	USA	14/05/07	Y	2		Shell
LINEVOL 911	3	Undecyl alcohol	USA	14/05/07	X	2		Shell
LUBAD 1078	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LUBAD 1397	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LUBAD 1427	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 3589A	5	Mineral oil	USA	15/05/09	Y	2	High Viscosity	Lubrizol
Lubrizol 3589C	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 3589D	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 3700D	5	Alkenyl (C11+) Amide	USA	28/09/09	Y	2	High Viscosity	Lubrizol
Lubrizol 4800R	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4952R	5	Zinc alkyl dithiophosphate (C3-C14)	USA	25/10/07	Y	2	High Viscosity	Lubrizol

TRIPARTITE AGREEMENTS
List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
Lubrizol 4981JD	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4981XA	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 6950J	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 8687	5	Mineral oil	USA	26/03/10	Y	2	High Viscosity	Lubrizol
Lubrizol 8687S	5	Mineral oil	USA	26/06/07	Y	2	High Viscosity	Lubrizol
Lubrizol 9220	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9222K	5	Calcium long chain alkyl phenate sulphide (C8-C40)	USA	14/08/09	Y	2	High Viscosity	Lubrizol
Lubrizol 9297	5	Calcium longchain alkyl phenate sulphide (C8-C40)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9297J	5	Calcium long chain alkyl phenate sulphide (C8-C40)	USA	31/12/08	Y	2	High Viscosity	Lubrizol
Lubrizol 9692A	5	Zinc alkaryl dithiophosphate (C7-C16)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9827R	5	Alkenyl (C11+) amide	USA	18/04/08	Y	2	High Viscosity	Lubrizol
Lubrizol 9915A	5	Zinc alkaryl dithiophosphate (C7-C16)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9990A	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 16008	5	Mineral oil	USA	03/03/08	Y	2	High Viscosity	Lubrizol
Lubrizol 16010	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 16010J	5	Mineral oil	USA	26/06/07	Y	2	High Viscosity	Lubrizol
Lubrizol 16011L	5	Mineral oil	USA	06/06/08	Y	2	High Viscosity	Lubrizol
Lubrizol 16012	5	Alkenyl(C11+)amide	USA	26/03/10	Y	2	High Viscosity	Lubrizol
Lubrizol 17001	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 19010	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 20003K	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 20015	5	Alkenyl (C11+) amide	USA	21/09/07	Y	2	High Viscosity	Lubrizol
Lubrizol 21021	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 48007	5	Mineral oil	USA	11/02/10	Y	2	High Viscosity	Lubrizol
Lubrizol 70103	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 70106	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 70128	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 70135	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 70140	5	Zinc alkyl dithiophosphate (C3-C14)	USA	14/05/07	Y	2	High Viscosity	Lubrizol
Lubrizol 70142	5	Mineral oil	USA	28/09/09	Y	2	High Viscosity	Lubrizol
Lubrizol 70175	5	Mineral oil	USA	14/08/09	Y	2	High Viscosity	Lubrizol

TRIPARTITE AGREEMENTS
List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
Lubrizol 71024	5	Mineral oil	USA	15/05/09	Y	2	High Viscosity	Lubrizol
Lubrizol 74090	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 74191	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 74262	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 74900	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 76103	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 76460	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 76892	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 78015	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 78040	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 79023	5	Calcium longchain alkyl phenate sulphide (C8-C40)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 79522	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol A99	5	Oleylamine	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol PV1127	5	Alkenyl (C11+) amide	USA	21/07/10	Y	2	High Viscosity	Lubrizol
MIX 30	12	Vegetable protein solution (hydrolysed)	USA	02/03/12	OS		High Viscosity	Agridyne LLC
MOSSPAR 1925	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
MOSSPAR 2636	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
MOSSPAR H	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
MOSSPAR M	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
MOSSPEN 10	8	Pentane (all isomers)	ZAF	27/12/06	Y	3		PetroSA
MOSSTANOL 120	8	n-Propyl alcohol	ZAF	27/12/06	Y	3		PetroSA
MOSSTANOL L	11	Ethyl alcohol	ZAF	27/12/06	Z	NA		PetroSA
MOSSTANOL P	6	Cyclopentanol	ZAF	28/01/07	Y	2		PetroSA
MTBE/ETBE Blend	10	Methyl tert-butyl ether	USA	06/11/12	Z	3		Lyondellbasell
Nappar 10	7	Alkanes (C6-C9)	BEL	10/03/10	Y	3		ExxonMobil
Neodol 23	5	Alcohols (C13+)	USA	15/01/07	Y	2		Shell
Neodol 24	5	Dodecyl alcohol	USA	21/11/08	Y	2		Shell
Neodol 25	5	Dodecyl alcohol	USA	01/03/07	Y	2		Shell
Neodol 79	5	Nonyl alcohol (all isomers)	USA	20/07/07	Y	2		Shell
Neodol 91	3	Undecyl alcohol	USA	16/03/07	X	2		Shell
Neodol 135	3	Undecyl alcohol	USA	25/01/07	X	2	High Viscosity	Shell

TRIPARTITE AGREEMENTS
List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
Neodol 145	3	Undecyl alcohol	USA	06/03/07	X	2		Shell
Neodol 245	5	Alcohols (C13+)	USA	04/12/07	Y	2	High Viscosity	Shell
NEXBASE@2002	5	Polyolefin (mw +300)	BEL	29/09/06	Y	2		Neste
NEXBASE@2004	5	Polyolefin (mw +300)	BEL	29/09/06	Y	2		Neste
NEXBASE@2006	5	Polyolefin (mw +300)	BEL	29/09/06	Y	2	High Viscosity	Neste
NEXBASE@2008	5	Polyolefin (mw +300)	BEL	29/09/06	Y	2		Neste
NEXBASE@3020	5	Iso- and cyclo-alkanes (C12+)	FIN	08/05/08	Y	2		Neste
NEXBASE@3030	5	Iso- and cyclo-alkanes (C12+)	FIN	08/05/08	Y	2		Neste
NEXBASE@3043	5	Iso- and cyclo-alkanes (C12+)	FIN	08/05/08	Y	2		Neste
NEXBASE@3050	5	Iso- and cyclo-alkanes (C12+)	FIN	08/05/08	Y	2	High Viscosity	Neste
NEXBASE@3060	5	Iso- and cyclo-alkanes (C12+)	FIN	08/05/08	Y	2	High Viscosity	Neste
NEXBASE@3080	5	Iso- and cyclo-alkanes (C12+)	FIN	08/05/08	Y	2	High Viscosity	Neste
Octimise G2003	5	Solvent naphta	BEL	27/02/07	Y	2		Innospec
Octimise G2048	5	Alkyl (C3-C4) benzenes	BEL	23/02/10	Y	2		Innospec
OLOA 219M	5	Calcium long chain alkyl phenate sulfide (C8-C40)	USA	02/03/07	Y	2	High Viscosity	Chevron
OLOA 219U	5	Calcium long chain alkyl phenate sulfide (C8-C40)	USA	02/03/07	Y	2	High Viscosity	Chevron
OLOA 275JD	5	Mineral oil	USA	06/06/08	Y	2		Chevron
OLOA 760AJ	5	Mineral oil	SGP	30/01/07	Y	2	High Viscosity	Chevron
OLOA 1571	5	Mineral oil	USA	25/01/07	Y	2		Chevron
OLOA 6814	5	Calcium long chain alkyl phenate sulfide (C8-C40)	USA	06/11/08	Y	2	High Viscosity	Chevron
OLOA 8827	5	Mineral Oil	USA	06/10/06	Y	2	High Viscosity	Chevron
OLOA 8827K	5	Mineral oil	USA	03/11/08	Y	2	High Viscosity	Chevron
OLOA 9842	5	Mineral oil	USA	21/02/07	Y	2	High Viscosity	Chevron
OLOA 15500	5	Mineral oil	USA	25/01/07	Y	2		Chevron
OLOA 48019	5	Zinc alkyl dithiophosphate (C3-C14) in mineral oil	FRA	01/02/11	Y	2	High Viscosity	Chevron Oronite
OLOA 49812	5	Mineral oil	USA	24/10/07	Y	2	High Viscosity	Chevron
OLOA 49814	5	Mineral oil	USA	24/10/07	Y	2	High Viscosity	Chevron
OLOA 49816	5	Mineral oil	FRA	19/08/08	Y	2	High Viscosity	Chevron Oronite
OLOA 50904	5	Mineral oil	USA	05/05/06	Y	2		Chevron
OLOA 59015	5	Mineral oil	USA	28/05/08	Y	2		Chevron
OLOA 59023A	5	Mineral oil	USA	02/12/08	Y	2	High Viscosity	Chevron

TRIPARTITE AGREEMENTS

List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
OLOA 59707	5	Mineral oil	USA	06/03/07	Y	2	High Viscosity	Chevron
OLOA 99470	5	Mineral oil	USA	21/02/07	Y	2	High Viscosity	Chevron
OrePrep F-597 Frother	7	1,6-Hexanediol distillation	USA	06/03/07	Y	3		CYTEC
Petrinex T9	3	Naphthalene	GBR	14/05/07	X	2		SABIC (UK)
Product 70230	5	Zinc alkyl dithiophosphate (C3-C14)	USA	25/03/10	Y	2	High Viscosity	Lubrizol
PROP BH	8	n-Propyl alcohol	ZAF	12/01/07	Y	3		SASOL
R097671A	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
R-50428	7	Ethylene glycol	USA	15/05/07	Y	3		North American Shipbuilding
RM 50141	4	Propylene tetramer	USA	15/01/07	X	2		Chevron
RM 100D	5	Polyolefin amide alkeneamine (C17+)	USA	26/06/07	Y	2	High Viscosity	Lubrizol
RM 163D	5	Zinc alkyl dithiophosphate (C3-C14)	USA	12/05/10	Y	2	High Viscosity	Lubrizol
RM 50132	4	Propylene tetramer	USA	05/11/08	X	2		Chevron
RM 50142	4	Propylene tetramer	USA	03/07/06	X	2		Chevron
RM 50440	4	Propylene tetramer	USA	03/11/08	X	2		Chevron
SA 266	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
SA 453	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
SA 464	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
SABUTOL	8	n-Propyl alcohol	ZAF	15/01/07	Y	3		SASOL
SBP 60-95	4	Hexane (all isomers)	ISR	30/09/06	X	2		Gadiv
SCALETREAT 8031D	11	L-Aspartic acid, homopolymer, sodium salt (aqueous solution)	NOR	04/08/14	Z	NA		Clariant Oil Services Scandinavia AS
SCALETREAT 8241	9	Maleic anhydride - sodium allylsulfonate copolymer (aqueous solution)	NOR	06/10/10	Z	3		Clariant Oil Services Scandinavia AS
SCALETREAT 13850	9	Ethylene glycol	NOR	04/01/16	Z	3		Clariant Oil Services Scandinavia AS
SCALETREAT ST12595	11	Maleic acid/allyl sulphonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution)	NOR	04/08/14	Z	NA		Clariant Oil Services Scandinavia AS
SCALETREAT TP 8106	9	Maleic acid/allyl sulfonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution)	NOR	10/09/10	Z	3	High Viscosity	Clariant Oil Services Scandinavia AS
SCALETREAT TP 8106A	9	Maleic acid/allyl sulfonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution)	GBR	01/10/13	Z	3		Clariant Oil Services UK Ltd
SELEXOL SOLVENT	7	Polyethylene glycol dimethyl ether	USA	21/11/08	Y	3		Dow
SOLGAD 100	6	Alkyl (C3-C4) benzenes	ISR	01/04/10	Y	2		Gadiv
SOLGAD 150	3	Alkyl (C5-C8) benzenes	ISR	30/09/06	X	2		Gadiv

TRIPARTITE AGREEMENTS

List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO

Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
SOLGAD 150ULN	3	Alkyl (C3-C4) benzenes	ISR	30/09/06	X	2		Gadiv
SOLGAD 200	3	Methyl naphtalene (molten)	ISR	30/09/06	X	2		Gadiv
SOLGAD 200ULN	3	Methyl naphtalene (molten)	ISR	30/10/06	X	2		Gadiv
SOLTROL 130	7	Iso- and cyclo-alkanes (C10-C11)	USA	02/05/08	Y	3		Chevron Phillips
Solvesso 100	5	Alkyl (C3-C4) benzenes	BEL	01/09/06	Y	2		ExxonMobil
Somentor 32	7	Iso- & cyclo- Alkanes (C12+)	BEL	29/03/12	Y	3		ExxonMobil
Somentor 32 S	9	iso- & cycloalkanes (C12+)	SGP	25/01/11	Z	3		ExxonMobil Asia Pacific Pte Ltd
Somentor 34	7	iso and cyclo-Alkanes (C12+)	NLD	30/10/13	Y	3		ExxonMobil
STOCK 22012	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Varsol 30	3	Alkanes (C6-C9)	BEL	18/09/06	X	2		ExxonMobil
Varsol 40	5	Alkyl (C3-C4) benzenes	BEL	18/09/06	Y	2		ExxonMobil
Varsol 60	3	Alkyl (C5-C8) benzenes	BEL	18/09/06	X	2		ExxonMobil
Varsol 80	3	Alkyl (C5-C8) benzenes	BEL	18/09/06	X	2		ExxonMobil
Varsol 120	7	Alkyl (C5-C8) benzenes	BEL	01/09/06	Y	3		ExxonMobil
Varsol 140	7	Alkyl (C9+) benzenes	BEL	01/09/06	Y	3		ExxonMobil
WAXTREAT 3553	5	Alkyl (C3-C4) benzenes	NOR	14/08/08	Y	2		Clariant Oil Services Scandinavia AS
Xylenes Concentrates	6	Ethylbenzene	GBR	30/09/06	Y	2		ExxonMobil
YA 266	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
YA 453	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
YA 464	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol

ANNEX 3

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

MEPC.2/Circ.22
Annex 3
1 December 2016
Page 1 of 28

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
10% SCALETREAT 8199C in 6% NaCl	Phosphoric acid and Ethanolamine	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	R	No	AC	No		Clariant Oil Services Scandinavia AS
30-50% SCALETREAT SD 12154 in 3% KCl	Potassium hydroxide solution	NOR	All countries		None	Z	S/P	3	2G	Cont	No	-	-	Yes	O	No	AC	No	16.2.9	Clariant Oil Services Scandinavia AS
Alcoa CARP	Sodium hydroxide	USA	AUS, BHS, BRA, CAN, LBR, MLT, MHL, PAN, SAU, SGP, SUR	13/06/16	31/12/19	Z	S/P	3	2G	Cont	No	-	-	NF	C	T	A	Yes	15.12.3, 15.12.4, 15.17, 15.19	Alcoa Corporate Center
Amine DCT	Triethylenetetramine/2-piperazine-1-yethylamine mixtures	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	Dow Chemical
AP 1356	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	CYM, CYP, HKG, IDN, LBR, MLT, MHL, NOR, PAN, SGP, GBR	25/08/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
AP 13168	Calcium long chain alkaryl sulphonate (C11-C50) / Zinc alkyl dithiophosphate (C3-C14) and Mineral oil	USA	CYM, CYP, HKG, IDN, LBR, MLT, MHL, NOR, PAN, SGP, GBR	25/08/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
AP 13246	Calcium long chain alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

MEPC.2/Circ.22
Annex 3
1 December 2016
Page 2 of 28

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
AP13275	Calcium alkaryl sulphonate (C11-C50) and Mineral Oil	USA	ARG, AUS, BHS, BEL, BRA, CAN, CYM, CHL, CHN, COL, CYP, DNK, ECU, EGY, EST, FIN, FRA, DEU, GRC, HKG, ISL, IND, IDN, IRL, ITA, JPN, LBR, MYS, MLT, MHL, MEX, NLD, NZL, NOR, PAN, PER, PHL, POL, PRT, QAT, KOR, VCT, SGP, ZAF, ESP, SWE, CHE, TUN, TUR, ARE, GBR, TZA, URY, VUT	12/02/14	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
AP13325	Calcium alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	ARG, AUS, BRA, CAN, CYM, CHL, CHN, COL, CYP, PRK, DNK, ECU, EGY, EST, DEU, GRC, HKG, ISL, IND, IDN, IRL, ITA, LBR, MDG, MYS, MLT, MHL, MEX, NLD, NZL, NGA, NOR, PAN, PER, PHL, POL, PRT, KOR, LCA, VCT, SLE, SGP, ZAF, ESP, CHE, TUN, TUR, ARE, GBR, TZA, URY, VUT	15/04/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Assure® HI-90	Ethylene glycol monoalkyl ethers	GBR	NLD, NOR	14/04/16	31/12/19	Z	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No		Nalco Champion
Assure® HI-95	Ethylene glycol monoalkyl ethers	GBR	NLD, NOR	15/09/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.19.6	Nalco Champion
BK Gasoline	Benzene and 1,3-Cyclopentadiene dimer (molten)	ITA	All countries		None	Y	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19	Versalis SpA
BK Reformed/Platformed Gasoline	1,3-Cyclopentadiene dimer (molten) and styrene	ITA	All countries		None	Y	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Versalis SpA
CA 354	Alkyl (C18-C28) toluene sulphonic acid, calcium salts, high overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite Company
Carbonate Scale LC Acid	Acetic acid	NOR	GBR	30/06/14	31/12/17	Y	S/P	3	2G	Cont	No	-	-	Yes	C	No	AC	Yes	15.19, 16.2.6, 16.2.9	Halliburton Scandinavia
Caromax 20	Alkyl (C3-C4) benzenes and Naphthalene	GBR	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 4 of 28**

