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MEPC.2/Circ.21
1 December 2015

**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;
- 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 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.20):

- .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 the previous circular.

3.3 Any amendments made to the product lists (annexes 1 to 5) since the previous issue of the circular 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 for which no requests for assessment were received.

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 transferred to 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 *Revised guidelines for the provisional assessment of liquid substances 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.

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

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	BEL	ATG, BHS, DNK, FRA, DEU, MLT, MHL, NLD, NOR, PAN, SGP, TUR, GBR	25/02/15	31/12/18	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AC	No	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, 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	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.14, 15.17, 15.19.6

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

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
Alkyl (C10-C15, C12 rich) phenol poly (4-12) ethoxylate	SGP	CHN, HKG, MYS, PAN, PHL, THA	29/07/14	31/12/17	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
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	T3	IIA	Yes	C	FT	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	ZAF	CYM, LBR, MHL, NOR, PAN, SGP, USA	05/10/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	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

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	
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
Fish silage	NOR	DNK, FIN	13/09/13	31/12/16	Z		NA											
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
Fresh grinded fish by-products	NOR	DNK, FIN	13/09/13	31/12/16	Z		NA											
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)	USA	DZA, AUS, BHS, BEL, BRA, CAN, CYM, CHN, ECU, EGY, FRA, DEU, GRC, HKG, IND, IDN, ITA, JPN, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, SGP, ZAF, ESP, THA, TUR, ARE, GBR, VEN, VNM	04/11/15	31/12/18	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 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
Parachlorobenzotrifluoride	USA	CAN, CYM, CHN, HKG, ITA, LBR, MHL, NOR, PAN, PHL, GBR	02/08/12	31/12/15	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	F	ABC	No	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
(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
Salt of polyamino carboxylic acid (70% or less) in KCL Brine Solution (4% or less)	GBR	DNK, NLD, NOR	07/03/12	31/12/15	Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
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

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

*If this entry for Used cooking oil is used, then confirmation that the product is composed of Triglycerides, C16-C18 and C18 unsaturated shall be required. Otherwise, the more generic entry for Used cooking oil must be used.

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 Ltd.
EC6660A	7	Diethylenetriamine pentamethylene phosphonic acid, pentasodium salt solution	GBR	03/10/14	Y	3		Nalco Champion Ltd.
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

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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- & cyclo-Alkanes (C12+)	BEL	16/04/12	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
Exxsol D 140	9	Iso- and cycloalkanes (C12+)	BEL	01/09/06	Z	3		ExxonMobil

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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.
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		Champion Technologies
Gypton SD250	9	Potassium carbonate solution	NOR	12/11/12	Z	3		Champion Technologies
Gypton SD250 in KCl solution	9	Potassium carbonate solution	NOR	21/11/12	Z	3		Champion Technologies
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
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

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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
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

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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-PROPYLOL	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)
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
LIAV 75	6	Hexane (all isomers)	FIN	08/05/08	Y	2		Neste
LIAV 110	4	Heptane (all isomers)	FIN	08/05/08	X	2		Neste
LIAV 200	8	Iso- and cyclo-alkanes (C10-C11)	FIN	08/05/08	Y	3		Neste
LIAV 230	7	Iso- and cyclo-alkanes (C10-C11)	FIN	08/05/08	Y	3		Neste
LIAV 250	7	Iso- and cyclo-alkanes (C10-C11)	FIN	08/05/08	Y	3		Neste
LIAV 270	7	Iso- and cyclo-alkanes (C12+)	FIN	08/05/08	Y	3		Neste
LIAV 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
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

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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
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

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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
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

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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
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
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

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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
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 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
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

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Tradename	n.o.s	Contains	Rep	Receive Date	Cat	ST	Remark	Company
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

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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
Amine DCT	Triethylenetetramine/2-piperazine-1-ylethylamine 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

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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

