

Số: 03 /BTK-VPIMOVN
V/v: Phân loại tạm thời các chất lỏng.

Hà Nội, ngày 09 tháng 01 năm 2015

Kính gửi:

- Vụ Môi trường (Bộ Giao thông vận tải);
- Vụ Pháp chế (Bộ Giao thông vận tải);
- Cục Đăng kiểm Việt Nam;
- Các Thành viên Ban Thư ký IMO Việt Nam.

Tổ chức Hàng hải Quốc tế (IMO) gửi các Quốc gia thành viên Thông tri số MEPC.2/Circ.20 ngày 17/12/2014 về Phân loại tạm thời các chất lỏng.

Thông tri này được ban hành theo quy định 6.3 của Phụ lục II Công ước MARPOL, thay thế tất cả các thông tri về Phân loại tạm thời các chất lỏng đã ban hành trước đây.

Văn phòng IMO Việt Nam xin gửi nguyên bản Thông tri số MEPC.2/Circ.20 theo địa chỉ: <http://www.vinamarine.gov.vn> - Thông tin IMO, để Quý cơ quan, Quý thành viên xử lý theo thẩm quyền./.

Nơi nhận:

- Như trên;
- TTK - Thứ trưởng Nguyễn Văn Công (để b/c);
- Lưu: VPIMOVN.

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MEPC.2/Circ.20
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PROVISIONAL CATEGORIZATION OF LIQUID SUBSTANCES

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:** Cleaning additives; and
- annex 11:** Biofuels recognized under the *2011 Guidelines for the carriage of blends of petroleum oil and bio-fuels*.

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.19):

- .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.

3.7 The definition of list 1 products, as contained in the present circular, corresponds to the definition of products covered by 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 moved to the IBC Code when next amended. 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.

Country and Territory Codes (annex 7)

3.8 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.

3.9 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. These 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.

Cleaning additives (annex 10)

3.10 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 as follows:

"13.5.2 When small amounts of cleaning additives (detergent products) are added to water in order to facilitate tank washing, no additives containing pollution category X components shall be used except those components that are readily biodegradable and present in a total concentration of less than 10%. No restrictions additional to those applicable to the tank due to the previous cargo should apply."

3.11 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.

Blends of petroleum oil and biofuels

3.12 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 bio-fuels* (MEPC.1/Circ.761/Rev.1).

4 Notification of new entries under tripartite agreements

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

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

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

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

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

4.3 As the majority of products communicated to the Organization are classified by the "calculation method" (see MEPC.1/Circ.512) and are candidates for 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 shown 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 one of those appearing 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 the MEPC.2/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 form 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 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 by the Administration concerned, directly in the database.

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 | |
| 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 |
| 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 mixture (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 | 17/12/17 | Y | P | 2 | 2G | Open | No | - | - | Yes | O | No | A | No | 15.19.6, 16.2.6 |
| Aluminium hydroxide, sodium hydroxide, sodium carbonate solution (40% or less) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | NF | C | T | No | Yes | 15.12, 15.17, 15.19 |
| tert-Amyl ethyl ether | | All countries | | None | Z | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | ABC | No | 15.19.6 |
| Bio-fuel blends of 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 | 17/12/17 | X | S/P | 2 | 2G | Cont | No | T3 | IIB | 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 |
| Cyclohexane-1,2-dicarboxylic acid, diisononyl ester | DEU | BEL, CHN, CYM, GBR, HKG, JPN, KOR, LBR, MHL, MYS, NLD, NOR, PAN, SGP, THA | 09/08/13 | 17/12/16 | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | AB | No | 16.2.6 |
| Cyclohexane oxidation products, sodium salts solution | | All countries | | None | Z | P | 2 | 2G | Open | No | - | - | Yes | 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 |
| 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 | 17/12/16 | 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 |

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 |
|--|-----|---|--------------|-------------|-----|-----|------|----|------|----|----|-----|------|---|----|-----|-----|---------------------------------------|
| Fresh grinded fish by-products | NOR | DNK, FIN | 13/09/13 | 17/12/16 | 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 |
| Maleic anhydride/sodium allylsulphonate copolymer solution | | All countries | | None | Z | P | 3 | 2G | Open | No | - | - | Yes | O | No | ABC | No | |
| Methyl Cyclopentane | KOR | CHN, PAN | 27/09/12 | 17/12/15 | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | ABC | No | 15.19.6 |
| Naphthalene crude (molten) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | No | 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 | 17/12/15 | 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 | 17/12/15 | 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 |