Trade Name	Contains	Rep Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Caromax 20/45	Alkyl (C3-C4) benzenes and Naphthalene	GBR All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
Caromax 26	Methylnaphthalene and Poly (2+)cyclic aromatics	GBR All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
Caromax 28	Methylnaphthalene and Poly (2+)cyclic aromatics	GBR All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
CAS 29/75	Methylnaphthalene and Poly (2+)cyclic aromatics	GBR All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
CGW80742P	Methyl alcohol and Heterocyclic quaternary ammonium salt	GBR QAT, VCT	30/05/14	31/12/17	X	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC	Yes	15.12, 15.17, 15.19	Baker Hughes
CL-31	Potassium metaborate and Boric acid	NOR NLD, GBR	16/12/14	31/12/17	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.19, 16.2.9	Halliburton Scandinavia
Clairsol 350MHF	n-Alkanes (C10+)	GBR All countries		None	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	Petrochem Carless
Clairsol CT-NA	n-Alkanes (C10+)	GBR All countries		None	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	Petrochem Carless
Clairsol NS	n-Alkanes (C10+)	GBR All countries		None	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	Petrochem Carless
Corrosion Inhibited Water	Formic acid	NOR GBR	28/07/14	31/12/17	X	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6, 16.2.6, 16.2.9	Halliburton Scandinavia
CORRTREAT 12896	Ethylene glycol monoalkyl ethers	NOR NLD, GBR	10/02/16	31/12/19	X	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6	Clariant Oil Services Scandinavia
Cortron CK929-G	Coco alkyl amine / quaternary ammonium reaction mixture in 2-butoxyethanol	GBR NLD, NOR	17/05/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12.4, 15.19.6	Nalco Champion
Crosslinker TB-41	Boric acid	NOR All countries		None	Y	S/P	3	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12, 15.17, 15.19, 16.2.6	Halliburton Scandinavia
CRW85826D	Ethylene glycol; 2-Mercaptoethanol	GBR NLD, NOR	20/01/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19	Baker Hughes
CS 1500E	Polyalkene sulphonic acid (C20-C28), sodium salt	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12.3, 15.12.4, 15.19, 16.2.6, 16.2.9	Chevron Oronite
CTC Crude Type A	Carbon Tetrachloride	GBR All countries		None	Y	S/P	2	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12, 15.17, 15.19	Ineos ChlorVinyls Ltd
DCA-25014	Sodium hydroxide solution	NOR DNK, NLD, GBR	18/05/15	31/12/18	X	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6, 16.2.6	Halliburton Scandinavia
D-Crude CTC	Carbon Tetrachloride	USA All countries		None	Y	S/P	2	2G	Cont	No	-	-	NF	C	T	No	No	15.12, 15.17, 15.19	Dow Chemical

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 5 of 28**

Trade Name	Contains	Rep Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
DFS-CNF	Formic acid	NOR All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	R	No (g)	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19.6, 16.2.9	Halliburton AS
DFS-CNH	Hydrochloric acid	NOR All countries		None	Y	S/P	3	2G	Cont	No	-	-	NF	C	T	No	Yes	15.11, 15.12, 15.17,15.19	Halliburton AS
DM Preflush	2-Butoxyethanol	NOR GBR	28/07/14	31/12/17	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.6, 16.2.9	Halliburton Scandinavia
DMO86906	Alkyl (C3-C11) benzene	GBR BHS, NLD, NOR	06/06/16	31/12/19	X	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Baker Hughes
Eastman VersaMax	Bis(2-ethylhexyl) terephthalate	USA BRA, CYM, CHL, HKG, MHL, NLD, NOR, PAN, PHL, SGP, GBR	14/10/14	31/12/17	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6,16.2.6,16.2 .9	Eastman Chemical Company
EB-8228	Poly(iminoethylene)-graft-N-poly(ethyleneoxy) solution (90%or less)	NOR All countries		None	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	MI-SWACO
EC1017B	Carbohydrazide	GBR NOR	13/02/14	31/12/17	Y	S/P	3	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12, 15.17, 15.19	Nalco Champion
EC1645A	Naphthalene and Alkyl (C5-C8) benzenes	GBR NOR	17/06/14	31/12/17	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC	No	15.19.6	Nalco Champion
EC6004A	Naphthalene (molten)	GBR NLD, NOR, USA	26/02/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Nalco Champion
EC6671A	Methyl alcohol; Poly N-alkylmethacrylamide ammonium acrylate copolymer (20% solution in DEGME)	GBR All countries		None	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Nalco Champion
EEHC1	Triethylene glycol	GBR All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	Nalco Champion
Emulsotron X-8636	Octanol	NOR NLD, GBR	27/03/14	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4	Nalco Champion

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 6 of 28**

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Enordet 0332	Sodium alkyl (C14-C17) sulphonates (60-65% solution);	USA	ARG, BEL, BRA, CAN, CYM, CHN, COL, ECU, FRA, HKG, IND, IDN, ITA, KWT, LBR, MYS, MLT, MHL, MEX, NLD, NOR, OMN, PAN, PHL, RUS, SAU, SGP, THA, GBR	09/07/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6	Shell Chemicals LP
EPT-2492	Acetic acid	NOR	All countries		None	Z	S/P	3	2G	Cont	No	-	-	Yes	C	No	ABC	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19	MI-SWACO
Ethylol 75	Ethyl Alcohol and Isopropyl ether	ZAF	All countries		None	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F	AC	No	15.19.6	Sasol
Ethylol 78 eM	Ethyl alcohol	ZAF	BEL, NOR, SGP	23/04/15	31/12/18	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F	AC	No	15.19.6	Sasol
Fraction C6	Benzene	ITA	All countries		None	Y	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Versalis SpA
Fraction C7	Toluene	ITA	All countries		None	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Versalis SpA
Fraction TX	Toluene	ITA	All countries		None	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Versalis SpA

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Fuerza Combustible	Octane	USA	ARG, AUS, BEL, BRA, CAN, CHL, CHN, COL, CYP, DNK, ECU, EGY, EST, FIN, DEU, GRC, HKG, ISL, IND, IDN, IRL, ITA, JPN, LBR, MYS, MLT, MHL, MEX, NLD, NZL, NOR, PAN, PER, PHL, POL, KOR, SGP, ZAF, ESP, LKA, CHE, TUR, ARE, GBR, TZA, URY, VUT	05/06/14	31/12/17	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19	Fuerza LLC
FX2886	Naphthalene (molten); Alkyl (C5-C8) benzenes;	GBR	NOR	29/05/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Nalco Champion
Gypton SA1360	Hydrochloric acid	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No		Nalco Champion
Gypton SA1650	Ethylene glycol	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Nalco Champion
Gypton SA1660	Ethylene glycol	NOR	All countries		None	Z	S/P	3	2G	Open	No			Yes	O	No	AC	No		Nalco Champion
Gypton SA2010	Ethylene glycol monoalkyl ethers	NOR	GBR	09/10/14	31/12/17	Y	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6	Nalco Champion
Gypton SA3050	Ethylene glycol	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Nalco Champion
Gypton SA3070	Ethylene glycol	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	--	Nalco Champion
Gypton SA3110	Ethylene glycol monoalkyl ethers	NOR	GBR	09/10/14	31/12/17	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	none	Nalco Champion
Gypton SA3120	Ethylene glycol and 2-Propene-1-aminium,N,N-dimethyl-N-2-propenyl-,chloride, homopolymer	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9	Nalco Champion

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 8 of 28**

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Gyptron SA3130	Ethylene glycol and 2-Propene-1-aminium,N,N-dimethyl-N-2-propenyl-,chloride, homopolymer	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Nalco Champion
Gyptron SA3190	Ethylene glycol monoalkyl ethers	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Nalco Champion
Gyptron SA4074	Ethanolamine	NOR	NLD, GBR	03/01/14	31/12/17	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No		Nalco Champion
Gyptron SA4139	Ethylene glycol monoalkyl ethers	NOR	NLD, GBR	13/11/14	31/12/17	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12.3, 15.12.4, 15.19	Nalco Champion
H.B.M. (Volatile oil)	1,3-Pentadiene	JPN	All countries		None	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.13, 15.19.6, 16.6.1, 16.6.2, 16.6.3	Nihon Zeon Co. Ltd
Halliburton AS-9	Alkyl (C11-C17) benzene sulphonic acid;	USA	MEX, VUT	02/11/16	31/12/19	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	AC	No	15.12.3, 15.12.4, 15.19, 16.2.6	DNV GL
Halliburton A-SPERSE	Ethoxylated long chain (C16+) alkyloxyalkylamine;	USA	MEX, VUT	03/11/16	31/12/19	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	AC	No	15.12.3, 15.12.4, 15.19, 16.2.6	DNV GL
Halliburton HAI-82	Tall oil fatty acid (resin acids less than 20%); Alcohol (C12-C16) poly(7-19)ethoxylates	USA	MEX, VUT	28/11/16	31/12/19	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19	DNV GL
Halliburton MUSOL A	Ethoxylated hexanol	USA	MEX, VUT	08/11/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12.3, 15.12.4, 15.19	DNV GL
HiTEC 9300G	Zinc alkyl dithiophosphate (C3-C14)	USA	EST, FRA, JPN, PAN, SGP	11/03/14	31/12/17	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	Afton Chemical Corporation
HITEC 9345P	polyolefin (MW300+), Zinc Alkyl Dithiophosphate (C3-C14) and mineral oil	BEL		10/08/16	31/12/19	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AB	No	15.19.6, 16.2.6	Afton Chemical
HiTEC 9345S	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	Afton Chemical Corporation
HR-2510	1,3,5-Hexahydrotriethanol-1,3,5-triazine	NOR	NLD, GBR	07/06/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19	Schlumberger Production Technologies
HR-2709	1,3,5-Hexahydrotriethanol-1,3,5-triazine;	NOR	NLD, GBR	16/02/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19	MI-SWACO
HR-2737	Hexahydro-1,3,5-trimethyl-1,3,5-triazine	NOR	NLD, GBR	16/02/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19	MI-SWACO
HSW85972	Ethylene glycol monoalkyl ethers; Glyoxal solution (40% or less);	GBR	NLD, NOR	18/12/15	31/12/18	Y	S	2	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.19.6, 16.2.9	Baker Hughes

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 9 of 28**

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
IP CLEAN LX	Dodecane (all isomers)	JPN	All countries		None	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6	Idemitsu Kosan
IP Extraction Feed	1,3-Cyclopentadiene, dimer and Isoprene	NLD	All countries		None	Y	S/P	2	2G	Cont	Inert	T3	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.14, 15.17, 15.19, 16.6.1, 16.6.2 and 16.6.3	Shell
IP SOLVENT 1620	Dodecane (all isomers)	JPN	All countries		None	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6	Idemitsu Kosan
KCl/NaBr	Sodium Bromide	NOR	DNK, GBR	27/06/14	31/12/17	Y	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6, 16.2.6, 16.2.9	Halliburton Scandinavia
Kogasol 56	Hexane (all isomers) and Heptane (all isomers)	ZAF	All countries		None	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19	SASOL
LGC-IM	Sodium Hydroxide	NOR	NLD, GBR	24/04/14	31/12/17	Y	S/P	3	2G	Cont	No	-	-	Yes	C	No	AC	Yes	15.17, 15.19, 16.2.6	Halliburton Scandinavia
Linealene 124	Dodecene (all isomers)	JPN	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6	IDEMITSU KOSAN CO. LTD
LUBAD 1179	Calcium long-chain alkyl phenate sulphide (C8-C40), Alkyl (C18-C28) toluene sulphonic acid, calcium salts, low overbase and mineral oil	FRA	DZA, AUS, BHS, BEL, CYM, CHN, EGY, DEU, GRC, HKG, IND, IDN, ITA, JPN, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, SGP, ZAF, TUR, ARE, GBR, USA	13/10/14	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
LUBAD 1197	Calcium long-chain alkyl phenate sulphide (C8-C40), Alkyl (C18-C28) toluene sulphonic acid, calcium salts, low overbase and mineral oil	FRA	DZA, AUS, BHS, BEL, CYM, CHN, EGY, DEU, GRC, HKG, IND, IDN, ITA, JPN, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, SGP, ZAF, TUR, ARE, GBR, USA	13/10/14	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
LUBAD 1761	Alkyl (C18-C28) toluene sulfonic acid, calcium salts, low overbase, Calcium long chain alkyl phenate sulphide (C8-C40) and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
LUBAD 1798	Alkyl (C18-C28) toluene sulfonic acid, calcium salts, high overbase; Polyolefin amide alkeneamine polyol and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
LUBAD 1807	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite
LUBAD 1829	Alkyl(C18-C28)toluenesulfonic acid, calcium salts, low overbase, Oleylamine, and mineral oil	FRA	BHS, CYM, HKG, JPN, LBR, NLD, NOR, PAN, PHL, SGP, TUR, GBR, USA	23/04/14	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
LUBAD 1887	Calcium long chain alkyl phenate sulphide; Alkyl (C18-C28) toluene sulphonic acid, calcium salts, high overbase and mineral oil	SGP	DZA, AUS, BHS, BEL, CYM, CHN, EGY, DEU, GRC, HKG, IND, IDN, ITA, JPN, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, ZAF, TUR, ARE, USA	13/04/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
Lubrizol 4980A	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and Mineral oil	USA	AUS, CYM, CYP, SLV, HKG, IDN, LBR, MLT, MHL, NOR, PAN, KOR, SAU, SGP, ZAF, TUR, ARE, GBR	25/08/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Lubrizol 4991JM	Calcium alkaryl sulphonate (C11-C50) and Mineral Oil	USA	ARG, AUT, BEL, BRA, CAN, CYM, CHN, CYP, DNK, ECU, EGY, EST, FIN, DEU, GRC, HKG, IND, IRL, ITA, LBR, MYS, MLT, MHL, MEX, NLD, NOR, PAN, PER, PHL, POL, KOR, SGP, ZAF, ESP, CHE, TUR, ARE, GBR, TZA, URY, VUT	19/05/14	31/12/17	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol 9245	Calcium long chain alkaryl sulphonate (C11-C50); Calcium long chain alkyl phenate sulphide (C8-C40)	USA	CYM, CHN, CYP, HKG, LBR, MLT, MHL, NOR, PAN, SGP, GBR	03/09/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol 16005	Calcium long chain alkaryl sulphonate (C11-C50) / Zinc alkyl dithiophosphate (C3-C14) and mineral oil;	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol 20017	Polyolefin amide alkeneamine (C17+); Alkenyl (C11+) amide and mineral oil	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol B146363	Calcium alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and Mineral oil	USA	CYM, FRA, HKG, LBR, MHL, NGA, NOR, PAN, SGP, ZAF, ARE, GBR	21/04/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol CV2301	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Lubrizol CV2307	Calcium alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and Mineral Oil	USA	CYM, EGY, HKG, LBR, MLT, NOR, PAN, SGP, GBR	15/04/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol CV6503	Polyolefin amide alkeneamine (C17+); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
LUBRIZOL CV6530	Polyolefin amide alkeneamine (C17+), Zinc alkyl dithiophosphate (C3-C14), and Mineral oil	USA	AUS, CYM, CHN, CYP, HKG, IDN, LBR, MLT, MHL, NOR, PAN, KOR, SGP, GBR	06/04/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol CV7050	Calcium long chain alkaryl sulphonate (C11-C50) / Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol CV7052	Alkenyl (C11+) amide, Calcium alkaryl sulphonate (C11-C50) and Mineral Oil	USA	ARE, ARG, AUS, BEL, BHS, BRA, CAN, CHE, CHL, CHN, COL, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, IDN, IND, IRL, ISL, ITA, JPN, KOR, LBR, MEX, MHL, MLT, MYS, NLD, NOR, NZL, PAN, PER, PHL, POL, PRT, QAT, SGP, SWE, TUN, TUR, TZA, URY, VCT, VUT	12/02/14	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Lubrizol CV7060	Calcium alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and Mineral oil	USA	CYM, FRA, HKG, LBR, MHL, NGA, NOR, PAN, SGP, ZAF, ARE, GBR	24/04/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol FC8051X	Calcium alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and Mineral oil	USA	CYM, HKG, LBR, MHL, NOR, PAN, SGP, GBR	30/04/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol FC9050	Calcium alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	CYM, HKG, LBR, MHL, NOR, PAN, SGP, GBR	30/04/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol FC9052X	Calcium alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and Mineral oil	USA	ARG, AUS, BRA, CAN, CYM, CHL, CHN, COL, CYP, DNK, ECU, EGY, EST, DEU, GRC, HKG, ISL, IND, IDN, IRL, ITA, LBR, MDG, MYS, MLT, MHL, MEX, NLD, NZL, NGA, NOR, PAN, PER, PHL, PRT, KOR, LCA, VCT, SLE, SGP, ZAF, ESP, CHE, TUN, TUR, ARE, GBR, TZA, URY, VUT	24/03/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Lubrizol
Lubrizol MD9C01X	Calcium long-chain alkyl phenate sulphide (C8-C40)	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 14 of 28**