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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
B146363	Calcium alkaryl sulphonate (C11-C50); Zinc alkyl dithiophosphate (C3-C14) and Mineral oil	USA	CYM, FRA, HKG, LBR, MHL, NGA, NOR, PAN, SGP, 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
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
C5 Raffinate	1,3-cyclopentadiene dimer (molten) and isoprene	BRA	CYM, LBR, NOR, SGP, USA	15/02/12	31/12/15	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC	No	15.12, 15.13, 15.14, 15.17, 15.19.6, 16.6.2, 16.6.3	BRASKEM S.A
CA 354	Alkyl(C18-C28)toluene sulfonic acid, calcium salts, high overbase and mineral oil	SGP	CHN, HKG, MYS, PAN, PHL, THA	29/07/14	31/12/17	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.12, 15.19.6, 16.2.6	Chevron Oronite Company

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Trade Name	Contains	Rep Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	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
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

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Crokvitol	Palm kernel oil	NLD	ARG, AUS, BEL, BRA, CAN, CYM, CHL, CHN, CYP, DNK, ECU, EGY, EST, FIN, FRA, DEU, GRC, HKG, ISL, IND, IDN, IRL, ITA, JPN, LBR, MYS, MLT, MHL, MEX, NZL, NGA, NOR, PAN, PHL, POL, PRT, KOR, SGP, ZAF, ESP, SWE, TUN, TUR, ARE, GBR, USA, URY, VUT	13/04/15	31/12/18	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	IOI Loders Croklaan
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
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
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
E6004A	Naphthalene (molten)	GBR	NLD, NOR, USA	26/02/15	31/12/18	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC		15.12, 15.17, 15.19.6	Nalco Champion Ltd.
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

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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 Limited
EC1602A	Benzyl-(C12-C16 linear alkyl)-dimethyl-ammonium chloride	GBR	NOR	20/06/12	31/12/15	Y	S/P	3	2G	Cont	Inert	T2	IIB	No	C	F	AB	No	15.12.3, 15.12.4, 15.19.6	Nalco Ltd
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 Ltd
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
EC9356A	Hexahydro-1,3,5-Trimethyl-S-Triazine	GBR	AUS, NOR	20/08/13	31/12/16	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	A	Yes	15.12, 15.17, 15.19	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 Ltd
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	Champion Technology
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

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Exoleo	Shea butter;	NLD	ARG, AUS, BEL, BRA, CAN, CYM, CHL, CHN, CYP, DNK, ECU, EGY, EST, FIN, FRA, DEU, GRC, HKG, ISL, IND, IDN, IRL, ITA, JPN, LBR, MYS, MLT, MHL, MEX, NZL, NGA, NOR, PAN, PHL, POL, PRT, KOR, SGP, ZAF, ESP, SWE, TUN, TUR, ARE, GBR, USA, URY, VUT	06/07/15	31/12/18	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9	IOI Loders Croklaan
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

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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, 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
Glystantin® G40®	Ethylene glycol;	DEU	BHS, BEL, CYM, CHL, CYP, DNK, EGY, FRA, GRC, HKG, ITA, LBR, MYS, MLT, MHL, MAR, NLD, NOR, PAN, PHL, PRT, SGP, ZAF, ESP, SWE, TUR, GBR	07/05/15	31/12/18	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19.6, 16.2.6	BASF SE
Gypton SA1360	Hydrochloric acid	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No		Champion Technologies
Gypton SA1650	Ethylene glycol	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Champion Technologies
Gypton SA1660	Ethylene glycol	NOR	All countries		None	Z	S/P	3	2G	Open	No			Yes	O	No	AC	No		Champion Technologies