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

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 Oil |
| 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 |
| 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 |
| 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 |

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 |
|--------------------------|-------|---------------------------------|-----|--------------|-----|----|--------|----------------------------|
| 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 |
| 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 |

TRIPARTITE AGREEMENTS

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

| Tradename | n.o.s | Contains | Rep | Receive Date | Cat | ST | Remark | Company |
|--|-------|---|-----|--------------|-----|----|----------------|---------------------------------|
| Exxsol 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 |
| Gypton SA3360 | 7 | 2-Propene-1-aminium, N,N-dimethyl-N-2-propenyl, chloride homopolymer (solution) | NOR | 22/10/13 | Y | 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 |
| 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 |

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|-----------------|-------|-------------------------------------|-----|--------------|-----|----|----------------|----------------------|
| 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 M | 9 | Iso- and cycloalkanes (C12+) | BEL | 01/09/06 | Z | 3 | | ExxonMobil |
| ISO-PROPYLLOL | 11 | Isopropyl alcohol | ZAF | 12/01/07 | Z | NA | | SASOL |
| KALCOL 1260 | 5 | Dodecyl alcohol | MYS | 10/11/06 | Y | 2 | | Fatty Chemical (MYS) |
| KALCOL 2465 | 5 | Dodecyl alcohol | USA | 14/06/06 | Y | 2 | | Fatty Chemical (MYS) |
| KALCOL 2470 | 5 | Dodecyl alcohol | USA | 14/06/06 | Y | 2 | | Fatty Chemical (MYS) |
| LI 36 | 8 | Pentane (all isomers) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| LI 200 | 6 | White Spirit, low (15-20%) aromatic | FIN | 08/05/08 | Y | 2 | | Neste Oil |

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|-----------------|-------|--|-----|--------------|-----|----|----------------|-----------|
| LI 220 HF | 5 | White Spirit, low (15-20%) aromatic | FIN | 08/05/08 | Y | 2 | | Neste Oil |
| LI AV 75 | 6 | Hexane (all isomers) | FIN | 08/05/08 | Y | 2 | | Neste Oil |
| LI AV 110 | 4 | Heptane (all isomers) | FIN | 08/05/08 | X | 2 | | Neste Oil |
| LI AV 200 | 8 | Iso- and cyclo-alkanes (C10-C11) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| LI AV 230 | 7 | Iso- and cyclo-alkanes (C10-C11) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| LI AV 250 | 7 | Iso- and cyclo-alkanes (C10-C11) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| LI AV 270 | 7 | Iso- and cyclo-alkanes (C12+) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| LI AV 300 | 7 | Iso- and cyclo-alkanes (C12+) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| 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 4980A | 5 | Mineral oil | USA | 30/09/06 | 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 |
| 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 9245 | 5 | Calcium longchain alkyl phenate sulphide (C8-C40) | USA | 30/09/06 | 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 |

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|-----------------|-------|---------------------------------------|-----|--------------|-----|----|----------------|----------|
| 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 |
| 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 |

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|-----------------|-------|---|-----|--------------|-----|----|----------------|----------------|
| 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 Oil |
| NEXBASE@2004 | 5 | Polyolefin (mw +300) | BEL | 29/09/06 | Y | 2 | | Neste Oil |
| NEXBASE@2006 | 5 | Polyolefin (mw +300) | BEL | 29/09/06 | Y | 2 | High Viscosity | Neste Oil |
| NEXBASE@2008 | 5 | Polyolefin (mw +300) | BEL | 29/09/06 | Y | 2 | | Neste Oil |
| NEXBASE@3020 | 5 | Iso- and cyclo-alkanes (C12+) | FIN | 08/05/08 | Y | 2 | | Neste Oil |
| NEXBASE@3030 | 5 | Iso- and cyclo-alkanes (C12+) | FIN | 08/05/08 | Y | 2 | | Neste Oil |
| NEXBASE@3043 | 5 | Iso- and cyclo-alkanes (C12+) | FIN | 08/05/08 | Y | 2 | | Neste Oil |