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Lubrizol MD9C08X	Calcium long chain alkyl phenate sulphide (C8-C40)	USA	CYM, CHN, CYP, FRA, HKG, IDN, LBR, MYS, MLT, MHL, NOR, PAN, KOR, SGP, ARE, GBR	11/07/16	31/12/19	Z	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol MD9C70X	Calcium long chain alkyl phenate sulphide (C8-C40)	USA	AUS, CYM, CHN, CYP, HKG, IDN, LBR, MLT, MHL, NOR, PAN, KOR, SGP, GBR	15/03/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6,16.2.6	Lubrizol
Lubrizol PV1023	Calcium alkaryl sulphonate (C11-C50), Alkenyl (C11+) amide and mineral oil	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol PV1127K	Calcium alkaryl sulphonate (C11-C50), Alkenyl (C11+) amide and Mineral oil	USA	ARG, AUS, BHS, BEL, BRA, CAN, CYM, CHL, CHN, COL, CYP, DNK, ECU, EGY, EST, FIN, FRA, DEU, GRC, HKG, ISL, IND, IDN, IRL, ITA, JPN, LBR, MYS, MLT, MHL, MEX, NLD, NZL, NOR, PAN, PER, PHL, POL, PRT, QAT, KOR, VCT, SGP, ZAF, ESP, SWE, CHE, TUN, TUR, ARE, GBR, TZA, URY, VUT	10/02/14	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19,16.2.6	Lubrizol
Lubrizol PV3400X	Polyolefin amide alkeneamine (C17+) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Lubrizol PV6500X	Alkylated (C4-C9) hindered phenols; Polyolefin amide alkeneamine (C17+) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6	Lubrizol
Lubrizol PV6501X	Alkylated (C4-C9) hindered phenols; Polyolefin amide alkeneamine (C17+) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Lubrizol PV7053	Calcium alkaryl sulphonate (C11-C50), Alkenyl (C11+) amide and mineral oil	USA	ARG, AUS, BRA, CAN, CYM, CHN, CYP, DNK, ECU, EGY, EST, FIN, DEU, GRC, HKG, IND, IRL, ITA, JPN, LBR, MYS, MLT, MHL, MEX, NLD, NOR, PAN, PER, PHL, SGP, ZAF, ESP, CHE, TUR, ARE, URY, VUT	08/12/14	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol PV7601	Polyolefin amide alkeneamine (C17+), Alkenyl (C11+) amide and mineral oil	USA	AUS, CYM, CHN, CYP, HKG, IDN, LBR, MLT, MHL, NOR, PAN, KOR, SGP, GBR	06/04/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol PV9121	Polyolefin amide alkeneamine (C17+), Alkenyl (C11+) amide, and Mineral oil	USA	AUS, CYM, CHN, CYP, HKG, LBR, MLT, MHL, NOR, PAN, KOR, SGP, GBR	30/03/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Lubrizol PV9121S	Polyolefin amide alkeneamine (C 17+), Alkenyl (C 11+) amide, and Mineral oil	USA	AUS, CYM, CHN, CYP, FRA, HKG, LBR, MLT, MHL, NOR, PAN, KOR, SGP, GBR	15/03/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12,15.17,15.19, 16.2.6	Lubrizol
Lubrizol SLF6006	Polyolefin amide alkeneamine (C17+); Calcium long chain alkyl phenate sulphide (C8-C40)	USA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	Lubrizol
MAR 515U	Calcium long-chain alkyl phenate sulphide (C8-C40); Calcium alkaryl sulphonate (C11-C50)	USA	CYM, CHN, CYP, HKG, IDN, LBR, MLT, MHL, NOR, PAN, KOR, SGP, GBR	12/11/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Lubrizol
MAR660P	Calcium long chain alkyl (C18-C28) salicylate and mineral oil	SGP	DZA, ARG, AUS, BHS, BEL, BRA, CAN, CYM, CHN, COL, EGY, FRA, DEU, GRC, HKG, IND, IDN, ITA, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, ZAF, ESP, TUR, ARE, GBR, USA	06/09/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Chevron Oronite
MEG with up to 1.9% NaOH	Sodium hydroxide solution;	NOR	DNK, NLD, GBR	22/10/15	31/12/18	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		MI-SWACO
MPG Basic	Poly(2-8) alkylene glycol monoalkyl (C1-C6) ether and sodium methylate	USA	All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19.6	Dow Chemical Company
NH 758A	1,2-Propylene glycol	NOR	NLD, GBR	16/12/14	31/12/17	Z	S/P	3	2G	Cont	No	T3	IIB	No	C	F	AC	No	15.19.6	Clariant Oil Services Scandinavia AS

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 17 of 28
Company**

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
NORLIG SA LIQUID	Calcium lignosulphonate solutions	ZAF	BRA, CYM, DJI, EGY, JPN, KEN, NOR, SGP, ESP, TUR, TZA	01/04/16	31/12/19	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.6	LignoTech South Africa
OLOA 273 Distillate	Alkylphenols (C10-C18, C12 rich);	FRA	DZA, AUS, BHS, BEL, CYM, CHN, ECU, EGY, DEU, GRC, HKG, IND, IDN, ITA, JPN, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, SGP, ZAF, ESP, TUR, ARE, GBR, USA	22/09/16	31/12/19	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 275JR	Calcium long-chain alkyl (C18-C28) salicylate and mineral oil	USA	DZA, ARG, AUS, BHS, BGD, BEL, BRA, CAN, CYM, CHN, COL, ECU, EGY, FIN, FRA, DEU, GRC, HKG, IND, IDN, ITA, JPN, LBR, MYS, MEX, NLD, NZL, NGA, NOR, PAN, PER, PHL, KOR, SGP, ZAF, ESP, SWE, THA, TUR, ARE, GBR, VEN, VNM	05/08/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite Company LLC

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 18 of 28**

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
OLOA 760A	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase, calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 760SA	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase, calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 865G	Calcium long chain alkyl phenate sulphide (C8-C40)	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 4594R	Alkyl(C18-C28) toluenesulphonic acid, calcium salts, low overbase, zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 4594RS	Calcium alkaryl sulphonate (C11-C50), zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 8888	Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite
OLOA 9790F	Alkyl (C18-C28) toluene sulfonic acid, calcium salts, high overbase; Calcium long chain alkyl phenate sulphide (C8-C40) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 9999	Alkyl(C18-C28) toluenesulphonic acid, calcium salts, high overbase, zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 16310	Calcium alkyl (C10-C28) salicylate; Long-chain alkylphenol (C14-C18) and mineral oil	SGP	AUS, CHN, FRA, HKG, IND, IDN, JPN, MYS, NZL, PHL, KOR, THA, USA	29/11/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
OLOA 48014	Calcium long-chain alkyl (C18-C28) salicylate/Zinc alkyl dithiophosphate (C3-C14) in mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Chevron Oronite
OLOA 48018	Calcium long-chain alkyl (C18-C28) salicylate and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 49819	Alkyl (C18-C28) toluene sulphonic acid, calcium salts, high overbase, Calcium long chain alkyl phenate sulphide (C8-C40) and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 49822	Calcium long chain alkyl phenate sulphide (C8-C40) and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron Oronite
OLOA 49825	Alkyl(C18-C28) toluenesulphonic acid, calcium salts, low overbase, Oleylamine, and mineral oil	FRA	BHS, CYM, HKG, JPN, LBR, NLD, NOR, PAN, PHL, SGP, TUR, GBR, USA	23/04/14	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 49888	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, high overbase, Calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 50908	Calcium long-chain alkyl salicylate (C13+)	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 54000	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
OLOA 54013	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	DZA, AUS, BHS, BEL, CYM, CHN, EGY, DEU, GRC, HKG, IND, IDN, ITA, JPN, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, SGP, ZAF, TUR, ARE, GBR, USA	09/02/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 55501	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 58000	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 59077	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, low overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 59122	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 59168	Alkyl (C18-C28) toluene sulfonic acid, calcium salts, high overbase; Polyolefin amide alkeneamine polyol and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 59211	Alkyl (C18-C28) toluene sulfonic acid, calcium salts, borated; Polyolefin amide alkeneamine polyol and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
OLOA 59716	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, low overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 59726	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, high overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 59762	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, high overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 59766	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 59770	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase; Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	DZA, AUS, BHS, BEL, CYM, CHN, EGY, DEU, GRC, HKG, IND, IDN, ITA, JPN, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, SGP, ZAF, TUR, ARE, GBR, USA	09/02/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 65747	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
OLOA 68006	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, high overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 22 of 28**

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
OLOA 99470E	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, low overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 99480	Alkyl (C18-C28) toluenesulphonic acid, calcium salts, borated, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	SGP	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
Paraset 29H	Alkyl(C5-C8) benzenes and Poly(2+)cyclic aromatics	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
Paraset 32S	Alkyl(C9+) benzenes and Poly(2+)cyclic aromatics	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
Pentylol	n-Amyl alcohol and sec-Amyl alcohol	ZAF	All countries		None	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6	Sasol
PETROSWEET HSW85986	Hexahydro-1,3,5-trimethyl-s-triazine	GBR	NLD, NOR	26/11/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19	Baker Hughes
PHASETREAT 7623	Ethylene glycol monoalkyl ethers	NOR	GBR	21/10/14	31/12/17	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	16.2.9	Clariant Oil Services Scandinavia AS
PHASETREAT 13890	Ethylene glycol monoalkyl ethers	NOR	NLD, GBR	24/11/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12.3, 15.12.4, 15.19.6	Clariant Oil Services Scandinavia AS
Pilot 140	Alkyl(C9+) benzenes and Poly(2+)cyclic aromatics	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
Pilot 150H	Alkyl(C9+) benzenes and Poly(2+)cyclic aromatics	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
Pureclean Power	Alcohol (C9-C11) poly (2.5-9) ethoxylate	NOR	GBR	21/10/14	31/12/17	Y	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6	Kjemi A/S

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 23 of 28**

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
R09860A	Calcium long chain alkyl phenate sulphide (C8-C40); Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase and mineral oil	SGP	DZA, ARG, AUS, BHS, BEL, BRA, CAN, CYM, CHN, COL, ECU, EGY, FRA, DEU, GRC, HKG, IND, IDN, ITA, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, ZAF, ESP, THA, TUR, ARE, GBR, USA, VEN	11/03/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
R11699A	Calcium long chain alkyl phenate sulphide (C8-C40) and mineral oil	SGP	DZA, ARG, AUS, BHS, BEL, BRA, CAN, CYM, CHN, COL, ECU, EGY, FRA, DEU, GRC, HKG, IND, IDN, ITA, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, ZAF, ESP, THA, TUR, ARE, GBR, USA, VEN	17/03/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

MEPC.2/Circ.22
Annex 3
1 December 2016
Page 24 of 28

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
R11762A	Calcium long chain alkyl phenate sulphide (C8-C40); Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase and mineral oil	SGP	DZA, ARG, AUS, BHS, BEL, BRA, CAN, CYM, CHN, COL, ECU, EGY, FRA, DEU, GRC, HKG, IND, IDN, ITA, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, ZAF, ESP, THA, TUR, ARE, GBR, USA, VEN	11/03/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
R11763A	Calcium long chain alkyl phenate sulphide (C8-C40) and mineral oil	SGP	DZA, ARG, AUS, BHS, BEL, BRA, CAN, CYM, CHN, COL, ECU, EGY, FRA, DEU, GRC, HKG, IND, IDN, ITA, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, ZAF, ESP, THA, TUR, ARE, GBR, USA, VEN	11/03/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite
R-50359	Naphthalene and Alkyl (C5-C8) benzenes	GBR	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Nalco Champion
RAW C5	1-3-Cyclopentadiene and Isoprene	GBR	All countries		None	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC	No	15.12, 15.14, 15.17, 15.19.6, 16.6.2, 16.6.3	Sabic UK Petrochemicals
RBHC (Exxon Mobil)	Heptane and benzene	FRA	All countries		None	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	ExxonMobil

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
SASC2013	Sodium hydroxide (30% or less)/Sodium aluminate (25% or less) solution	USA	HKG, LBR, MHL, NLD, NOR, PAN, QAT, SGP, GBR	22/11/13	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19	Merichem Company
SCALETREAT 8199C	Ethanolamine	NOR	NLD, GBR	22/03/13	31/12/17	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19.6	Clariant Oil Services Scandinavia AS
SCALETREAT 13950	Ethylene glycol; Acidic phosphonate	NOR	NLD, GBR	23/11/15	31/12/18	Z	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6	Clariant Oil Services Scandinavia AS
SCALETREAT 14345	Ethylene glycol monoalkyl ethers	NOR	NLD, GBR	19/11/15	31/12/18	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6	Clariant Oil Services Scandinavia AS
SCALETREAT SD 12154	Potassium hydroxide solution	NOR	All countries		None	Z	S/P	3	2G	Cont	No	-	-	NF	C	No	No	No	15.17, 15.19, 16.2.9	Clariant Oil Services Scandinavia AS
SCALETREAT SD 12392	Acetic acid	NOR	All countries		None	Z	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19.6, 16.2.9	Clariant Oil Services Scandinavia AS
SCALETREAT TP 8385	Ethylene glycol	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Clariant Oil Services Scandinavia AS
SCALETREAT TP 8385 in up to (20%) NaCl/KCl	Ethylene glycol	NOR	NLD, GBR	27/07/14	31/12/17	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Clariant Oil Services Scandinavia AS
SCALETREAT TP 8441 in up to [20%] NaCl/KCl	Hydrochloric acid	NOR	NLD, GBR	20/02/14	31/12/17	Z	S/P	3	2G	Open	No	-	-	Yes	C	No	AC	No	15.19.6	Clariant Oil Services Scandinavia AS
SCALETREAT TP 12517	Ethanolamine	NOR	NLD, GBR	28/05/15	31/12/18	Z	S/P	3	2G	Cont	No	-	-	Yes	O	No	AC	No		Clariant Oil Services Scandinavia AS
SCALETREAT XL36	Calcium chloride solution and Maleic acid/allyl sulphonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution)	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No		Clariant Oil Services Scandinavia AS
SCAVTREAT 1031	Hexahydro-1,3,5-trimethyl-1,3,5-triazine;	NOR	NLD, GBR	20/10/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	Clariant Oil Services Scandinavia AS

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

MEPC.2/Circ.22
Annex 3
1 December 2016
Page 26 of 28

Trade Name	Contains	Rep Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
SCAVTREAT 7103	1,3,5-Hexahydrotriethanol-1,3,5-triazine;	NOR NLD, GBR	25/06/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	Clariant Oil Services Scandinavia AS
SCW85780	Polyphosphoric acids, esters and triethanolamine, sodium salts	GBR NLD, NOR	13/01/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	R	No	AC	No	15.19.6, 16.2.6, 16.2.9	Baker Hughes
SCW85902 in KCL	[(≤24% phosphonomethyl) imino]bis[ethylenenitrolobis (methylene)] tetrakisphosphonic acid, ammonium salt solution	GBR BHS, NOR	14/01/15	31/12/18	Z	S/P	3	2G	Open	No	-	-	Yes	R	No	ABC	No	15.17, 15.19.6	Baker Hughes
SD-4127	Acetic acid; 1,3,5-Hexahydrotriethanol-1,3,5-triazine;	NOR All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	MI SWACO
SD-4206	Sodium hydroxide solution	NOR NLD, GBR	02/03/15	31/12/18	Z	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No		MI-SWACO
SD-4820	Formic acid	NOR NLD, GBR	02/09/16	31/12/19	Y	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6	Schlumberger Production Technologies
Secure SC2020	3-(Triethoxysilyl)propylamine	NOR All countries		None	Z	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19	Nalco Champion
SFPEC1609A	Methyl alcohol	GBR NLD, QAT, VCT	30/05/14	31/12/17	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	ABC	Yes	15.19.6	Nalco Champion
SFPEC1610A	Ethylene glycol monoalkyl ethers	GBR NLD, QAT, VCT	30/05/14	31/12/17	Y	S/P	3	2G	Cont	No	T1	IIB	No	R	F	ABC	No	15.19.6	Nalco Champion
SI-4113	Propylene glycol	NOR All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		MI-SWACO
SI-4168	Ethylene glycol	NOR NLD, GBR	02/03/16	31/12/19	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19.6	Schlumberger Production Technologies
SI-4489	2,6-Diaminohexanoic acid phosphonate mixed salts solution	NOR All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No		Schlumberger Oilfield Services
Solidless Kill Pill containing Sodium bromide	sodium bromide	NOR GBR	11/08/14	31/12/17	Y	S/P	3	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9	Halliburton AS
Solvesso 150	Naphthalene	BEL All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	ExxonMobil
Solvesso 150 ND	Alkyl (C3-C11) benzenes	BEL All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	ExxonMobil
Solvesso 200	Naphthalene	BEL All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	ExxonMobil

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 27 of 28**

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Solvesso 200 ND	Alkylnaphthalenes	BEL	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	ExxonMobil
SOLVTREAT 3030	Alkanes (C10-C26), linear and branched (flashpoint >60°C) and Ethylene glycol monoalkyl ethers	NOR	All countries		None	Y	S/P	3	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6	Clariant Oil Services Scandinavia AS
SOLVTREAT 3062	Ethylene glycol monoalkyl ethers	NOR	All countries		None	Z	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No	15.19.6	Clariant Oil Services Scandinavia AS
SOLVTREAT 12093	Ethylene glycol monoalkyl ethers	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Clariant Oil Services Scandinavia AS
Surfatron DP-177	Sodium alkyl (C14-C17) sulphonates (60-65% solution);	USA	MEX	18/09/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6	Nalco Champion
SURFOM CS 5015	Ethoxylated tallow amine	BRA	All countries		None	X	S/P	2	2G	Cont	Inert	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Oxiteno Nordeste S/A Industria e Comercio
Talumar B	Calcium long chain alkyl phenate sulphide (C8-C40); Calcium alkaryl sulphonate (C11-C50)	USA	AUS, CYM, CHN, CYP, HKG, IDN, LBR, MLT, MHL, NOR, PAN, KOR, SGP, GBR	15/03/16	31/12/19	Y	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.19.6, 16.2.6	Lubrizol
Talupac	Calcium long chain alkyl phenate sulphide (C8-C40); Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase and mineral oil	SGP	DZA, ARG, AUS, BHS, BEL, BRA, CAN, CYM, CHN, COL, ECU, EGY, FRA, DEU, GRC, HKG, IND, IDN, ITA, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, ZAF, ESP, THA, TUR, ARE, GBR, USA, VEN	11/03/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite

TRIPARTITE AGREEMENTS

List 3: (Trade-named) mixtures containing at least 99% by weight of components already assessed by IMO, presenting safety hazards

**MEPC.2/Circ.22
Annex 3
1 December 2016
Page 28 of 28**

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
TALUPAC B	Calcium long chain alkaryl sulphionate (C11-C50); Calcium long chain alkyl phenate sulphide (C8-C40) mixture in mineral oil	USA	CYM, CHN, CYP, HKG, LBR, MLT, MHL, NOR, PAN, SGP, GBR	03/09/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Tergitol S	Alcohol (C12-C16) poly(7-19) ethoxylates	USA	CYM, CYP, FRA, GBR, GRC, HKG, LBR, MHL, MLT, NLD, NOR, PAN, SGP	14/01/14	31/12/17	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9	Dow Chemical Company
Ucarsol	Piperazine, 68% solution	USA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Dow Chemical
Vertiscreen 052R	Ethyl alcohol	NOR	All countries		None	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6	Vertical
VX 8925	Napthalene and Alkyl (C5-C8) benzenes	GBR	All countries		None	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6	Nalco Champion
Waksol 911 A	n-Alkanes (C9-C11); Paraffin wax	ZAF	All countries		None	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9	Sasol
Waksol 911 B	n-Alkanes (C9-C11); Paraffin wax	ZAF	All countries		None	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9	Sasol