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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	Champion Technologies
Gypton SA3050	Ethylene glycol	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Champion Technologies
Gypton SA3070	Ethylene glycol	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	--	Champion Technologies
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	Champion Technologies
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	Champion Technologies
Gypton 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		Champion Technologies
Gypton SA3190	Ethylene glycol monoalkyl ethers	NOR	All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Champion Technologies
Gypton SA4074	Ethanolamine	NOR	NLD, GBR	03/01/14	31/12/17	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No		Champion Technologies
Gypton 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	Champion Technologies
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
HCL (1-25%) with Inhibitor	Hydrochloric acid	NOR	GBR, NLD	19/08/13	31/12/16	X	S/P	3	2G	Cont	No	-	-	NF	C	T	No	Yes	15.11, 15.12.3, 15.12.4, 15.17, 15.19, 16.2.6, 16.2.9	Halliburton AS
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 9345S	Zinc alkyl dithiophosphate (C3-C14), Calcium Alkaryl Sulfonate (C11-C50), and Mineral Oil	USA	BEL, BGR, CYP, FRA, GBR, LBR, MHL, MLT, NLD, NOR, PAN, SGP, TUR	22/04/13	31/12/16	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Afton Chemical Corporation
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

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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
Hybor H	Potassium Chloride Solution, Sodium Bromide Solution or Sodium Chloride Solution (drilling brines)	NOR GBR, NLD	19/08/13	31/12/16	Y	S/P	3	2G	Open	No	-	-	NF	R	No	No	No	15.19.6, 26.2.9	Halliburton AS
Hybor H only Containing Sodium Bromide	Sodium Bromide	NOR GBR, NLD	31/10/13	31/12/16	Y	S/P	3	2G	Cont	No	-	-	NF	C	No	No	No	15.19.6, 16.2.9	Halliburton
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

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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
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)toluenesulfonic acid, calcium salts, low overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil	FRA	BEL, BHS, CYM, DEU, DZA, GBR, HKG, JPN, LBR, MLT, NLD, NOR, PHL, SGP, TUR, USA	18/01/13	31/12/16	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 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

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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
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

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Lubrizol 20017	Alkenyl (C11+) amide, Calcium alkaryl sulphonate (C11-C50), and Mineral Oil	USA	ARE, ARG, AUS, AZE, BEL, BGR, BHS, BRA, CAN, CHE, CHN, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, HND, IND, IRL, ITA, JOR, JPN, KOR, LBR, MAR, MEX, MHL, MLT, MNE, MYS, NLD, NOR, OMN, PAN, PER, PHL, POL, SGP, SLE, SWE, URY, VUT, ZAF	24/06/13	31/12/16	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol CV2301	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 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 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

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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
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, 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

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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

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Lubrizol MD9C01X	Calcium alkaryl sulphonate (C11-C50), and Calcium long chain alkyl phenate sulphide (C8-C40)	USA	ARE, ARG, AUS, AZE, BEL, BGR, BHS, BRA, CAN, CHE, CHN, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, HND, IND, IRL, ITA, JOR, JPN, KOR, LBR, MAR, MEX, MHL, MLT, MNE, MYS, NLD, NOR, OMN, PAN, PER, PHL, POL, SGP, SLE, SWE, URY, VUT, ZAF	26/07/13	31/12/16	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 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

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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
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

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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 PV3400X	Mineral Oil, Calcium long chain alkaryl sulphonate (C11-C50) and Polyolefin amide alkeneamine (C17+)	USA	ARE, ARG, AUS, AZE, BEL, BGR, BHS, BRA, CAN, CHE, CHN, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, HND, IND, IRL, ITA, JOR, JPN, KOR, LBR, MAR, MEX, MHL, MLT, MNE, MYS, NLD, NOR, OMN, PAN, PER, PHL, POL, SGP, SLE, SWE, URY, VUT, ZAF	22/02/13	31/12/16	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol

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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	Mineral Oil, Calcium long chain alkaryl sulphonate (C11-C50) and Polyolefin amide alkeneamine (C17+)	USA	ARE, ARG, AUS, AZE, BEL, BGR, BHS, BRA, CAN, CHE, CHN, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, HND, IND, IRL, ITA, JOR, JPN, KOR, LBR, MAR, MEX, MHL, MLT, MNE, MYS, NLD, NOR, OMN, PAN, PER, PHL, POL, SGP, SLE, SWE, URY, VUT, ZAF	22/02/13	31/12/16	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol