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|-----------------------|-------|--|-----|--------------|-----|----|----------------|-----------------------------|
| NEXBASE@3050 | 5 | Iso- and cyclo-alkanes (C12+) | FIN | 08/05/08 | Y | 2 | High Viscosity | Neste Oil |
| NEXBASE@3060 | 5 | Iso- and cyclo-alkanes (C12+) | FIN | 08/05/08 | Y | 2 | High Viscosity | Neste Oil |
| NEXBASE@3080 | 5 | Iso- and cyclo-alkanes (C12+) | FIN | 08/05/08 | Y | 2 | High Viscosity | Neste Oil |
| 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 |
| 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 |
| 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 |
| Petrinex T9 | 3 | Napthalene | 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 |

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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 |
|---------------------|-------|---|-----|--------------|-----|----|----------------|--------------------------------------|
| 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 | 2 | High Viscosity | 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 sulfonic acid copolymer with phosphonate groups, partial sodium salt (aqueous solution) | NOR | 04/08/14 | Z | 2 | High Viscosity | 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 |
| 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 |
| 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 |

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|----------------------|-------|-------------------------------------|-----|--------------|-----|----|----------------|--------------------------------------|
| 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 | GBR, NLD | 25/11/13 | 17/12/16 | Z | S/P | 3 | 2G | Cont | No | - | - | Yes | R | No | AC | No | 15.19.6, 16.2.9 | Clariant Oil Services Scandinavia AS |
| 30% Scaletreat SD 12154 in KCl 3% | Potassium hydroxide | NOR | NLD, GBR | 25/11/13 | 17/12/16 | Z | S/P | 3 | 2G | Cont | No | - | - | Yes | O | No | AC | No | 16.2.9 | Clariant Oil Services Scandinavia AS |
| 50% Scaletreat SD 12154 in KCl 3% | Potassium hydroxide | NOR | NLD, GBR | 25/11/13 | 17/12/16 | 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 13246 | Calcium alkaryl sulphonate (C11-C50) | USA | ARE, ARG, AUS, BEL, BHS, BRA, CAN, CHE, CHN, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, IND, IRL, ITA, JPN, KOR, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PER, PHL, POL, SAU, SGP, SWE, VUT, ZAF | 02/03/12 | 17/12/15 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Lubrizol |
| Biopac II | Potassium Hydroxide | NOR | GBR | 30/06/14 | 17/12/17 | Y | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | 15.19.6, 16.2.6, 16.2.9 | Halliburton Sandinavia |
| 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 | NOR, SGP, USA | 15/02/12 | 17/12/15 | 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 |

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|-------------------|---|-----|---|--------------|-------------|-----|-----|----|----|------|-------|----|-----|------|---|----|-----|-----|---------------------------|--------------------------|
| 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 | 17/12/17 | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.12, 15.19.6, 16.2.6 | Chevron Oronite Company |
| 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 | Methynaphthalene 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 | 17/12/17 | 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 | 17/12/17 | 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 |
| Crosslinker TB-41 | Borax | NOR | GBR, NLD | 25/11/13 | 17/12/16 | Y | S/P | 3 | 2G | Cont | No | - | - | NF | C | No | No | No | 15.19.6, 16.2.6, 16.2.9 | Halliburton |
| 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 |
| 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 | 17/12/17 | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | 16.2.6, 16.2.9 | Halliburton Scandinavia |
| Eastman VersaMax | Bis(2-ethylhexyl) terephthalate | USA | BRA, CYM, CHL, HKG, MHL, NLD, NOR, PAN, PHL, SGP, GBR | 14/10/14 | 17/12/17 | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6, 16.2.9 | Eastman Chemical Company |
| EB-8228 | Poly(iminoethylene)-graft-N-poly(ethyleneoxy) solution (90%or less) | NOR | All countries | | None | Y | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6 | MI-SWACO |
| EC1017B | Carbohydrazide | GBR | NOR | 13/02/14 | 17/12/17 | 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 | 17/12/15 | 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 |