ANNEX 4

TRIPARTITE AGREEMENTS

List 4: Pollutant only mixtures containing one or more components, forming more than 1% by weight of the mixture, which have not yet been assessed by IMO

**MEPC.2/Circ.22
Annex 4
1 December 2016
Page 1 of 1**

Tradename	n.o.s.	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	ST	Remark	Company
Biopac II	7	Sodium chloride solution	NOR	GBR	30/06/14	31/12/17	Y	3		Halliburton Sandinavia
FLOPAAM EM 533 DC 01	7	Iso- and cyclo-alkanes (C12+)	GBR	DNK, NLD, NOR	25/11/14	31/12/17	Y	3	High Viscosity	SNF SAS
HII-124B Liquid	9	Potassium iodide	NOR	GBR	28/07/14	31/12/17	Z	3		Halliburton Scandinavia
SCALETREAT 12675	9	(((Phosphonomethyl) imino) bis (ethylenenitrile bis (methylene))) tetrakisphosphonic acid, ammonium salt)	GBR	NLD, NOR	14/06/16	31/12/19	Z	3		Clariant Oil Services UK Ltd
SCW83263	9	Sulphonated alkylcarboxylic acid polymer salt	GBR	NLD, NOR	13/03/16	31/12/19	Z	3		Baker Hughes
SCW85902	7	[[phosphonomethyl) imino]bis[ethylenenitrilobis(methylene)]] tetrakisphosphonic acid, ammonium salt solution	GBR	NOR, USA	14/01/16	31/12/19	Y	3		Baker Hughes
SOLVTREAT 13860	9	Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	NOR	NLD, GBR	27/05/15	31/12/18	Z	3		Clariant Oil Services Scandinavia AS

* * *

LIST 5: SUBSTANCES NOT SHIPPED IN PURE FORM BUT AS COMPONENTS IN MIXTURES

Product Name	Relevant columns of the GESAMP Hazard Profile						
	A1	A2	B1	B2*	D3	E2	Ship Type
Acrylic acid / dimethyldiallylammonium chloride copolymer, partial sodium salt (MWt 1500-4000, aqueous solution)	0	R	0	0		D	NA
L-Aspartic acid, homopolymer, sodium salt (aqueous solution)	0	NR	0	NI		D	NA
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl), 4-hydroxy-C7-C9 alcohols branched and linear	3	NR	3	0		Fp	2
Bismuth oxide	(0)	Inorg	(0)	(0)		S	3
Boric acid	0	Inorg	1	0	R	S	3
Cinnamaldehyde	(2)	R	2	0	Ss	SD	3
Dipropylene glycol dibenzoate	3	R	3	NI		S	2
1,3,5-Hexahydrotriethanol-1,3,5-triazine	(0)	R	3	NI	Ss	D	2
Maleic acid/allyl sulphonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution)	0	NR	0	NI		D	NA
Polyalkene sulphonic acid (C20-C28), sodium salt	(4)	(NR)	1	0		Fp	2
Polyether, borated	0	NR	3	1		D	2
Potassium carbonate solution	0	Inorg	2	NI		D	3
Potassium iodide	(0)	Inorg	1	0	T	D	3
Sodium methylate	(0)	(R)	(2)	NI	T	DE	2
Tall oil acids/linoleic acid dimer/polyalkylenepolyamines/dodecylbenzenesulphonic acid complexes in naphtha/isopropanol	0	NR	1	NI	CM	Fp	2
3-(Triethoxysilyl)propylamine	1	R	1	NI		D	2

* BLG 6 had agreed that, in the absence of measured chronic toxicity data, surrogate data using the GHS system to estimate missing chronic aquatic toxicity data could be used and that the estimation of chronic toxicity would be determined as shown below:

1. if, in the GESAMP Hazard Profile, Col B2 is 'NI' or Col A1 is 'NI' or Col A2 is 'NI', then there are not enough data to apply the OECD criteria, and therefore the product is deemed to be chronically toxic to aquatic organisms; but
2. if the aquatic LC50 is <100mg/l (Col B1 is 2, 3, 4, 5 or 6); and the product is Not Readily Biodegradable (Col A2 is 'NR') or the product is bio-accumulated (Col A1 is 4, 5 or 6), then the product is deemed to have a chronic toxicity of <1mg/l which is equivalent to a '1' in column B2; otherwise
3. the product is deemed not to be chronically toxic.

SYNONYMS FOR VEGETABLE OILS

CASTOR OIL

BP Castor Oil
 BSS Castor Oil
 Castor Oil First Special Grade
 Commercial Castor Oil
 First Pressure Castor Oil
 Fractionated Castor Oil
 Hydrogenated Castor Oil
 Interesterified Castor Oil
 No 1 Castor Oil
 Pharmaceutical Grade Castor Oil
 Ricinus Oil

COCOA BUTTER

Cocoa Butter Degummed
 Cocoa Butter Pressed Degummed Deodorized
 Crude Cocoa Butter
 Deodorized Cocoa Butter
 Deodorized Degummed Cocoa Butter
 PPP (Pure Prime Pressed) Cocoa Butter

COCONUT OIL

Cochin Coconut Oil
 Coconut Palm Oil
 Copra Oil
 Crude Coconut Oil
 Degummed Coconut Oil
 Fractionated Coconut Oil
 Free Coconut Oil
 Hydrogenated Coconut Oil
 Interesterified Coconut Oil
 RBD Coconut Oil

CORN OIL

Crude Corn Oil
 Crude Degummed Corn Oil
 Fractionated Corn Oil
 Hydrogenated Corn Oil
 Interesterified Corn Oil
 Maize Oil
 RBD Maize Oil
 RBD Corn Oil
 RBDW Corn Oil
 RBDW Maize Oil
 Refined and Bleached Corn Oil

Refined, Bleached and Winterized Corn Oil

COTTON SEED OIL

Cotton Oil
 Fractionated Cottonseed Oil
 Hydrogenated Cottonseed Oil
 Interesterified Cottonseed Oil
 PBSY Cottonseed Oil
 Semi-refined Cottonseed Oil

FISH OIL

Anchovy Oil
 Capelin Oil
 Cod Oil
 Crude Fish Oil
 Fractionated Fish Oil
 Herring Oil
 Hydrogenated Fish Oil
 Interesterified Fish Oil
 Menhaden Oil
 Menhaden Stearin
 Salmon Oil
 Sardine Oil

GROUNDNUT OIL

Arachis Oil
 Crude Groundnut Oil
 Fractionated Groundnut Oil
 Hydrogenated Groundnut Oil
 Interesterified Groundnut Oil
 Peanut Oil
 Refined Groundnut Oil

ILLIPE OIL

Borneo Tallow
 Fractionated Illipe Oil
 Green Butter
 Hydrogenated Illipe Oil
 Illipe Butter
 Interesterified Illipe Oil
 Tengkwang Butter

JATROPHA OIL

Physic nut extract

SYNONYMS FOR VEGETABLE OILS

Ratanjyot oil

LARD

Choice Kettle Lard
Crude Lard
Edible Lard
Fractionated Lard
Hydrogenated Lard
Inedible Lard
Interesterified Lard
Leaf Lard
Steam Lard

LINSEED OIL

Crude Linseed Oil
Flaxseed Oil
Fractionated Linseed Oil
Hydrogenated Linseed Oil
Interesterified Linseed Oil
Raw Linseed Oil

MANGO KERNEL OIL

Fractionated Mango Kernel Oil
Hydrogenated Mango Kernel Oil
Interesterified Mango Kernel Oil
Mangifera Indica Oil
Mango Butter
Mango Seed Oil

NON-EDIBLE INDUSTRIAL GRADE PALM OIL

High FFA Crude Palm Oil
High FFA Technical Palm Oil
Low Grade Palm Oil

OLIVE OIL

Crude Olive Oil
Extra Virgin Olive Oil
Lampante Virgin Olive Oil
Olive-Pomace Oil
Ordinary Virgin Olive Oil
Refined Olive Oil
Virgin Olive Oil

PALM ACID OIL

Acid Oil from Palm Oil
Acid Oil from Palm Oil Refining
Acidulated Palm Oil Soapstock
Hydrogenated Palm Acid Oil

PALM FATTY ACID DISTILLATE

Distilled Palm Fatty Acid Distillate
Fatty Acid Distillate from Palm Oil Refining
Hydrogenated Palm Fatty Acid Distillate (HPFAD)
Palm Deodorizer Distillate
Palm Oil Fatty Acid Distillate

PALM KERNEL ACID OIL

Acidulated Palm Kernel Oil Soapstock
Hydrogenated Palm Kernel Acid Oil

PALM KERNEL OIL

Bleached Palm Kernel Oil
Crude Palm Kernel Oil (CPKO)
Fractionated Palm Kernel Oil
Hydrogenated Palm Kernel Oil
Interesterified Palm Kernel Oil
NBD Palm Kernel Oil
Neutralized Palm Kernel Oil
Palm Kernel Oil Fraction
RBD Palm Kernel Oil
Refined Palm Kernel Oil
Sustainable Palm Kernel Oil

PALM KERNEL OLEIN

Bleached Palm Kernel Olein
Crude Palm Kernel Olein
Fractionated Palm Kernel Olein
Hydrogenated Palm Kernel Olein
Interesterified Palm Kernel Olein
Liquid Fraction of Palm Kernel Olein
NBD Palm Kernel Olein
Neutralized Palm Kernel Olein
RBD Palm Kernel Olein
Sustainable Palm Kernel Olein

PALM KERNEL STEARIN

Bleached Palm Kernel Stearin
Crude Palm Kernel Stearin

SYNONYMS FOR VEGETABLE OILS

Fractionated Palm Kernel Stearin
 Hydrogenated Palm Kernel Stearin
 Interesterified Palm Kernel Stearin
 NBD Palm Kernel Stearin
 Neutralized Palm Kernel Stearin
 RBD Palm Kernel Stearin
 Sustainable Palm Kernel Stearin

PALM MID-FRACTION

Crude Palm Mid Fraction
 NBD Palm Mid Fraction
 Neutralized and Bleached Palm Mid Fraction
 Neutralized Palm Mid Fraction
 RBD Palm Mid Fraction
 Red Palm Mid Fraction
 Sustainable Palm Mid Fraction

PALM OIL

Bleached Palm Oil
 Crude Palm Oil (CPO)
 Fractionated Palm Oil
 Hydrogenated Palm Oil
 Interesterified Palm Oil
 NBD Palm Oil
 Neutralized Palm Oil
 Palm Mesocarp Oil
 Palm Fruit Oil
 RBD Palm Oil
 Red Palm Oil
 Sustainable Palm Oil
 Technical Palm Oil

PALM OLEIN

Bleached Palm Olein
 Crude Palm Olein
 Double Fractionated Palm Olein
 Fractionated Palm Olein
 Hydrogenated Palm Olein
 Interesterified Palm Olein
 NBD Palm Olein
 Neutralized Palm Olein
 Palm Superolein
 RBD Palm Olein
 Red Palm Olein
 Refined Palm Olein

Sustainable Palm Olein

PALM STEARIN

Bleached Palm Stearin
 Crude Palm Stearin
 Fractionated Palm Stearin
 Hydrogenated Palm Stearin
 Interesterified Palm Stearin
 NBD Palm Stearin
 Neutralized Bleached Palm Stearin
 Neutralized Palm Stearin
 RBD Palm Stearin
 Red Palm Stearin
 Refined Bleached Palm Stearin
 Refined Palm Stearin
 Soft Stearin
 Sustainable Palm Stearin

RAPESEED OIL

Crude Degummed Rapeseed Oil
 Crude Rapeseed Oil
 Fractionated HE Rapeseed Oil
 Genetically Modified Rapeseed Oil
 HEAR Oil
 HE Rapeseed Oil
 High Erucic Acid Rapeseed Oil
 Hydrogenated HE Rapeseed Oil
 Hydrogenated Rapeseed Oil
 Interesterified HE Rapeseed Oil
 Interesterified Rapeseed Oil
 LEAR Oil
 Low Erucic Acid Rapeseed Oil
 RBD Canola Oil
 RBD Rapeseed Oil
 Refined Canola Oil
 Refined Rapeseed Oil
 Tehnical Rapeseed Oil

RICE BRAN OIL

Fractionated Rice Bran Oil
 Hydrogenated Rice Bran Oil
 Interesterified Rice Bran Oil

SAFFLOWER OIL

Fractionated Safflower Oil

SYNONYMS FOR VEGETABLE OILS

Hydrogenated Safflower Oil
Interesterified Safflower Oil
Safflowerseed Oil
Thistleseed Oil

SHEA BUTTER

Karité Butter
Kariténut Butter
Shea Butter Oil
Shea Butter Olein
Shea Butter Stearin
Sheanut Butter

SOYABEAN OIL

Aceite Crude Desgomado de Soja (S)
Aceite Crudo de Soja (S)
Aceite de Soja (S)
Crude Degummed Soyabean Oil
Crude Degummed Soyabean Oil of Edible Grade
Crude Degummed Soybean Oil
Crude Soyabean Oil
Crude Soybean Oil
Crude Supergummed Soyabean Oil
Expelled Soyabean Oil
Fractionated Soyabean Oil
Genetically Modified Soyabean Oil
Huile Brute de Soja (F)
Huile Brute de Soja Desgommée (F)
Huile de Soja (F)
Hydrogenated Soyabean Oil
Interesterified Soyabean Oil
RBD Soyabean Oil
RBD Soy Oil
Refined Soy Oil
Soybean Oil
Soy Oil

SUNFLOWER SEED OIL

Crude Sunflower Oil
Crude Sunflowerseed Oil
Crude Sunflowerseed Oil of Edible Grade
Fractionated Sunflowerseed Oil
Genetically Modified Sunflowerseed Oil
High Oleic Sun Oil
Hydrogenated Sunflowerseed Oil
Interesterified Sunflowerseed Oil

Refined Sunflowerseed Oil
Sun Oil
Sunflower Oil

TALLOW

"A" Tallow
All Beef Packer Tallow
All White Tallow
Barso Tallow
Beef Tallow
Bleachable Fancy Tallow
Bulk Tallow
Choice White Grease
Choice White Tallow
Crude Tallow Oil
Edible Tallow
Extra Fancy Tallow
Fancy Tallow
Feed Grade Tallow
Fractionated Tallow
Gannet Tallow
Good Soap Tallow
Government Certified Edible Beef Tallow
High Energy Feed Fat
Hydrogenated Tallow
Inedible Tallow
Inedible Beef Tallow
Inedible Unbleached Technical Tallow
Interesterified Tallow
Laundry Grade Tallow
Low Grade Tallow
Low Titre Tallow
Mutton Tallow
Poultry Oil
Prime Tallow
Pure Beef Tallow
Special Tallow
Tallow Oil
Technical Edible Tallow
Technical Tallow
Toilet Grade Tallow
Top White Tallow
Yellow Grease

TUNG OIL

China Wood Oil
Raw Tung Oil

SYNONYMS FOR VEGETABLE OILS

MEPC.2/Circ.22
Annex 6
1 December 2016
Page 5 of 5

Raw Wood Oil
Wood Oil

Abbreviations:

BSP - British Pharmacopeia
BSS - British Standard Specification
RBD - Refined Bleached Deodorised
NBD - Neutralised Bleached Deodorised
RBDW - Refined Bleached Deodorised
Winterised
PBSY - Prime Bleached Summer Yellow
HE - High Erucic
HEAR - High Erucic Acid Rapeseed
LEAR - Low Erucic Acid Rapeseed

Note: Product names are in bold. All other names are synonyms.