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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 PV6501X	Mineral Oil, Calcium long chain alkaryl sulphonate (C11-C50) and Polyolefin amide alkeneamine (C17+)	USA	ARE, ARG, AUS, AZE, BEL, BGR, BHS, BRA, CAN, CHE, CHN, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, HND, IND, IRL, ITA, JOR, JPN, KOR, LBR, MAR, MEX, MHL, MLT, MNE, MYS, NLD, NOR, OMN, PAN, PER, PHL, POL, SGP, SLE, SWE, URY, VUT, ZAF	22/02/13	31/12/16	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Lubrizol
Lubrizol PV7053	Calcium alkaryl sulphonate (C11-C50), Alkenyl (C11+) amide and mineral oil	USA	ARG, 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

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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 SLF6006	Calcium long chain alkyl phenate sulphide (C8-C40), and Calcium alkaryl sulphonate (C11-C50)	USA	ARG, AUS, AZE, BHS, BEL, BRA, BGR, CAN, CYM, CHN, CYP, DNK, ECU, EGY, EST, FIN, FRA, DEU, GRC, HND, HKG, IND, IDN, IRL, ITA, JPN, JOR, LBR, MYS, MLT, MHL, MEX, MNE, MAR, NLD, NOR, OMN, PAN, PER, PHL, POL, KOR, SLE, SGP, ZAF, ESP, SWE, CHE, ARE, GBR, URY, VUT	03/06/13	31/12/16	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
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		-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9	Lubrizol
MEG with up to 1.9% NaOH	Sodium hydroxide solution;	NOR	NLD, GBR	22/10/15	31/12/18	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		MI-SWACO
MP Cresol 45	Cresols (all isomers)	ZAF	All countries		None	Y	S/P	1	1G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.18, 15.19	Sasol
MP Cresol 70	Cresols (all isomers)	ZAF	All countries		None	Y	S/P	1	1G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.18, 15.19	Sasol
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

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Octimise G10	Alkyl (C3-C4) benzenes and Naphthalene	BEL	LBR, NLD, NOR, ZAF	17/10/12	31/12/15	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Innospec
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
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

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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 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 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 sulfonic 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)	SGP	ARE, AUS, BEL, BHS, CHN, DEU, FRA, GBR, GRC, HKG, IDN, IND, ITA, JPN, KOR, LBR, MYS, NLD, NOR, NZL, PAN, PHL, SGP, TUR, USA, ZAF	05/02/13	31/12/16	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron

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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
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) toluenesulfonic 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

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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
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) toluenesulfonic 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

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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
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) toluenesulfonic 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
Organic Stimulation Acid	Formic acid	NOR	NLD, GBR	05/08/13	31/12/16	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
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

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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, 15.12.4, 15.19.6	Clariant Oil Services Scandinavia AS
PI-7064	Extracts (petroleum), middle distillate solvent	NOR GBR, NLD	18/02/13	31/12/16	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	MI-SWACO
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
Propanol 98	n-Propyl Alcohol	USA CAN, CYM, CYP, GBR, GRC, HKG, LBR, MHL, MLT, NLD, NOR, PAN, SGP	06/11/12	31/12/15	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6	Dow Chemical
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
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

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
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
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