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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 |
|-------------------|---|-----|--|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|--|---------------------|
| EC1645A | Naphthalene and Alkyl (C5-C8) benzenes | GBR | NOR | 17/06/14 | 17/12/17 | Y | S/P | 2 | 2G | Cont | No | T2 | IIB | No | C | FT | ABC | No | 15.19.6 | Nalco Champion Ltd |
| EC6475A | Sodium hydroxide and Diethylenetriamine pentaacetic acid, pentapotassium salt (40% solution) | GBR | BEL, FIN, FRA, DEU, JPN, MHL, NLD, NGA, NOR, PHL, ZAF, ESP, SWE, USA | 03/10/14 | 17/12/17 | Y | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | 15.19.6 | Nalco Champion Ltd. |
| EC6660A | Drilling brines, including:calcium bromide solution, calcium chloride solution and sodium chloride solution | GBR | BEL, FIN, FRA, DEU, JPN, MHL, NLD, NGA, NOR, PHL, ZAF, ESP, SWE, USA | 03/10/14 | 17/12/17 | Y | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | 15.19.6 | Nalco Champion Ltd. |
| EC6671A | Methyl Alcohol and Poly N-alkylmethacrylamide ammonium acrylate copolymer (20% solution in DEGME) | GBR | BEL, DNK, FIN, FRA, DEU, ITA, JPN, MHL, NLD, NGA, NOR, PHL, ZAF, ESP, SWE, GBR | 29/09/11 | 17/12/15 | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | C | FT | ABC | No | 15.12, 15.19.6 | Nalco Champion Ltd. |
| EC9356A | Hexahydro-1,3,5-Trimethyl-S-Triazine | GBR | NOR | 20/08/13 | 17/12/16 | 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 | 17/12/17 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | R | T | ABC | No | 15.12.3, 15.12.4 | Champion Technology |
| 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 |
| 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 | 17/12/17 | Y | S/P | 2 | 2G | Cont | No | T3 | IIA | No | C | FT | ABC | No | 15.12, 15.17, 15.19 | Fuerza LLC |
| Gyptron SA1360 | Hydrochloric acid | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | NF | O | No | No | No | | Champion Technologies |
| Gyptron SA1650 | Ethylene glycol | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Champion Technologies |
| Gyptron SA1660 | Ethylene glycol | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | | | Yes | O | No | AC | No | | Champion Technologies |
| Gyptron SA2010 | Ethylene glycol monoalkyl ethers | NOR | GBR | 09/10/14 | 17/12/17 | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | R | T | AC | No | 15.12.3, 15.12.4, 15.19.6 | Champion Technologies |
| Gyptron SA3050 | Ethylene glycol | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Champion Technologies |
| Gyptron SA3070 | Ethylene glycol | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | NF | O | No | No | No | -- | Champion Technologies |
| Gyptron SA3110 | Ethylene glycol monoalkyl ethers | NOR | GBR | 09/10/14 | 17/12/17 | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | none | Champion Technologies |
| Gyptron 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 |

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|--|--|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|---|----------------------------|
| Gyptron SA3130 | Ethylene glycol and 2-Propene-1-aminium,N,N-dimethyl-N-2-propenyl-,chloride, homopolymer | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Champion Technologies |
| Gyptron SA3190 | Ethylene glycol monoalkyl ethers | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Champion Technologies |
| Gyptron SA4074 | Ethanolamine | NOR | NLD, GBR | 03/01/14 | 17/12/17 | Z | S/P | 3 | 2G | Open | No | - | - | NF | O | No | No | No | | Champion Technologies |
| Gyptron SA4139 | Ethylene glycol monoalkyl ethers | NOR | NLD, GBR | 13/11/14 | 17/12/17 | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | C | T | AC | No | 15.12.3, 15.12.4, 15.19 | Champion Technologies |
| Gyptron SD250 | Potassium carbonate | NOR | GBR, NLD | 12/11/12 | 17/12/15 | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Champion Technologies |
| Gyptron SD250 in KCl solution | Potassium carbonate | NOR | GBR, NLD | 21/11/12 | 17/12/15 | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | A | No | | 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 | 17/12/16 | 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 | 17/12/17 | 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 | 17/12/16 | 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 |
| Hybor H | Potassium Chloride Solution, Sodium Bromide Solution or Sodium Chloride Solution (drilling brines) | NOR | GBR, NLD | 19/08/13 | 17/12/16 | 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 | 17/12/16 | 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 |