ANNEX 7

LIST OF COUNTRY ABBREVIATIONS Part 1 - Code Order

MEPC.2/Circ.22
Annex 7
1 December 2016
Page 1 of 3

Code	Country	Code	Country
AFG	Afghanistan	COG	Congo
AGO	Angola	COK	Cook Islands
ALB	Albania	COL	Colombia
AND	Andorra	COM	Comoros
ARE	United Arab Emirates	CPV	Cabo Verde
ARG	Argentina	CRI	Costa Rica
ARM	Armenia	CUB	Cuba
ATG	Antigua and Barbuda	CYM	Cayman Islands (United Kingdom)
AUS	Australia	CYP	Cyprus
AUT	Austria	CZE	Czechia
AZE	Azerbaijan	DEU	Germany
BDI	Burundi	DJI	Djibouti
BEL	Belgium	DMA	Dominica
BEN	Benin	DNK	Denmark
BFA	Burkina Faso	DOM	Dominican Republic
BGD	Bangladesh	DZA	Algeria
BGR	Bulgaria	ECU	Ecuador
BHR	Bahrain	EGY	Egypt
BHS	Bahamas	ERI	Eritrea
BIH	Bosnia and Herzegovina	ESP	Spain
BLR	Belarus	EST	Estonia
BLZ	Belize	ETH	Ethiopia
BOL	Bolivia (Plurinational State of)	FIN	Finland
BRA	Brazil	FJI	Fiji
BRB	Barbados	FRA	France
BRN	Brunei Darussalam	FSM	Micronesia (Federated States of)
BTN	Bhutan	GAB	Gabon
BWA	Botswana	GBR	United Kingdom
CAF	Central African Republic	GEO	Georgia
CAN	Canada	GHA	Ghana
CHE	Switzerland	GIN	Guinea
CHL	Chile	GMB	Gambia
CHN	China	GNB	Guinea-Bissau
CIV	Côte d'Ivoire	GNQ	Equatorial Guinea
CMR	Cameroon	GRC	Greece
COD	Democratic Rep. of the Congo	GRD	Grenada

Code	Country	Code	Country
GTM	Guatemala	LVA	Latvia
GUY	Guyana	MAR	Morocco
HKG	Hong Kong, China	MCO	Monaco
HND	Honduras	MDA	Republic of Moldova
HRV	Croatia	MDG	Madagascar
HTI	Haiti	MDV	Maldives
HUN	Hungary	MEX	Mexico
IDN	Indonesia	MHL	Marshall Islands
IND	India	MKD	The former Yugoslav Republic of Macedonia
IRL	Ireland	MLI	Mali
IRN	Iran (Islamic Republic of)	MLT	Malta
IRQ	Iraq	MMR	Myanmar
ISL	Iceland	MNE	Montenegro
ISR	Israel	MNG	Mongolia
ITA	Italy	MOZ	Mozambique
JAM	Jamaica	MRT	Mauritania
JOR	Jordan	MUS	Mauritius
JPN	Japan	MWI	Malawi
KAZ	Kazakhstan	MYS	Malaysia
KEN	Kenya	NAM	Namibia
KGZ	Kyrgyzstan	NER	Niger
KHM	Cambodia	NGA	Nigeria
KIR	Kiribati	NIC	Nicaragua
KNA	Saint Kitts and Nevis	NIU	Niue
KOR	Republic of Korea	NLD	Netherlands
KWT	Kuwait	NOR	Norway
LAO	Lao People's Democratic Republic	NPL	Nepal
LBN	Lebanon	NRU	Nauru
LBR	Liberia	NZL	New Zealand
LBY	Libya	OMN	Oman
LCA	Saint Lucia	PAK	Pakistan
LIE	Liechtenstein	PAN	Panama
LKA	Sri Lanka	PER	Peru
LSO	Lesotho	PHL	Philippines
LTU	Lithuania	PLW	Palau
LUX	Luxembourg	PNG	Papua New Guinea

Code	Country	Code	Country
POL	Poland	TUR	Turkey
PRK	Democratic People's Rep. of Korea	TUV	Tuvalu
PRT	Portugal	TZA	United Republic of Tanzania
PRY	Paraguay	UGA	Uganda
QAT	Qatar	UKR	Ukraine
ROU	Romania	URY	Uruguay
RUS	Russian Federation	USA	United States
RWA	Rwanda	UZB	Uzbekistan
SAU	Saudi Arabia	VAT	Holy See
SDN	Sudan	VCT	Saint Vincent and the Grenadines
SEN	Senegal	VEN	Venezuela (Bolivarian Republic of)
SGP	Singapore	VNM	Viet Nam
SLB	Solomon Islands	VUT	Vanuatu
SLE	Sierra Leone	WSM	Samoa
SLV	El Salvador	YEM	Yemen
SMR	San Marino	ZAF	South Africa
SOM	Somalia	ZMB	Zambia
SRB	Serbia	ZWE	Zimbabwe
SSD	South Sudan		
STP	Sao Tome and Principe		
SUR	Suriname		
SVK	Slovakia		
SVN	Slovenia		
SWE	Sweden		
SWZ	Swaziland		
SYC	Seychelles		
SYR	Syrian Arab Republic		
TCD	Chad		
TGO	Togo		
THA	Thailand		
TJK	Tajikistan		
TKM	Turkmenistan		
TLS	Timor-Leste		
TON	Tonga		
TTO	Trinidad and Tobago		
TUN	Tunisia		

ANNEX 8

TRIPARTITE CONTACT ADDRESSES

ANTIGUA AND BARBUDA

Chief Marine Surveyor
Department of Marine Services and Merchant Shipping
(ADOMS)
Corner of Popeshead & Dickenson Bay Street
P.O. Box 1394
St. John's, Antigua W.I.
St John's
Antigua and Barbuda

Tel: 1 268 462 1273 or 562 3426
Fax: 1 268 462 4358
E-mail: technical@abregistry.ag

ARGENTINA

Mr. Luis Alberto Arroz
Director de Proteccion Ambiental
Dirección de Protección Ambiental
Av E. Madero 235 - 4° Piso - Oficina 4.42.
Buenos Aires
C1106ACC
Argentina

Tel: +54 11-4318-7666
+54 11 4318 7673
Fax: +54-11-4318-7666
E-mail: dpma-mp@prefectura naval.gov.ar,
laarroz@prefectura naval.gov.ar

AUSTRALIA

General Manager
Marine Environment Division, Australian Maritime Safety
Authority
GPO Box 2181
CANBERRA ACT 2601
Australia

Fax: +61 2 6279 5076
E-mail: GMMED@amsa.gov.au

BELGIUM

Mr. Patrick Van Lancker
Attaché
Federal Public Service Mobility & Transport
FOD Mobiliteit en Vervoer
Directoraat Generaal Vervoer
Natiënkaai 5
Oostende
8400
Belgium

Tel: +32 5956 1462
0477/424204
Fax: +32 5956 1474
E-mail: zeevaart.bulk@mobilit.fgov.be,
patrick.vanlancker@mobilit.fgov.be

BERMUDA (UNITED KINGDOM)

Mr Simon Hill
Acting Chief Surveyor
Bermuda Department of Maritime Administration
PO Box Hm1628
Hamilton HM GX
Bermuda (United Kingdom)

Tel: +1441 295 7251
Fax: +1441 295 3718
E-mail: survey.bermudashipping@gov.bm

BRAZIL

Eng. Martins
Diretoria de Portos e Costas (DPC-20)
Rua Teofilo Otoni, 4
Centro, Rio de Janeiro, CEP 20090-070
Brazil

Tel: +55-21-2104 5220
+55-21-2104 5203
Fax: +55-21-2104 5202
E-mail: tripartite@dpc.mar.mil.br

CANADA

Director General Marine Safety (AMS)
Transport Canada
Ottawa, ON
K1A 0N7
Canada

Tel: +1-613-998-0610
Fax: +1-613-954-1032
E-mail: marinesafety@tc.gc.ca

CAYMAN ISLANDS (UNITED KINGDOM)

C/O

Mr Iain David MacRae
Engineer Suveyor
Maritime and Coastguard Agency
Environmental Policy Branch
105 Commercial Road
Southampton
SO15 1EG
United Kingdom

Tel: +44 20381 72445
+44 20381 71001 (Front Desk)
E-mail: david.macrae@mcga.gov.uk

CHILE

Dirección General del Territorio Marítimo y de Marina
Mercante
Errazuriz No. 537
Correo Naval
Valparaíso
Chile

Tel: +56-32-258091
+56 32 258094
Fax: +56-32-252539

CHINA

China Maritime Safety Administration
Department of Ship Safety and Pollution Prevention
11 Jianguomennei Ave., Beijing 100736
China

Tel: +86-10-6529-2872
Fax: +86-10-6529-2875
E-mail: ehailiang@msa.gov.cn

Mr. Ming Song
China maritime safety administration
11 Jianguomennei Ave.
Dongcheng District
Beijing
100736
China

Tel: 0086 10 65292873
Fax: 0086 10 65293424
E-mail: cargo_china@msa.gov.cn

COLOMBIA

Dirección General Marítima-DIMAR
Carrera 54 No. 26-50 CAN
Bogotá
Colombia

Tel: (+571) 2200490
Fax: (+571) 2200490 Ext: 2213
E-mail: dimar@dimar.mil.co

CYPRUS

Mr. Ioannis Efstratiou
Acting Director
Department of Merchant Shipping
Ministry of Communications and Works
P.O. Box 56193, Kyllinis street
Limassol
CY-3305
Cyprus

Tel: +357 25 848 229
+357 25 848 100
Fax: + 357 25 848200
E-mail: maritimeadmin@dms.mcw.gov.cy,
environment@dms.mcw.gov.cy

DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA

Maritime Administration of the DPR Korea
Ryonhwa-2 Dong
Central District, P.O.Box 416
Pyongyang
Democratic People's Rep. of Korea

Tel: 00850 2 18111 ext 381 8059
Fax: 00850 2 381 4410
E-mail: mab@silibank.net.kp

DENMARK

Miss Sille Prang
LL.M.
Agency for Water and Nature Management
Ministry of the Environment and Food
Haraldsgade 53
Copenhagen Ø
DK-2100
Denmark

Tel: +45 93 58 81 45
E-mail: sipra@svana.dk

ECUADOR

Srta. Jacqueline Espinoza
Coordinadora
SUBSECRETARIA DE PUERTOS Y TRANSPORTE
MARITIMO Y FLUVIAL (SPTMF)
Av. 25 de Julio, Puerto Marítimo, Módulos 17 y 18
Guayaquil
Ecuador

Tel: 0059342592080 Ext. 82124
00593983021539
E-mail: jcespinoza@mtop.gob.ec,
jakelina3000@yahoo.es

EGYPT

Rear Adm. Tarek Ghanem
Head of Maritime Transport Sector
Maritime Transport Sector
Ministry of Transport
4 Ptolemy Street
Alexandria
21514
Egypt

Tel: +203 484 3631
Fax: +203 484 2096
002034842041
E-mail: contact@mts.gov.eg

ESTONIA

Mr. Jaak Arro
Head of Dangerous Goods Section
Estonian Maritime Administration
Lume 9
Tallinn
10416
Estonia

Tel: +372 6205 715
+372 6205 716
Fax: +372 6205 706
E-mail: nox@vta.ee

FINLAND

Dr. Jyrki Vähätalo
Senior Maritime Inspector
Finnish Transport Safety Agency
P.O. Box 320
Helsinki
FI-00101
Finland

Tel: +358 40 525 8668
E-mail: jyrki.vahatalo@trafi.fi

FRANCE

Mr Pierre DUFOUR
Adjoint au Chef de la mission transport de matières
dangereuses
Ministère de l'Environnement, de l'Energie et de la Mer
MEEM – DGPR – Mission Transport de Matières
Dangereuses (MTMD)
Tour Séquoia - Pièce 23-39
PARIS La Défense Cedex
92055
France

Tel: +33 1 40 81 14 96
Fax: +33 1 40 81 86 41
E-mail: pierre.dufour@developpement-
durable.gouv.fr

GERMANY

Mr. Berthold Kolberg
BG Verkehr, Dienststelle Schiffsicherheit
Reimerstwiete 2
Hamburg
20457
Germany

Tel: +49-40-3613-70
Fax: +49-40-3613-7204
E-mail: berthold.kolberg@bg-verkehr.de

GIBRALTAR (UNITED KINGDOM)

C/O

Mr Iain David MacRae
Engineer Surveyor
Maritime and Coastguard Agency
Environmental Policy Branch
Spring Place
105 Commercial Road
Southampton
SO15 7PL
United Kingdom

Tel: +44 20381 72445
+44 20381 71001 (Front Desk)
E-mail: david.macrae@mcga.gov.uk

GREECE

Cdr (HCG) Elias Sampatakakis
Greek Ministry of Mercantile Marine
Marine Environmental Protection
109 Ipsilantou & Tsamadou Str., 185 32 Piraeus
Greece

Tel: +30-210-419-1132
Fax: +30-210-422-0441
E-mail: esamp@yen.gr

Lt. Cdr. Kontralouris
Greek Ministry of Mercantile Marine
Department of International Cooperation
109 Ipsilantou & Tsamadou Str., 185 32 Piraeus
Greece

Tel: +30-210- 411-1304
Fax: +30-210- 422-0441
E-mail: chkon@yen.gr

HONDURAS

Miss Laura Rivera
Maritime Pollution Prevention Section
Direccion General de la Marina Mercante
Blvd. Los Proceres
Tegucigalpa
Honduras

Tel: (504) 2236-8872
(504) 9965-7898
E-mail: prevencion@marinamercante.gob.hn
, laurariverac@gmail.com

HONG KONG, CHINA

Chief, Maritime Policy
Marine Department
Multi-lateral Policy Division
21/F, Harbour Building, 38 Pier Road,
Central,
Hong Kong, China

Tel: +852 2852 4603
Fax: +852 2542 4841
E-mail: hkmpd@mardep.gov.hk

ICELAND

Icelandic Transport Authority
Ármúli 2
Reykjavík
105
Iceland

Tel: +354 4806000
E-mail: samgongustofa@samgongustofa.is

INDIA

Mr. Deepak Shetty
Director General of Shipping
Directorate General of Shipping
Ministry of Shipping, Road Transport and Highways
9th Floor, BETA Building, Kanjurmarg East,
MUMBAI
400042
India

Tel: +912225752005
Fax: +912225752011
E-mail: dshetty-dgs@nic.in

IRELAND

Mr David Taylor
Engineer and Ship Surveyor
Maritime Safety Directorate
Leeson Lane
Dublin 2
Ireland

Tel: +35316783471
Fax: +35316783409
E-mail: davidtaylor@transport.ie

ISLE OF MAN (UNITED KINGDOM)

C/O

Mr Iain David MacRae
Engineer Surveyor
Maritime and Coastguard Agency
Environmental Policy Branch
Spring Place
105 Commercial Road
Southampton
SO15 7PL
United Kingdom

Tel: 020381 72445
020381 71001 (Front Desk)
E-mail: david.macrae@mcga.gov.uk

ITALY

Mr. Giorgio Saletti
RINA SpA
Head Office
Via Corsica 12, 16128 Genova
Genova
Italy

Tel: +39-010-5385-437
Fax: +39-010-5351-130
E-mail: giorgio.saletti@rina.org

JAPAN

Mr Tomohiko Mino
Official, Office of Marine Environment, Water Environment
Division
Environmental Management Bureau, Ministry of the
Environment
1-2-2 Kasumigaseki, Chiyoda-ku
Tokyo
100-8975
Japan

Tel: +81 3 5521 9023
Fax: +81 3 3593 1438
E-mail: TOMOHIKO_MINO@env.go.jp

LIBERIA

C/O

Mr. Sebastian Farr
Director, Division of Monitoring, Surveillance
Liberia Maritime Authority (LiMA)
MRCC - Monrovia
Division of Monitoring, Surveillance & Rescue, Liberia
Coast Guard Headquarter
1000 Monrovia
Liberia

Tel: 00-231-777-092229
00-777-290158
E-mail: MRMRCC@LIMA-LIBERIA.COM,
MRCC.MONROVIA@YAHOO.COM

C/O

Mr. Josiah O. Botoe
Acting Technical Supervisor/Focal Person, Regional SAR
Secretariat
Liberia Maritime Authority (LiMA)
MRCC-Monrovia, Division of Monitoring, Surveillance &
Rescue
MRMRCC, Liberia Coast Guard Headquarters, Bushrod
Island
1000 Monrovia
Liberia

Tel: 00-231-886-284317
E-mail: omascobotoe@gmail.com,
omascob78@yahoo.com

C/O

Mr. Tony Dupree
VP Technical Department
Office of the Deputy Commissioner of Maritime Affairs of
the Republic of Liberia
Liberian International Ship & Corporate Registry
8619 Westwood Center Dr
Vienna, Virginia
22182
United States

Tel: +1 703 790 3434
+ 1 703 963 6216
Fax: +1 703 790 5655
E-mail: technical@liscr.com

MADAGASCAR

Colonel Jean Hubert ZIPA
Directeur Général
AGENCE PORTUAIRE, MARITIME ET FLUVIALE (APMF)
APMF Siège
Alarobia, Près LNTPB, Route des hydrocarbures
ANTANANARIVO
101
Madagascar

Tel: +261321125701
+261321125700
Fax: +261 20 22 539 34
E-mail: apmf@apmf.mg, hubert@apmf.mg

MALAYSIA

Captain Jailani Jalal
Director, Port and Seafarers Affairs
Jabatan Laut Malaysia
Ibu Pejabat, Peti Surat 12
Jalan Limbungan, 42007 Pelabuhan Kelang, Selangor
Darul Ehsan
Malaysia

Tel: +603 3346 7777
+603 3346 7622
Fax: +603 3168 5289
E-mail: jai@marine.gov.my,
kpgr@marine.gov.my

MALTA

Mr Ivan Sammut
Registrar General of Shipping and Seamen
Transport Malta
Merchant Shipping Directorate
Malta Transport Centre
Marsa
MRS 1917
Malta

Tel: 00356 21250360
Fax: 0035621241460
E-mail: mershipmalta.tm@transport.gov.mt

MARSHALL ISLANDS

Mr. Hans Molver
Senior Vice President, Technical
Marshall Islands Maritime Administrator
Technical Services
Office of the Marshall Islands Maritime Administrator
Republic of the Marshall Islands, 11495 Commerce Park
Drive
Reston, Virginia
20191-1506
United States

Tel: +1 703 620 4880
Fax: +1 703 476 8522
E-mail: technical@register-iri.com

NETHERLANDS

Human Environment and Transport Inspectorate
Ministry of Infrastructure and the Environment
Rijksinspectiekantoor, Westelijke Parallelweg 4, 3331 EW
Zwijndrecht
PO Box 16191
The Hague
2500 BD
Netherlands

Tel: +31884890000
E-mail: Marpol.tripartite@ilent.nl,
IMSBC.info@ilent.nl

NEW ZEALAND

Mr. Ian Lancaster
Principal Advisor International
Maritime New Zealand
Level 11, 1 Grey St, Wellington 6011
PO Box 25620, Wellington 6146
Wellington
6146
New Zealand

Tel: +64-4-473-0111
Fax: +64-4-494-1263
E-mail: enquiries@maritimenz.govt.nz

NIGERIA

C/O

ENGR. FEMOWEI ABEL GBENDOR
HEAD, MARITIME SAFETY & SEAFARERS
DEPARTMENT
Nigerian Maritime Administration and Safety Agency
4 Burma Road
Apapa, Lagos
Nigeria

Tel: +2348036742681
E-mail: abel.femowei@nimasa.gov.ng,
femgben2005@yahoo.com

C/O

DR DAKUKU PETERSIDE
DIRECTOR GENERAL
NIMASA
NO 4 BURMA ROAD
APAPA, LAGOS
Nigeria

Tel: +2348033123801
+2349055255555
E-mail: dakuku.peterside@nimasa.gov.ng,
dakuku3@yahoo.com

NORWAY

Norwegian Maritime Directorate
Smedasundet 50A
P.O. Box 2222
N-Haugesund
N-5528
Norway

Tel: +47 52 74 51 80
+47 52 745 000
+47 52 74 50 01
E-mail: postmottak@sjofartsdir.no