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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		-	-	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 Ltd
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
RedchenA	Ethylene Dichloride	GBR	BEL, CHE, CHN, CYP, DEU, DNK, FRA, GRC, HKG, IND, ITA, KOR, LBR, LUX, MHL, MLT, NLD, NOR, PAN, PHL, SGP, USA, VUT	28/11/13	31/12/16	X	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AB	Yes	15.12, 15.17, 15.19	Ineos ChlorVinyls Ltd
SAFETHERM EG	Sodium Bromide	GBR	DNK, NOR	14/12/12	31/12/15	Y	S/P	3	2G	Open	No	-	-	Yes	R	No	A	No	15.19.6	MI-Swaco
SASC2013	Sodium hydroxide solution	USA	HKG, LBR, MHL, NLD, NOR, PAN, QAT, SGP, GBR	22/11/13	31/12/16	Y	S/P	3	2G	Cont	No	-	-	Yes	R	No	AC	No	15.19.6, 16.2.6, 16.2.9	Merichem Company
SCALETREAT 8060	Potassium Hydroxide solution	GBR	DNK, NLD, NOR	01/10/13	31/12/16	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6	Clariant Oil Services UK Ltd

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SCALETREAT 8199C	Ethanolamine	NOR GBR, NLD	22/03/13	31/12/16	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 GBR, NLD	05/08/13	31/12/16	Y	S/P	3	2G	Cont	No	-	-	Yes	C	No	AC	Yes	15.12.3, 15.17, 15.19, 16.2.9	Clariant Oil Services Scandinavia AS
SCALETREAT SD 12392	Acetic acid	NOR All countries	03/12/12	31/12/15	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	Hydrochloric acid	NOR NLD, GBR	03/07/13	31/12/16	Z	S/P	3	2G	Open	No	-	-	Yes	C	No	AC	No	15.19.6	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 sulfonic 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

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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
SCW85902 in KCL	[(≤24% phosphonomethyl)imino]bis[ethylenenitrilobis(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
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	Champion Technologies
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 Ltd
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 Ltd
SI-4113	Propylene glycol	NOR All countries		None	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		MI-SWACO
SI-4130	Tetra phosphonate - aqueous solution (30-60%)	NOR GBR, NLD	30/01/13	31/12/16	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.11	MI-SWACO
SI-4489	Sodium Chloride	NOR GBR, NLD	19/08/13	31/12/16	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No		Schlumberger Oilfield Services
Solidless Kill Pill	Sodium chloride	NOR GBR, NLD	25/11/13	31/12/16	Y	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6, 16.2.6, 16.2.9	Halliburton AS
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
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

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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
SULFA-CHECK@EC9386A	Hexahydro-1,3,5-Trimethyl-S-Triazine	GBR	NOR	05/08/13	31/12/16	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	A	Yes	15.12, 15.17, 15.19	Nalco
Superconcentrate G 103-26	Ethylene glycol; 2-Ethylhexanoic acid sodium salt	DEU	BHS, BEL, CYM, CHL, CYP, DNK, EGY, FRA, GRC, HKG, ITA, LBR, MYS, MLT, MHL, MAR, NLD, NOR, PAN, PHL, PRT, SGP, ZAF, ESP, SWE, TUR, GBR	07/05/15	31/12/18	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19.6	BASF SE
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
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

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TALUPAC B	Calcium long chain alkaryl sulphonate (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
VALUE CA	Cresols (all isomers)	ZAF	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	A	Yes	15.12, 15.17, 15.19	SASOL
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 Ltd
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

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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

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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
Gypton SA4101	7	2-Propene-1-aminium,N,N-dimethyl-N-2-propenyl-,chloride,homopolymer (aqueous solution)	NOR	GBR, NLD	03/10/13	31/12/16	Y	3		Champion Technologies
HII-124B Liquid	9	Potassium iodide	NOR	GBR	28/07/14	31/12/17	Z	3		Halliburton Scandinavia
MCP Solvent	6	Methyl cyclopentane and hexane	KOR	CHN, PAN	27/08/12	31/12/15	Y	2		Bu Ahn (Republic of Korea)
SCALETREAT 855	12	Diethylenetriamine penta (methylene phosphoric acid), sodium salt (DETA Phosphonate)	GBR	DNK, NLD, NOR	01/10/13	31/12/16	OS	NA	High Viscosity	Clariant Oil Services UK Ltd
ScanPro, marine protein concentrate	7	Fish protein concentrate	NOR	BHS, CYP, DEU, DNK, FIN, GBR, GRC, MLT, NLD, NOR, POL, TUR	29/04/13	31/12/16	Y	3		Scanbio
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						Ship Type
	A1	A2	B1	B2*	D3	E2	
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
3,5-bis(1,1-dimethylethyl)-4-hydroxybenzenepropanoic acid, (C7-C9)-branched alkyl esters	3	NR	3	0		Fp	2
Boric acid	0	Inorg	1	0	R	S	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
Polyether, borated	0	NR	3	1		D	2
Potassium carbonate solution	0	Inorg	2	NI		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

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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
Tengkawang 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

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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
Technical 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

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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.

LIST OF COUNTRY ABBREVIATIONS
Part 1 - Code Order

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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	Czech Republic
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		

**LIST OF COUNTRY ABBREVIATIONS
Part 2 - Country Order**

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

Code	Country	Code	Country
GNB	Guinea-Bissau	MLI	Mali
GUY	Guyana	MLT	Malta
HTI	Haiti	MHL	Marshall Islands
VAT	Holy See	MRT	Mauritania
HND	Honduras	MUS	Mauritius
HKG	Hong Kong, China	MEX	Mexico
HUN	Hungary	FSM	Micronesia (Federated States of)
ISL	Iceland	MCO	Monaco
IND	India	MNG	Mongolia
IDN	Indonesia	MNE	Montenegro
IRN	Iran (Islamic Republic of)	MAR	Morocco
IRQ	Iraq	MOZ	Mozambique
IRL	Ireland	MMR	Myanmar
ISR	Israel	NAM	Namibia
ITA	Italy	NRU	Nauru
JAM	Jamaica	NPL	Nepal
JPN	Japan	NLD	Netherlands
JOR	Jordan	NZL	New Zealand
KAZ	Kazakhstan	NIC	Nicaragua
KEN	Kenya	NER	Niger
KIR	Kiribati	NGA	Nigeria
KWT	Kuwait	NIU	Niue
KGZ	Kyrgyzstan	NOR	Norway
LAO	Lao People's Democratic Republic	OMN	Oman
LVA	Latvia	PAK	Pakistan
LBN	Lebanon	PLW	Palau
LSO	Lesotho	PAN	Panama
LBR	Liberia	PNG	Papua New Guinea
LBY	Libya	PRY	Paraguay
LIE	Liechtenstein	PER	Peru
LTU	Lithuania	PHL	Philippines
LUX	Luxembourg	POL	Poland
MDG	Madagascar	PRT	Portugal
MWI	Malawi	QAT	Qatar
MYS	Malaysia	KOR	Republic of Korea
MDV	Maldives	MDA	Republic of Moldova

Code	Country	Code	Country
ROU	Romania	TUN	Tunisia
RUS	Russian Federation	TUR	Turkey
RWA	Rwanda	TKM	Turkmenistan
KNA	Saint Kitts and Nevis	TUV	Tuvalu
LCA	Saint Lucia	UGA	Uganda
VCT	Saint Vincent and the Grenadines	UKR	Ukraine
WSM	Samoa	ARE	United Arab Emirates
SMR	San Marino	GBR	United Kingdom
STP	Sao Tome and Principe	TZA	United Republic of Tanzania
SAU	Saudi Arabia	USA	United States
SEN	Senegal	URY	Uruguay
SRB	Serbia	UZB	Uzbekistan
SYC	Seychelles	VUT	Vanuatu
SLE	Sierra Leone	VEN	Venezuela (Bolivarian Republic of)
SGP	Singapore	VNM	Viet Nam
SVK	Slovakia	YEM	Yemen
SVN	Slovenia	ZMB	Zambia
SLB	Solomon Islands	ZWE	Zimbabwe
SOM	Somalia		
ZAF	South Africa		
SSD	South Sudan		
ESP	Spain		
LKA	Sri Lanka		
SDN	Sudan		
SUR	Suriname		
SWZ	Swaziland		
SWE	Sweden		
CHE	Switzerland		
SYR	Syrian Arab Republic		
TJK	Tajikistan		
THA	Thailand		
MKD	The former Yugoslav Republic of Macedonia		
TLS	Timor-Leste		
TGO	Togo		
TON	Tonga		
TTO	Trinidad and Tobago		