PANAMA

Eng. Fidel González
SEGUMAR
(secondary contact point) Panama Maritime Authority
Albrook, Omar Torrijos Herrera Ave.
PanCanal Building, 4th Floor
Panama City
Panama

Tel: +507 501 5350
+507 501 5348
E-mail: authorizations@segumar.com

Eng. Rina Berrocal
SEGUMAR
Panama Maritime Authority
SEGUMAR PANAMA
PAN CANAL BUILDING OMAR TORRIJOS HERRERA
ALBROOK AVE 4FL
Panama City
Panama

Tel: +507 501 5348
+507 501 5350
E-mail: rberrocal@segumar.com,
authorizations@segumar.com

PAPUA NEW GUINEA

Capt. Nurur Rahman, AFNI, MAIMS
Executive Manager, Maritime Operations
National Maritime Safety Authority
Level 3, Defens Haus, P.O. Box 668,
Port Moresby
National Capital District
121
Papua New Guinea

Tel: +675 305 4600
+675 321 3033
+675 7204 5402
Fax: +675 321 0873
+675 321 0484
E-mail: nrahman@nmsa.gov.pg,
nmsa@nmsa.gov.pg,
rahman.nurur068@gmail.com

PERU

Contralmirante Angel TELLO Galiardi
Comandante de Operaciones Guardacostas
Dirección General de Capitanías y Guardacostas -
Comandancia de Operaciones Guardacostas
Av. Contralmirante Mora S/N. - Base Naval del Callao
Callao 01
Peru

Tel: +51 1 4200766
51 941898241
Fax: +51 1 4291547
E-mail: comoperguard@dicapi.mil.pe,
angel.tello@dicapi.mil.pe

PHILIPPINES

Mr. Emerson M. Lorenzo
Administrator
Maritime Industry Authority
5th Floor, PPL Bldgs., U.N. Avenue
Manila
Philippines

Tel: +63-2-521-1017
Fax: +63-2-524-2746
E-mail: emlorenzo2003@yahoo.com,
nic.conti@yahoo.com,
louie.delos.sanos@gmail.com

POLAND

Department of Maritime Economy
Ministry of Maritime Economy and Inland Navigation
6/12 Nowy Swiat Str.
Warsaw
00-400
Poland

Tel: +48 22 583 85 70
Fax: +48 22 583 85 71
E-mail: SekretariatDGM@mgm.gov.pl

PORTUGAL

Mr Paulo Parracho
Diretor of Maritime Administration
Direção-Geral de Recursos Naturais, Segurança e Serviços
Marítimos
Avenida Brasília
Lisboa
1449-030
Portugal

Tel: (+351) 21 3035700
E-mail: marad@dgrm.gov.pt

REPUBLIC OF KOREA

Mr Guisang LIM
Director
Ministry of Oceans and Fisheries
Maritime Industry and Technology Division
Government Complex Sejong, 5-Dong, 94
Dasom2-Ro
Sejong-City
339-012
Republic of Korea

Tel: +82-44-200-5836
Fax: +82-44-200-5849
E-mail: lim471@korea.kr, jimsea@korea.kr

SAINT LUCIA

MR CHRISTOPHER ALEXANDER
DIRECTOR-MARITIME AFFAIRS
SAINT LUCIA AIR AND SEA PORTS AUTHORITY-
SLASPA
MANOEL STREET. CASTRIES
CASTRIES
651
Saint Lucia

Tel: 17587284846
Fax: 17584530889
E-mail: christopher.alexander@slaspa.com,
chrisfalex@gmail.com

SAINT VINCENT AND THE GRENADINES

Mr. Sjevo Dabinovic
Commissioner
Maritime Affairs of St. Vincent and the Grenadines
Monte Carlo Sun E/F
74 Boulevard d'Italie, MC 98000 MONACO

Tel: +377 93 104450
Fax: +377 93 104499

SIERRA LEONE

Alhaji Wurroh Jalloh
Executive Director
Sierra Leone Maritime Administration
6 Government Wharf
Freetown
Maritime House
Sierra Leone

Tel: +232 76601378
+232 33601378
+442035140630
E-mail: alhajiwurroh@yahoo.com,
registrar@slmarad.com

SINGAPORE

Mr. Hock Beng Yeo
Maritime and Port Authority of Singapore (MPA)
Marine Environment & Safety (MES) Department
Hazardous Cargo Section
#19-00 Tanjong Pagar Complex, 7B Keppel Road
Singapore
089055
Singapore

Tel: +65-6325-2449
+65-6325-2421
Fax: +65-6325-2430
E-mail: hock_beng_yeo@mpa.gov.sg,
hazmat@mpa.gov.sg

SOUTH AFRICA

Captain Winston Lobo
Principal Officer
South African Maritime Safety Authority
Private Bag X54309
Durban
4000
South Africa

Tel: +27-31-3071501
Fax: +27-31-3064983
E-mail: wlobo@samsa.org.za

SPAIN

Mr. Pablo Pedrosa
Head of Division of Marine Pollution Control
Direccion General de la Marina Mercante
Ministerio de Fomento
C/Ruiz de Alarcon 1
Madrid
28071
Spain

Tel: +34 91 597 9098
Fax: +34 91 597 9287
E-mail: ppedrosa@fomento.es

SWEDEN

Civil Aviation and Maritime Department
Swedish Transport Agency
Norrköping
SE-601 73
Sweden

Tel: +46 771 503 503
Fax: +46 11 185 256
E-mail: sjofart@transportstyrelsen.se

SWITZERLAND

Swiss Maritime Navigation Office SMNO
Elisabethenstrasse 33
Basel
4010
Switzerland

Tel: +41 61 270 91 20
Fax: +41 61 270 91 29
E-mail: dv-ssa@eda.admin.ch

TUNISIA

Mr. Lassoued Faycal
Chef de Service des Ports
Ministère du Transport
Direction Générale de la Marine Marchande
24 avenue de la République, 1001 Tunis

Tel: +216-1-259-117
Fax: +216-1-354-244

TURKEY

C/O

Capt. Ünal BAYLAN
Head Of Department
Ministry of Transport Maritime Affairs and Communications
Directorate General for Regulation of Dangerous Goods
and Combined Transport
GMK Bulvari No:128/A Maltepe 06570
ANKARA
Turkey

Tel: +90 312 230 20 00
Fax: +90 312 231 51 89
E-mail: unal.baylan@udhb.gov.tr

UNITED KINGDOM

Mr Iain David MacRae
Engineer Surveyor
Maritime and Coastguard Agency
Environmental Policy Branch
Spring Place
105 Commercial Road
Southampton
SO15 1EG
United Kingdom

Tel: +44 20381 72445
+44 20381 71001
E-mail: david.macrae@mcga.gov.uk

UNITED REPUBLIC OF TANZANIA

C/O

Eng. Omar Chambo
Permanent Secretary
Ministry of Transport
TANCOT House
Pamba Road
P.O. BOX 9144
Dar es Salaam
United Republic of Tanzania

Tel: +255 22 2112858
Fax: +255 22 2112751
E-mail: permsec@mot.go.tz

UNITED STATES

Mr. Andrew Murphy (Alternate contact)
Commandant (CG-ENG-5)
United States Coast Guard (Alternate contact)
Bulk Liquids, Hazardous Materials Standards
Hazardous Materials Standards Division
2703 Martin Luther King Jr. Ave SE
Washington DC
20593-7509
United States

Tel: +1-202-372-1398
E-mail: andrew.j.murphy@uscg.mil

Mr. Patrick Keffler - Main contact
Bulk Liquids Team Leader
United States Coast Guard (Main contact)
Chief, Hazardous Materials Standards (CG-ENG-5)
2703 Martin Luther King Jr. Ave SE, Stop 7509
Washington DC
20593-7509
United States

Tel: +1-202-372-1424
Fax: +1-202-372-1926
E-mail: patrick.a.keffler@uscg.mil

URUGUAY

Captain Pablo PEREZ
Jefe
Departamento de Legislación y Acuerdos Internacionales
Rambla 25 de Agosto S/N
Primer Piso
Montevideo
11000
Uruguay

Tel: 0059829164914
Fax: 0059829164914
E-mail: delea_jefe@armada.mil.uy

ANNEX 9

**MANUFACTURERS AUTHORIZED TO CONDUCT POLLUTANT-ONLY
ASSESSMENTS BY CALCULATION**

Authorized by France for Chevron Oronite S.A.

Ms. Ludivine LANGEVIN
Chevron Oronite S.A.
Route du Pont 8
Gonfreville l'Orcher
76080 - Le Havre cedex

Authorized by Germany for Evonik Industries AG

Ms. Ingrid de Wilde
Procurement Strategy
Victoriastr. 43
45772 Marl

Authorized by United Kingdom for Exxon Chemicals Ltd

Dr. Andrew Holton
Exxon Chemicals Ltd
4600 Parkway
Fareham
Hampshire
PO15 7AP

Authorized by United Republic of Tanzania for Ministry of Transport

Eng. Omar Chambo
TANCOT House
Pamba Road
P.O. BOX 9144
Dar es Salaam
United Republic of Tanzania

**Authorized by United States for
The Lubrizol Corporation**

Ms. Debora Hooper
29400 Lakeland Boulevard
Wickliffe, Ohio
44092-2298

ANNEX 10

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.22
Annex 10
1 December 2016
Page 1 of 13

Name of cleaning additive	Name of manufacturer	Reporting country
AA118 SAFETY NON-CAUSTIC	VANCE CHEMICALS PTE. LTD.	SGP
AA128 MULTI-DUTY	VANCE CHEMICALS PTE. LTD.	SGP
AA138 HEAVY-DUTY	VANCE CHEMICALS PTE. LTD.	SGP
AA158 ACIDIC	VANCE CHEMICALS PTE. LTD.	SGP
AC Clean 1 JT	TriStar Industries BV	NLD
AC Clean 24	Tristar Industries BV	NLD
Accell Clean Marine	Advanced BioCatalytics Corp.	USA
Accell Clean Marine Plus	Advanced BioCatalytics Corp.	USA
ACE 4020 Multi Purpose Detergent, T-Pol	ACE Chemicals International Pte. Ltd	SGP
ACE 7012 Oil & Grease Remover	ACE Chemicals International Pte. Ltd	SGP
ACE 9005 Heavy Duty Alkaline Cleaner	ACE Chemicals International Pte. Ltd	SGP
ACE 9007 Heavy Duty Tank Cleaner A	ACE Chemicals International Pte. Ltd	SGP
ACE 9011 Heavy Duty Cleaner	ACE Chemicals International Pte. Ltd	SGP
ACE 9020 Liquid Rig Wash	ACE Chemicals International Pte. Ltd	SGP
ACE 9026 Hydrocarbon Remover	ACE Chemicals International Pte. Ltd	SGP
ACE 9027 Sodium Hypochlorite 12% Solution	ACE Chemicals International Pte. Ltd	SGP
Acquaclean MPA	Blutec srl.	ITA
Acrylate Neutralizer	Vecom Marine Alliance BV	NLD
Air-O-Gone-1	TriStar Industries BV	NLD
ALCACLEAN HD	MARICHEM MARIGASES Worldwide	GRC
ALCACTIVE LIQUID	MARICHEM MARIGASES Worldwide	GRC
ALCACTIVE LIQUID PLUS	MARICHEM MARIGASES Worldwide	GRC
Alclean	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
ALCLEAN	G&E Bridge Ltd	KOR
ALCLEAN HD	G&E Bridge Ltd	
Alclean Safe	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
ALCLEAN SAFE	G&E Bridge Ltd	KOR
Alcleaner PBC	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
ALKA MARINE SAFETY	CHEM MARINE	CHL
ALKA MARINE SHS	CHEM MARINE	CHL
ALKA MARINETUFF PHS	CHEM MARINE	CHL
Alkaclean	UNI Americas LLC	USA
ALKACLEAN	UNISERVICE S.A.	ITA
ALKACLEAN	Blutec srl.	ITA
Alkaclean HD / PC Cleaner	Unimarine International BV	NLD
ALKACLEAN P.	Blutec srl.	ITA
Alkaclean S.	Blutec srl	ITA
Alkaclean Safety	UNI Americas LLC	USA
Alkaclean Safety	Unimarine International BV	NLD
Alkaclean Safety	Vecom Marine Alliance BV	NLD
ALKACLEAN SAFETY	UNISERVICE S.A.	ITA
Alkaline (CAUS)	StarMarine Chemical BV	NLD
Alkaline (POT)	StarMarine Chemical BV	NLD
ALKALINE CLEANER PH	OCN MARINE CHEMICALS	CHL
Alkasafe Cleaner	CHEMO	GRC
Alkasolvent Liquid	CHEMO	GRC
Alkleen Buffer	Wilhelmsen Chemicals AS	NOR

*It should be noted that where products or their solutions that appear in chapter 17 or 18 of the IBC Code or list 1 of the MEPC.2/Circular are used as washing media, their discharge shall be governed by regulation 13.5.1 of MARPOL Annex II and they do not need to be listed here.

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.22
Annex 10
1 December 2016
Page 2 of 13

Name of cleaning additive	Name of manufacturer	Reporting country
Alkleen Liquid	Wilhelmsen Chemicals AS	NOR
Alkleen Safety Liquid	Wilhelmsen Chemicals AS	NOR
ALOHA SWING	New Shin Young Co., Ltd.	KOR
ALOHA SWING PLUS	New Shin Young Co., Ltd.	KOR
ALPHA BUFFER CLEAN	ALPHA MARINE SOLUTIONS	USA
ALPHA SOAP	ALPHA MARINE SOLUTIONS	USA
ALPHA SOLVE	ALPHA MARINE SOLUTIONS	USA
AMEROID RSR	DREW MARINE	USA
APEX ECO SOLVE	APEX CHEMICALS (S) PTE LTD	SGP
APEX RYDLYME MARINE	APEX CHEMICALS (S) PTE LTD	SGP
APEX SMITH 88	APEX CHEMICALS (S) PTE LTD	SGP
APEX TANK CLEAN VLC	APEX CHEMICALS (S) PTE LTD	SGP
APEX-101 ECO ACID	APEX CHEMICALS (S) PTE LTD	SGP
APEX-120 METAL BRITE HD	APEX CHEMICALS (S) PTE LTD	SGP
APEX-182 PASSIVE CLEAN	APEX CHEMICALS (S) PTE LTD	SGP
APEX-195 TANK CLEAN BUFFER	APEX CHEMICALS (S) PTE LTD	SGP
APEX-228 SANI CLEAN	APEX CHEMICALS (S) PTE LTD	SGP
APEX-280 NEUTRAL HCF	APEX CHEMICALS (S) PTE LTD	SGP
APEX-290 TANK CLEAN OSD	APEX CHEMICALS (S) PTE LTD	SGP
APEX-303 ECOCLEAN	APEX CHEMICALS (S) PTE LTD	SGP
APEX-304 CHLOR CLEAN	APEX CHEMICALS (S) PTE LTD	SGP
APEX-418 ALKACLEAN HD	APEX CHEMICALS (S) PTE LTD	SGP
APEX-418PH ALKACLEAN HD (POTASSIUM)	APEX CHEMICALS (S) PTE LTD	SGP
APEX-460 ALKACLEAN SAFETY LIQUID	APEX CHEMICALS (S) PTE LTD	SGP
APEX-480XF AQUATUFF HIGH FOAM	APEX CHEMICALS (S) PTE LTD	SGP
APEX-5 MULTI POL	APEX CHAMICALS (S) PTE LTD	SGP
APEX-550 SEACLEAN VOYAGE	APEX CHEMICALS (S) PTE LTD	SGP
Aquabreak PX	Wilhelmsen Chemicals AS	NOR
Aquamarine Aquawash T1080A	Aquamarine Chemicals	GBR
Aquamarine Caustic-Free Cleaner	Aquamarine Chemicals	GBR
Aquamarine Natural Zest T1335A	Aquamarine Chemicals	GBR
Aquamarine Neutral HCF	Aquamarine Chemicals	GBR
Aquamarine Rustremover	Aquamarine Chemicals	GBR
Aquamarine Strong Alkaline Cleaner T1108A	Aquamarine Chemicals	GBR
Aquamarine Tank Cleaner HD	Aquamarine Chemicals	GBR
AQUAQUICK 2000	AQUAQUICK EUROPE	NLD
AQUAQUICK 2000 SP	AQUAQUICK EUROPE	NLD
ATLAS 100	Atlas Chemicals, Inc	USA
ATLAS 150	Atlas Chemicals, Inc	USA
ATLAS 202	Atlas Chemicals, Inc	USA
ATLAS A-CHLOR	Atlas Chemicals, Inc	USA
ATLAS AQUA-SOLV	Atlas Chemicals, Inc	USA
ATLAS ATC	ATLAS CHEMICAL	USA
ATLAS CD-SEA	Atlas Chemicals, Inc	USA
ATLAS I-A-C	Atlas Chemicals, Inc	USA
ATLAS KRUSHER	Atlas Chemicals, Inc	USA
ATLAS MAR-CLEAN	Atlas Chemicals, Inc	USA

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.22
Annex 10
1 December 2016
Page 3 of 13