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CARGO TANK CLEANING ADDITIVES*

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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
Alkaclean	UNI Americas LLC	USA
ALKACLEAN	Blutec srl.	ITA
ALKACLEAN	UNISERVICE S.A.	ITA
Alkaclean HD / PC Cleaner	Unimarine International BV	NLD
ALKACLEAN P.	Blutec srl.	ITA
Alkaclean S.	Blutec srl	ITA
Alkaclean Safety	Unimarine International BV	NLD
Alkaclean Safety	Vecom Marine Alliance BV	NLD
Alkaclean Safety	UNI Americas LLC	USA
ALKACLEAN SAFETY	UNISERVICE S.A.	ITA
Alkaline (CAUS)	StarMarine Chemical BV	NLD
Alkaline (POT)	StarMarine Chemical BV	NLD
Alkasafe Cleaner	CHEMO	GRC
Alkasolvent Liquid	CHEMO	GRC
Alkleen Buffer	Wilhelmsen Chemicals AS	NOR
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

*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.

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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-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-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-460 ALKACLEAN SAFETY LIQUID	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
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

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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
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

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Name of cleaning additive	Name of manufacturer	Reporting country
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	ERTEK KIMYA TIC. ve SAN.LTD.STI	TUR
COAL TAR REMOVER	CHEMO SA	GRC
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
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
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

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Name of cleaning additive	Name of manufacturer	Reporting country
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
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
Ecoclean	UNI Americas LLC	USA
Ecoclean	Vecom Marine Alliance BV	NLD
Ecoclean	Unimarine International BV	NLD
ECOCLEAN	UNISERVICE S.A.	ITA
ECOCLEAN	Blutec srl.	ITA
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ECOSOLUT 14	OTI-Greentech AG	NLD
ECOSOLUT 24 Marine	OTI Greentech AG	CHE
ECOSOLUT 24 Marine	OTI Greentech AG	CHE
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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

CARGO TANK CLEANING ADDITIVES

Name of cleaning additive	Name of manufacturer	Reporting country
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
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

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Name of cleaning additive	Name of manufacturer	Reporting country
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	Blutec srl	ITA
Genepol	Unimarine International BV	NLD
Genepol	UNI Americas LLC	USA
GENEPOL	UNISERVICE S.A.	ITA
General Cleaning & Solvent	MARICHEM MARIGASES Worldwide	GRC
GP Degreaser	VECOM	NLD
GP Enviro	VECOM	NLD
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
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 - Citric	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- MetalBright	CHEMTEC Chemicals GmbH	DEU
KT-AlkaPure	CHEMTEC Chemicals GmbH	DEU
KT-AlkaSoft	CHEMTEC Chemicals GmbH	DEU
KT-Pure	CHEMTEC Chemicals GmbH	DEU

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Name of cleaning additive	Name of manufacturer	Reporting country
KT-SeaClean	CHEMTEC Chemicals GmbH	DEU
KT-Solve	Chemtec Consulting 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 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

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Name of cleaning additive	Name of manufacturer	Reporting country
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
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
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

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Name of cleaning additive	Name of manufacturer	Reporting country
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
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
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

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Name of cleaning additive	Name of manufacturer	Reporting country
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
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 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

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Name of cleaning additive	Name of manufacturer	Reporting country
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
Teepol	Star Marine	NLD
TEEPOL EIGHT	Diversey Co. Ltd.	JPN
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
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