Name of cleaning additive	Name of manufacturer	Reporting country
ATLAS METAL BRIGHT	Atlas Chemicals, Inc	USA
ATLAS METAL TREAT	Atlas Chemicals, Inc	USA
ATLAS SEA CLEAN	ATLAS CHEMICAL	USA
ATLAS SUPER GREEN	Atlas Chemicals, Inc	USA
ATLAS VIRO-SOL	ATLAS CHEMICAL	USA
B.T.S. HCF Water Based	Blutec srl	ITA
Bio Degreaser 165	VECOM	NLD
Bonderite C-AD TR-1020S(DE)	Henkel Belgium N.V.	BEL
Bonderite C-IC 146	Henkel Belgium N.V.	BEL
Bonderite C-MC 12110	Henkel Belgium N.V.	BEL
Bonderite C-MC A	Henkel Adhesive Technologies	BEL
BONDERITE C-MC X VLOEIBA (formerly P3-x vloeibaar)	Henkel Belgium N.V.	BEL
Buffer	StarMarine Chemical BV	NLD
Bufferclean 5.5	Unimarine International BV	NLD
Buffersol	MARICHEM MARIGASES Worldwide	GRC
C CLEAN NEO	Diversey Co. Ltd.	JPN
C/W CLEANER	ALPHA MARINE SOLUTIONS	USA
Carbin Cleaner	Shanghai Whitecat Special Chemicals Co. Ltd.	CHN
Carechlor	Marine Care B.V.	NLD
Careclean Acrylate Neutralizer	Marine Care B.V.	NLD
Careclean AF	Marine Care BV	NLD
Careclean Alkaline	Marine Care BV	NLD
Careclean Alkaline Extra	Marine Care BV	NLD
Careclean Alkaline Safety	Marine Care BV	NLD
Careclean Aquawash (Teepol)	Marine Care BV	NLD
Careclean Buffer	Marine Care BV	NLD
Careclean Caustic Soda	Marine Care B.V.	NLD
CareClean Citric Acid	Marine Care B.V.	NLD
Careclean Coaltar	Marine Care BV	NLD
CareClean CR	Marine Care B.V.	NLD
Careclean D80	Marine Care BV	NLD
Careclean Degreaser GP	Marine Care BV	NLD
Careclean Degreaser HD	Marine Care BV	NLD
Careclean Degreaser HD Split	Marine Care BV	NLD
Careclean Energy Wash	Marine Care BV	NLD
Careclean Formula #3	Marine Care B.V.	NLD
Careclean Formula #4	Marine Care B.V.	NLD
Careclean Formula #5	Marine Care B.V.	NLD
Careclean Foro HD	Marine Care BV	NLD
Careclean GP Enviro	Marine Care BV	NLD
Careclean HCF - BG	Marine Care B.V.	NLD
Careclean Inhibitor Killer/Lead Cleaner	Marine Care BV	NLD
Careclean Latex Remover	Marine Care B.V.	NLD
Careclean LOW COD	Marine Care BV	NLD
Careclean Multiclean	Marine Care BV	NLD
Careclean Neutral HCF	Marine Care BV	NLD
Careclean Passivation Liquid	Marine Care cleaning additives	NLD

CARGO TANK CLEANING ADDITIVES

**MEPC.2/Circ.22
Annex 10
1 December 2016
Page 4 of 13**

Name of cleaning additive	Name of manufacturer	Reporting country
Careclean PL-CA	Marine Care BV	NLD
Careclean PL-Con	Marine Care cleaning additives	NLD
Careclean Potassium Hydroxide	Marine Care B.V.	NLD
Careclean Rust	Marine Care BV	NLD
Careclean SC	Marine Care B.V.	NLD
Careclean Super Degreaser	Marine Care BV	NLD
CARECLEAN TANK-BRIGHT	MARINE CARE B.V.	NLD
Careclean Voyage (Seaclean)	Marine Care BV	NLD
Careclean WAF	Marine Care B.V.	NLD
Caretank ECO	Marine Care BV	NLD
Caretank ECO Extra	Marine Care BV	NLD
Cargo Hold Cleanser	Yantai Mercury Chemical Technology Co., Ltd	CHN
Caustic Flakes	Wilhelmsen Chemicals AS	NOR
Caustic Potash	Wilhelmsen Chemicals AS	NOR
Caustic Potash DM	Drew Marine	USA
Caustic Soda DM	Drew Marine	USA
Cement Remover	MARICHEM MARIGASES Worldwide	GRC
CH-1 - High Foam Alkaline Cleaner for NLS Cargo Tanks	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
CHEMIPOL	CHEMO	GRC
CHEMTEC Solvent Degreaser	CHEMTEC Chemicals GmbH	DEU
CHEMTEC ZnHCR	CHEMTEC Chemicals GmbH	DEU
Chemtec-HCK	CHEMTEC Chemicals GmbH	DEU
CHLOR 12%	UNISERVICE S.A.	ITA
Citrisurf 3050	Stellar Solutions Inc	USA
CITRUS CLEAN	ALPHA MARINE SOLUTIONS	USA
Clean Break	UNI Americas LLC	USA
Cleanbreak	Blutec srl	ITA
Coal Tar Cleaner	Unimarine International BV	NLD
Coal Tar Remover	Vecom Marine Alliance BV	NLD
COAL TAR REMOVER	CHEMO SA	GRC
COAL TAR REMOVER	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
Coaltar Remover	WVT Industries N.V.	BEL
COLD WASH	UNISERVICE S.A.	ITA
Cold Wash C.	Blutec srl	ITA
Cold Wash HD	UNI Americas LLC	USA
COLD WASH MARINE	CHEM MARINE	CHL
Coldwash HD	Unimarine International BV	NLD
CP Alka HD	CHEMTEC Chemicals GmbH	DEU
CP AlkaSoft	CHEMTEC Chemicals GmbH	DEU
CP Chemtec Bleach	CHEMTEC Chemicals GmbH	DEU
CP Chemtec B-Solve	CHEMTEC Chemicals GmbH	DEU
CP Chemtec Citric Acid	CHEMTEC Chemicals GmbH	DEU
CP Chemtec KOH	CHEMTEC Chemicals GmbH	DEU
CP Chemtec NaOH	CHEMTEC Chemicals GmbH	DEU
CP Chemtec Nitric Acid	CHEMTEC Chemicals GmbH	DEU
CP Chemtec Sodium Carbonate	CHEMTEC Chemicals GmbH	DEU
CP Lead Clean	CP METAL CHEMICALS	NLD

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.22
Annex 10
1 December 2016
Page 5 of 13

Name of cleaning additive	Name of manufacturer	Reporting country
CP Metal HD	CHEMTEC Chemicals GmbH	DEU
CP Multipol	CHEMTEC Chemicals GmbH	DEU
CP SMR	CHEMTEC Chemicals GmbH	DEU
CR AQUA CLEANER M	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER B	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER B PLUS	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER C	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER D	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER E	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER HCF	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER LAC	CRAMOIL SINGAPORE PTE LTD	SGP
CR DEGREASER X	CRAMOIL SINGAPORE PTE LTD	SGP
CR ENVIROCLEAN	CRAMOIL SINGAPORE PTE LTD	SGP
CR LEADCLEAN	CRAMOIL SINGAPORE PTE LTD	SGP
CR SPARKLECLEAN 8.4	CRAMOIL SINGAPORE PTE LTD	SGP
CR ZINC SAFE NEUTRAL HCF	CRAMOIL SINGAPORE PTE LTD	SGP
CTC - Cleaner - VLC	Chemtec Consulting GmbH	DEU
CTU	UNISERVICE S.A.	ITA
Degreaser 156	VECOM	NLD
Descaler Liquid 555	MARICHEM MARIGASES Worldwide	GRC
DG-01 - Solvent Based Degreaser HD Split for NLS Cargo Tank Cleaning	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
DG-02 - Heavy Duty Solvent Based Degreaser for NLS Cargo Tank Cleaning	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
DG-03 - Heavy Duty Water Based Degreaser for NLS Cargo Tank Cleaning	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
DG-04 - Multi-Purpose Liquid Detergent for NLS Cargo Tank Cleaning	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
DG-05 - Environment Cleaner Degreaser	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
DG12 TANK WASH	Sepcotech	DNK
DREW ABD	Drew Marine	USA
Drew BC	Drew Marine	USA
DREW NBD	Drew Marine	USA
DYE OUT	CHEMO	GRC
Eazy Aquaclean	Eazychem Ltd	GBR
Eazy Aquaclean HD	Eazychem Ltd	GBR
Eazy Aqualac	Eazychem Ltd.	GBR
Eazy Aqualac-P	Eazychem Ltd	GBR
Eazy NBD	Eazychem Ltd.	GBR
Eazy Tankwash	Eazychem Ltd.	GBR
EC-Alkaclean HD/PC Cleaner	EFLOCHEM Chemicals Blending LLC	NLD
EC-Alkaclean Safety	EFLOCHEM Chemicals Blending LLC	NLD
EC-Bufferclean 5.5	EFLOCHEM Chemicals Blending LLC	NLD
EC-Clean Break	EFLOCHEM Chemicals Blending LLC	NLD
EC-Coal Tar Cleaner	EFLOCHEM Chemicals Blending LLC	NLD
EC-Coldwash HD	EFLOCHEM Chemicals Blending LLC	NLD
EC-Ecoclean	EFLOCHEM Chemicals Blending LLC	NLD
EC-Genepol	EFLOCHEM Chemicals Blending LLC	NLD
ECO MARINE	CHEM MARINE	CHL

CARGO TANK CLEANING ADDITIVES

Name of cleaning additive	Name of manufacturer	Reporting country
ECOBLEUE ALKALINE WATER BASED SUPER DEGREASER F	Manchem (Pty) Limited	ZAF
ECOBLEUE ALKALINE WATER BASED SUPER DEGREASER LF	Manchem (Pty) Limited	ZAF
ECOBLEUE NEUTRAL WATER BASED SUPER DEGREASER F	Manchem (Pty) Limited	ZAF
ECOBLEUE NEUTRAL WATER BASED SUPER DEGREASER LF	Manchem (Pty) Limited	ZAF
Ecoclean	Vecom Marine Alliance BV	NLD
Ecoclean	UNI Americas LLC	USA
Ecoclean	Unimarine International BV	NLD
ECOCLEAN	UNISERVICE S.A.	ITA
ECOCLEAN	Blutec srl.	ITA
ECOSOLUT 14	OTI-Greentech AG	NLD
ECOSOLUT 14 Marine (discontinued, to be deleted 1/12/2017)	OTI Greentech AG	CHE
ECOSOLUT 24	OTI Greentech AG	CHE
ECOSOLUT 24 Marine (discontinued, to be deleted 1/12/2017)	OTI Greentech AG	CHE
ECOSOLUT 50	OTI-Greentech AG	DEU
EC-Resin Remover	EFLOCHEM Chemicals Blending LLC	NLD
EC-Rust Remover	EFLOCHEM Chemicals Blending LLC	NLD
EC-Seaclean	EFLOCHEM Chemicals Blending LLC	NLD
EC-Uniclean GP	EFLOCHEM Chemicals Blending LLC	NLD
EC-Uniclean HCF Eco	EFLOCHEM Chemicals Blending LLC	NLD
EC-Uniclean Steam Cleaner	EFLOCHEM Chemicals Blending LLC	NLD
EC-Uniclean Tank/Separating	EFLOCHEM Chemicals Blending LLC	NLD
EDGE	Drew Marine	USA
Enviro Alka Kleen HD	Enviro-Tech Specialities, Inc.	USA
Enviro Alka Kleen SAF	Enviro-Tech Specialities, Inc.	USA
Enviro Buffer Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro Care 370	Drew Marine	USA
Enviro Caustic (Sodium Hydroxide)	Enviro-Tech Specialities, Inc.	USA
Enviro Chlor	Enviro-Tech Specialities, Inc.	USA
Enviro Citrol Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro Cleaner	StarMarine Chemical	NLD
Enviro HCF Tank Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro HCF Tank Kleen SAF	Enviro-Tech Specialities, Inc.	USA
Enviro Kleen HD	Enviro-Tech Specialities, Inc.	USA
Enviro KOH (Potassium Hydroxide)	Enviro-Tech Specialities, Inc.	USA
Enviro Liquid Alkaline Cleaner/LAC	Enviro-Tech Specialities, Inc.	USA
Enviro Multi Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro P/D Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro Rust Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro Sea Kleen	Enviro-Tech Specialities, Inc.	USA
Enviro Solv	Enviro-Tech Specialities, Inc.	USA
Enviro Teepol	Enviro-Tech Specialities, Inc.	USA
ENVIROCARE 330	Drew Marine	USA
ENVIROCARE 340	Drew Marine	USA
ENVIROCARE 350	Drew Marine	USA
Envirocare 480	Drew Marine	USA
ENVIROCARE 480	Drew Marine	USA
ENVIROMATE® 2000	Drew Marine	USA

CARGO TANK CLEANING ADDITIVES

**MEPC.2/Circ.22
Annex 10
1 December 2016
Page 7 of 13**

Name of cleaning additive	Name of manufacturer	Reporting country
Enviropower HD	CHEMO	GRC
ER-AC	ERTEK KIMYA TIC. VE SAN. LTD. STI	TUR
ER-AC PLUS	ERTEK KIMYA TIC. VE SAN. LTD. STI	TUR
ER-APC	ERTEK KIMYA TIC. VE SAN. LTD. STI	TUR
ER-APC AQUA	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
ER-APC EXTRA 200	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
ER-APC EXTRA 50	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
ERCLEAN BUFFER	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
ERCLEAN CTC	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
ERCLEAN IGS	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
ER-CLEAN SAFETY	ERTEK KIMYA TIC. VE SAN. LTD. STI	TUR
ERCLEAN-HCF	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
ER-HDC	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
ER-OGR	ERTEK KIMYA TIC. VE SAN. LTD. STI	TUR
ER-TEEPOL	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
FALCHEM AQUASOLVE	Enerchem (s) Pte Ltd	SGP
FALCHEM Bleach Substitute	Enerchem (S) Pte. Ltd	SGP
FALCHEM Buffer Clean, Tank Cleaner	Enerchem (S) Pte. Ltd	SGP
FALCHEM CITRUS KLEEN	Enerchem (s) Pte Ltd	SGP
FALCHEM Enerpol, Multi Purpose Detergent	Enerchem (S) Pte. Ltd	SGP
FALCHEM ENVIROCLEAN	Enerchem (s) Pte Ltd	SGP
FALCHEM NEUTRAL CLEANER	Enerchem (s) Pte Ltd	SGP
FALCHEM SOLVATE OIL AND GREASE EMULSION	Enerchem (s) Pte Ltd	SGP
FALCHEM TANKLEEN	Enerchem (s) Pte Ltd	SGP
FOAM PLUS	MARICHEM MARIGASES Worldwide	GRC
Fresh Force Kleen	CHEMO	GRC
Genepol	Unimarine International BV	NLD
Genepol	UNI Americas LLC	USA
Genepol	Blutec srl	ITA
GENEPOL	UNISERVICE S.A.	ITA
General Cleaning & Solvent	MARICHEM MARIGASES Worldwide	GRC
GP Degreaser	VECOM	NLD
GP Enviro	VECOM	NLD
Grato 1 Marine	Henkel Belgium N.V.	BEL
Grato 14 marine	Henkel Belgium N.V.	BEL
Grato 14 marine (US)	Henkel Belgium N.V.	BEL
Grato 50 marine	Henkel Belgium N.V.	BEL
Grato 50 marine (US)	Henkel Belgium N.V.	BEL
Green Care HC	Marine Care cleaning additives	NLD
Green Enviro	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
GreenCare CR	Marine Care	NLD
GreenCare Rust Remover	Marine Care	NLD
GreenCare Synergy	Marine Care cleaning additives	NLD
GREM COLD WASH	KALON S.A. SMYTH MORRIS	ESP
HAIZEN S-100	KAO CORP.	JPN
HD ALKALINE	ALPHA MARINE SOLUTIONS	USA
HD Tank Cleaner	WVT Industries N. V.	BEL

CARGO TANK CLEANING ADDITIVES

**MEPC.2/Circ.22
Annex 10
1 December 2016
Page 8 of 13**

Name of cleaning additive	Name of manufacturer	Reporting country
Hexaclean 3126 Alkaline Cleaner	A.I.M. Chemical Industries Pte Ltd	SGP
Hexaclean 3221 MP Detergent	A.I.M. Chemical Industries Pte Ltd	SGP
Hexaclean 3235 Water-Based Rigclean	A.I.M. Chemical Industries Pte Ltd	SGP
Hexaclean 3414 Heavy Duty Degreaser	A.I.M. Chemical Industries Pte Ltd	SGP
HOLDBRITE	CHEMO SA	GRC
HOLDBRITE XF	CHEMO SA	GRC
Hydrocarbon Remover	UNI Americas LLC	USA
HYDROCARBON X	ALPHA MARINE SOLUTIONS	USA
IGS CLEANER	CHEMO	GRC
Ion and Alkali Cleaning Agent of Jpal	Jpec Co. Ltd	JPN
Ipochlor-Inhibitor Killer	Star Marine Chemicals BV	NLD
KdB Teepol	Marine Care	NLD
KdB Totaal Ontvetter	Marine Care	NLD
KT-Alka	CHEMTEC Chemicals GmbH	DEU
KT-AlkaPure	CHEMTEC Chemicals GmbH	DEU
KT-AlkaSafe	CHEMTEC Chemicals GmbH	DEU
KT-Citric	CHEMTEC Chemicals GmbH	DEU
KT-Degreaser	CHEMTEC Chemicals GmbH	DEU
KT-HCF	CHEMTEC Chemicals GmbH	DEU
KT-Metal	CHEMTEC Chemicals GmbH	DEU
KT-MetalBright	CHEMTEC Chemicals GmbH	DEU
KT-Neutral BG	CHEMTEC Chemicals GmbH	DEU
KT-PLUS	Chemtec Consulting GmbH	DEU
KT-Plus BG	CHEMTEC Chemicals GmbH	DEU
KT-Pure	CHEMTEC Chemicals GmbH	DEU
KT-SeaClean	CHEMTEC Chemicals GmbH	DEU
KT-Solve	Chemtec Consulting GmbH	DEU
KT-Teepol	CHEMTEC Chemicals GmbH	DEU
LAC	Drew Marine	USA
Latex Remover	VECOM	NLD
Lime Cleaner	MARICHEM MARIGASES Worldwide	GRC
LIME OUT	CHEMO SA	GRC
Liquid 35 NF	TriStar Industries BV	NLD
Liquid soap	Star Marine	NLD
MAC Alkid	MASTEC Co. Ltd	JPN
MAC Dual Clean	MASTEC Co. Ltd	JPN
MAC HC-10	MASTEC Co. Ltd	JPN
MAC HD	MASTEC Co. Ltd	JPN
MAC Prime	MASTEC Co. Ltd	JPN
MAC Safety Alkid	MASTEC Co. Ltd	JPN
MAC Susbright	MASTEC Co. Ltd	JPN
MAC-100	MASTEC Co. Ltd	JPN
Marclean AC	A Clean Partner Int. AB	SWE
Marclean AC+	A Clean Partner Int. AB	SWE
MarClean BioSolve Tank CC	The BioSolve Company	USA
Marclean CO - 1	Teco Chemicals AS	NOR
Marclean ECO	TECO Maritime Far East Pte Ltd	SGP

CARGO TANK CLEANING ADDITIVES

Name of cleaning additive	Name of manufacturer	Reporting country
Marclean GREEN	TECO Maritime Far East Pte Ltd	SGP
Marclean H60	Teco Chemicals AS	NOR
Marclean H60+	A Clean Partner Int. AB	SWE
Marclean HC	TECO Chemicals AS	NOR
Marclean HCR	A Clean Partner Int. AB	SWE
Marclean MB (Metal Bright)	Teco Chemicals AS	NOR
Marclean MB40	A Clean Partner Int. AB	SWE
Marclean SC	Teco Chemicals AS	NOR
Marclean Soap	A Clean Partner Int. AB	SWE
Marclean Solve	A Clean Partner Int. AB	SWE
MarClean XP	A Clean Partner International AB	SWE
MARICHEM PCS	MARICHEM MARIGASES Worldwide	GRC
MARICHEM TTC	MARICHEM MARIGASES Worldwide	GRC
MARICLEAN - POL	MARICHEM MARIGASES Worldwide	GRC
MARICLEAN DG-25	Marichem Marigases Worldwide Services	GRC
MARICLEAN PCS	Marichem Marigases Worldwide Services	GRC
MARISOL	UNISERVICE S.A.	ITA
MARISOL GD	A Clean Partner	SWE
MARISOL HD	A Clean Partner	SWE
MARISOL LC	A Clean Partner	SWE
MARISOL NC	A Clean Partner	SWE
MARISOL RW	A Clean Partner	SWE
MARISOL TC	A Clean Partner	SWE
MARISOL VT - PLUS	A Clean Partner	SWE
Masava Tank Cleaner	Masava Kemi ApS	DNK
Metal Brite HD	Wilhelmsen Chemicals AS	NOR
Metal Deruster	StarMarine Chemical BV	NLD
MITE	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
Multi Cleaner	VECOM	NLD
Multicleaner	StarMarine Chemical BV	NLD
MULTICLEANER	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
NA marine	Henkel Belgium N.V.	BEL
Nalfleet Sea Shield 79105 ALKALINE CLEANER	Nalco, Ltd.	GBR
Nalfleet Sea Shield 79112 METAL BRIGHTENER	Nalco, Ltd.	GBR
Nalfleet Sea Shield 79118 DETERGENT CLEANER	Nalco, Ltd.	GBR
Natural	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
Natural HCF	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
NAVACLEAN 801 - ALKATUFF	NAVADAN APS	DNK
NAVACLEAN 803 - ALKATUFF PHS	NAVADAN APS	DNK
NAVACLEAN 809 - TEEPOL PLUS	NAVADAN APS	DNK
NAVACLEAN 814 - DYESTUFF REMOVER	NAVADAN APS	DNK
NAVACLEAN 818 - COLDWASH	NAVADAN APS	DNK
NAVACLEAN 823 - BUFFERCLEANER 55	NAVADAN APS	DNK
NAVACLEAN 823 (CON) BUFFER CLEANER 55	NAVADAN APS	DNK
NAVACLEAN 842 - ALKASAFE	NAVADAN APS	DNK
NAVACLEAN 848 - NEUTRAL CLEANING CONCENTRATE	NAVADAN APS	DNK
NAVACLEAN 850 - WATERBASED NEUTRAL HCF	NAVADAN APS	DNK

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.22
Annex 10
1 December 2016
Page 10 of 13

Name of cleaning additive	Name of manufacturer	Reporting country
NAVACLEAN 855 - HYDROCARBON REMOVER	NAVADAN APS	DNK
NAVACLEAN 856 - ECOCLEAN	NAVADAN APS	DNK
NAVACLEAN 860 - SEACLEAN GP	NAVADAN APS	DNK
NAVACLEAN 873 - RUST & STAIN REMOVER	NAVADAN APS	DNK
NAVACLEAN 888 - SEACLEAN	NAVADAN APS	DNK
NAVACLEAN 897 - IGS CLEANER	NAVADAN APS	DNK
NAVACLEAN 897 (CON) - IGS CLEANER	NAVADAN APS	DNK
NAVAFLOR 812	NAVADAN APS	DNK
NEUTRAL CLEANER	MARICHEM MARIGASES Worldwide	GRC
Neutral HCF	Star marine Chemicals B.V.	NLD
NEUTRAL HCF CLEANER	CHEMO SA	GRC
NEUTRAL MARINE HCF	CHEM MARINE	CHL
NOHYCAS (hydro carbon cleaner)	For Frame	NLD
Novaclean 300 marine	Henkel Belgium N.V.	BEL
Novaclean 400 marine	Henkel Belgium N.V.	BEL
Novoclean 200 marine	Henkel Belgium N.V.	BEL
OCN - 01 Alkaline Cleaner	OCN Marine Chemicals	CHL
OCN - 02 Alkaline Safety	OCN Marine Chemicals	CHL
OCN - 03 Eco-Cleaner	OCN Marine Chemicals	CHL
OCN - 04 Maxpol	OCN Marine Chemicals	CHL
OCN - 05 Sea Clean (Tank Cleaner)	OCN Marine Chemicals	CHL
Oil & Sludge Remover	CHEMO	GRC
OIL AND GREASE REMOVER	Marichem Marigases Worldwide Services	GRC
OIL AND GREASE REMOVER HD 999	MARICHEM MARIGASES Worldwide	GRC
Oil Spill Dispersant Type 1	VECOM	NLD
P3 - GRATOSOL	CP METAL CHEMICALS	NLD
P3 grato 14BNL	Henkel Belgium N.V.	BEL
Product Formula 3	Drew Marine	USA
Product Formula 4	Drew Marine	USA
Product Formula 5	Drew Marine	USA
Quick Split Cleaner	Vecom Marine Alliance BV	NLD
Ready	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
Redox Heavy Duty Cleaner	REDOX CHEMICAL PTE LTD	SGP
Redox Heavy Duty Tank Cleaner	REDOX CHEMICAL PTE LTD	SGP
Redox Metal Brightener	REDOX CHEMICAL PTE LTD	SGP
Redox Multi-Purpose Cleaner	REDOX CHEMICAL PTE LTD	SGP
Redox Oil Spill Dispersant & Tank Cleaning Additive	REDOX CHEMICAL PTE LTD	SGP
Redox Twiinstarr	REDOX CHEMICAL PTE LTD	SGP
Redox Water-Based Hydro-Carbon Free (HCF) Cleaner	REDOX CHEMICAL PTE LTD	SGP
Rem-25	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
Resin Stripper	VECOM	NLD
ROX@CARE AC80SL ALKALI TANK & PIPE CLEANER	CALLINGTON HAVEN PTY LTD	AUS
ROX@CARE MC2600 TANK CLEANER	CALLINGTON HAVEN PTY LTD	AUS
RUST CLEAN	Blutec srl.	ITA
Rust Off	UNI Americas LLC	USA
Rust Remover	Vecom Marine Alliance BV	NLD
RUST REMOVER	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR

CARGO TANK CLEANING ADDITIVES

MEPC.2/Circ.22
Annex 10
1 December 2016
Page 11 of 13

Name of cleaning additive	Name of manufacturer	Reporting country
SAFETY ALKALINE	ALPHA MARINE SOLUTIONS	USA
SAFETY DEGREASER	ALPHA MARINE SOLUTIONS	USA
SC-1000	Infinity Enterprises, Inc	JPN
Sea Clean Plus	Wilhelmsen Chemicals AS	NOR
Seaclean	UNI Americas LLC	USA
Seaclean	Unimarine International BV	NLD
SEACLEAN	UNISERVICE S.A.	ITA
SEACLEAN T	Blutec srl.	ITA
Seaclean Voyage	VECOM	NLD
SHIP 101 SEACLEAN	Shipdan Aps	DNK
SHIP 102 ALKALINE PHS	Shipdan Aps	DNK
SHIP 103 ALKALINE	Shipdan Aps	DNK
SHIP 105 HYDROCARBON REMOVER	Shipdan Aps	DNK
SHIP 106 TEEPOL	Shipdan Aps	DNK
SHIP 107 NEUTRAL CLEANING	Shipdan Aps	DNK
SHIP 108 SOOT REMOVER	Shipdan Aps	DNK
SHIP 109 SOLVENT	Shipdan Aps	DNK
SHIP 110 ALKALINE SAFETY	Shipdan Aps	DNK
SHIP 111 WATERBASED NEUTRAL HCF	Shipdan Aps	DNK
SHIP 114 BUFFER	Shipdan Aps	DNK
SM-80	KALON S.A. SMYTH MORRIS	ESP
Sodium Hypochlorite	Wilhelmsen Chemicals AS	NOR
Sodium Hypochlorite 12.5% DM	Drew Marine	USA
SOLBREAK	MARICHEM MARIGASES Worldwide	GRC
Solvent Cleaner	Star Marine Chemicals BV	NLD
SPILL DISPERSANT MARINE	CHEM MARINE	CHL
Starmarine Caus	Star Marine Chemicals BV	NLD
StarMarine Concentrate	Star Marine Chemicals BV	NLD
Starmarine G-EB	Star Marine Chemicals BV	NLD
StarMarine Special	Star Marine Chemicals BV	NLD
Steam Cleaner 155	WVT Industries N. V.	BEL
Steamclean Extra	VECOM	NLD
Steamer 130 HD	TriStar Industries BV	NLD
Steamer 140 HD	Tristar Industries BV	NLD
STSC CPPCLEAN	Eazychem Ltd	GBR
STSC DPPCLEAN	Eazychem Ltd	GBR
STSC DPPCLEAN ECO	Eazychem Ltd	GBR
STSC VEGCLEAN	Eazychem Ltd	GBR
Super Cleaner Y-SP 2	TriStar Industries BV	NLD
SUPER DEGREASER	CP METAL CHEMICALS	NLD
Super Red	CHEMO	GRC
Super Red Plus	CHEMO	GRC
SUPER TEEPOL	Diversey Co. Ltd.	JPN
T 1166 marine	Henkel Belgium N.V.	BEL
T 1166 marine (US)	Henkel Belgium N.V.	BEL
Tank & Bilge Cleaner	CHEMO	GRC
Tank Clean Alkaline	Vecom Marine Alliance BV	NLD

CARGO TANK CLEANING ADDITIVES

**MEPC.2/Circ.22
Annex 10
1 December 2016
Page 12 of 13**

Name of cleaning additive	Name of manufacturer	Reporting country
Tank Clean Alkaline Extra	Vecom Marine Alliance BV	NLD
Tank Clean Buffer	Vecom Marine Alliance BV	NLD
Tank Clean Enviro (COD)	Vecom Marine Alliance BV	NLD
TANK CLEAN MARINE	CHEM MARINE	CHL
TANK CLEANER	ERTEK KIMYA TIC. VE SAN. LTD. STI	TUR
Tank Cleaner A	Marichem Marigases Worldwide Services	GRC
TANK CLEANER EXTRA	ERTEK KIMYA TIC. VE SAN. LTD. STI	TUR
TANK CLEANER S	MARICHEM MARIGASES Worldwide	GRC
Tank Cleaning Cat	WVT Industries N. V.	BEL
Tank Shine	AYT Endustriyel Kimya Sansayi Ltd. STI	TUR
Tank Super Cleaner	CHEMO	GRC
Tankclean HCF	VECOM	NLD
Tankclean HCF Eco	Vecom Marine Alliance B.V.	NLD
Tankclean HD Split	Vecom Marine Alliance BV	NLD
Tankclean Neutral	Vecom Marine Alliance BV	NLD
TankCleaner	Star Marine Chemicals BV	NLD
TANKCLEANER 9M	UNI Americas LLC	USA
TANKCLEANER P75	UNI Americas LLC	USA
Tankleen Advance	Wilhelmsen Chemicals AS	NOR
Tankleen Bright	Wilhelmsen Chemicals AS	NOR
TANKLEEN SWIFT	Wilhelmsen Chemicals AS	NOR
TANKLEEN TAR	Wilhelmsen Chemicals AS	NOR
TANKSHINE	CHEMO	GRC
TC-01 - Heavy Duty Alkaline Tank Cleaner	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-02 - Non-Caustic Alkaline Tank Cleaner	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-03 - Non-Toxic, Water-Based Safety Alkaline Cleaner	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-04 - Heavy Duty Concentrated Tank Cleaner	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-05 - Solvent Based Tank Cleaner	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-06 - Heavy Duty Water Based Hydrocarbon Free	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-07 - Water-Based Neutral Tank Cleaning Detergent	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-10 - Rust and Oxidation Remover for NLS Cargo Tank cleaning	ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI	TUR
TC-ALK	CEMKIMSAN KIMYA SAN.TIC.LTD.STI	TUR
TC-HD	G&E Bridge Ltd	KOR
TC-NEUTRAL	G&E Bridge Ltd	KOR
TC-PCT	G&E Bridge Ltd	KOR
TCS-3	New Shin Young Co., Ltd.	KOR
TCS-3 PLUS	New Shin Young Co., Ltd.	KOR
TCS-3T	New Shin Young Co., Ltd.	KOR
TCS-5	New Shin Young Co., Ltd.	KOR
TC-SOL	CEMKIMSAN KIMYA SAN. TIC.LTD.STI	TUR
TCS-PARA	New Shin Young Co., Ltd.	KOR
TCS-RSR	New Shin Young Co., Ltd.	KOR
TCS-SCMR	New Shin Young Co., Ltd.	KOR
TC-WAT	CEMKIMSAN KIMYA SAN. TIC.LTD.STI	TUR
Teco Caustic	Teco Chemicals AS	NOR
TECO CHLOR	Teco Chemicals AS	NOR
Teco Potassium (Potassium Hydroxide)	Teco Chemicals AS	NOR

CARGO TANK CLEANING ADDITIVES

Name of cleaning additive	Name of manufacturer	Reporting country
Teepol	Star Marine	NLD
TEEPOL EIGHT	Diversey Co. Ltd.	JPN
TEEPOL MARINE	CHEM MARINE	CHL
TRIOALK-212	TIRIO KIMYA SAN. Ve. TIC. LTD. STI	TUR
TRIOALK-212/EXTRA	TIRIO KIMYA SAN. Ve. TIC. LTD. STI	TUR
TRIOBREAK-196	TIRIO KIMYA SAN. Ve. TIC. LTD. STI	TUR
TRIOTANK	TIRIO KIMYA SAN. Ve. TIC. LTD. STI	TUR
TRIOTANK/R	TIRIO KIMYA SAN. Ve. TIC. LTD. STI	TUR
ULTRA CLEAN	ALPHA MARINE SOLUTIONS	USA
UNI PARACLEAN	UNI Americas LLC	USA
Uniclean Break	Unimarine International BV	NLD
UNICLEAN DRASTIC	UNISERVICE S.A.	ITA
Uniclean Eco	Unimarine International BV – Eflochem	NLD
UNICLEAN GP	UNISERVICE S.A.	ITA
Uniclean GP Extra	Unimarine International BV	NLD
Uniclean HCF Eco	Unimarine International BV	NLD
Uniclean HD	VECOM	NLD
Uniclean HD	UNI Americas LLC	USA
Uniclean IG	UNI Americas LLC	USA
Uniclean Resin Remover	Unimarine International BV	NLD
Uniclean Rust Remover	Unimarine International BV	NLD
Uniclean Steam Cleaner	Unimarine International BV	NLD
Uniclean Tank / Separating	Unimarine International BV	NLD
Unipol	Wilhelmsen Chemicals AS	NOR
UNITEDCHEM-ALC	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-ALC/PLUS	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-AQUA	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-CONCENTRATE	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-CTR	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-HCF	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-MPD	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-RUST	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-SAFE	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-SAFE/PLUS	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-TANK	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
UNITEDCHEM-TANK/PLUS	TIRIO KIMYA SAN.TIC.LTD.STI	TUR
Veclean Blue	VECOM	NLD
Veclean Eco Acid	VECOM	NLD
Veclean Eco Alkaline	VECOM	NLD
Veclean General Purpose HD	Vecom Marine Alliance BV	NLD
WATERBASED NEUTRAL HCF	UNISERVICE S.A.	ITA
WB Neutral HCF	UNI Americas LLC	USA
Zinc Coat Conditioner	Wilhelmsen Chemicals AS	NOR

ANNEX 11

Bio-fuels recognized under the 2011 Guidelines for the carriage of blends of petroleum oil and bio-fuels

The following have been agreed as recognized bio-fuels in accordance with the 2011 Guidelines for the carriage of blends of petroleum oil and bio-fuels (MEPC.1/Circ.761/Rev.1):

- .1 Alkanes (C4-C12) linear, branched and cyclic*
- .2 Alkanes (C5-C7), linear and branched
- .3 Alkanes (C9-C24) linear, branched and cyclic with a flashpoint $\leq 60^{\circ}\text{C}$ *
- .4 Alkanes (C9-C24) linear, branched and cyclic with a flashpoint $> 60^{\circ}\text{C}$ *
- .5 Alkanes (C10-C17), linear and branched*
- .6 Alkanes (C10-C26), linear and branched with a flashpoint $> 60^{\circ}\text{C}$
- .7 Alkanes (C10-C26), linear and branched with a flashpoint $\leq 60^{\circ}\text{C}$
- .8 Ethyl alcohol
- .9 Fatty Acid Methyl Esters (FAME)†
- .10 Tert-Amyl ethyl ether*
- .11 Vegetable oils

* With regard to the shipment of blends of petroleum oil and any of these products under MARPOL Annex II controls, it is necessary to initiate or refer to tripartite agreements for such blends indicating the carriage requirements as appropriate.

† This entry is intended to include any specific FAMEs set out in chapter 17 of the IBC Code or the MEPC.2/Circular