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|--------------------|---|-----|--|--------------|-------------|-----|-----|----|----|------|-------|----|-----|------|---|----|-----|-----|--|-------------------------|
| 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 |
| Isopar N | Iso- and cyclo-alkanes (C12+) | GBR | BEL, ITA | 28/10/14 | 17/12/17 | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | R | No | A | No | 15.19.6 | ExxonMobil |
| KCl/NaBr | Sodium Bromide | NOR | DNK, GBR | 27/06/14 | 17/12/17 | 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 | 17/12/17 | 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 | 17/12/17 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Chevron Oronite |
| LUBAD 1197 | Calcium long-chain alkyl phenate sulphide (C8-C40), Alkyl (C18-C28) toluene sulphonic acid, calcium salts, low overbase and mineral oil | FRA | DZA, AUS, BHS, BEL, CYM, CHN, EGY, DEU, GRC, HKG, IND, IDN, ITA, JPN, LBR, MYS, NLD, NZL, NOR, PAN, PHL, KOR, SGP, ZAF, TUR, ARE, GBR, USA | 13/10/14 | 17/12/17 | Y | S/P | | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Chevron Oronite |

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|-----------------|--|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-----------------------------|-----------------|
| 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 | 17/12/16 | 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 | 17/12/17 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Chevron Oronite |
| 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 | 17/12/17 | 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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|----------------|---|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-----------------------------|----------|
| Lubrizol 16005 | Calcium alkaryl sulphonate (C11-C50) | USA | ARE, ARG, AUS, BEL, BHS, BRA, CAN, CHE, CHN, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, IND, IRL, ITA, JPN, KOR, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PER, PHL, POL, SAU, SGP, SWE, VUT, ZAF | 02/03/12 | 17/12/15 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Lubrizol |
| 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 | 17/12/16 | 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 AP13275 | 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, ZAF | 12/02/14 | 17/12/17 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Lubrizol |
| Lubrizol CV2301 | Mineral Oil and Calcium alkaryl sulphonate (C11-C50) | USA | ARE, ARG, AUS, BEL, BHS, BRA, CAN, CHE, CHN, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, IND, IRL, ITA, JPN, KOR, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PER, PHL, POL, SGP, SWE, URY, VUT, ZAF | 02/08/12 | 17/12/15 | 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 CV6503 | Mineral Oil and Calcium alkaryl sulphonate (C11-C50) | USA | ARE, ARG, AUS, BEL, BHS, BRA, CAN, CHE, CHN, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, IND, IRL, ITA, JPN, KOR, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PER, PHL, POL, SAU, SGP, SWE, URY, VUT, ZAF | 02/08/12 | 17/12/15 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Lubrizol |
| Lubrizol CV7050 | Calcium alkaryl sulphonate (C11-C50) | USA | ARE, ARG, AUS, BEL, BHS, BRA, CAN, CHE, CHN, CYM, CYP, DEU, DNK, ECU, EGY, ESP, EST, FIN, FRA, GBR, GRC, HKG, IND, IRL, ITA, JPN, KOR, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PER, PHL, POL, SAU, SGP, SWE, VUT, ZAF | 02/03/12 | 17/12/15 | 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 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 | 17/12/17 | 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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|------------------|--|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-----------------------------|----------|
| 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 | 17/12/16 | 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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|------------------|--|-----|--|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-----------------------------|----------|
| 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 | 17/12/17 | 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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|------------------|--|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-----------------------------|----------|
| 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 | 17/12/16 | 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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|------------------|--|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-----------------------------|----------|
| 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 | 17/12/16 | 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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|------------------|--|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-----------------------------|----------------------|
| 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 | 17/12/16 | 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 | 17/12/17 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12, 15.17, 15.19, 16.2.6 | Lubrizol Corporation |

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|------------------|---|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-------------------------------------|----------------------|
| Lubrizol SLF6006 | Calcium long chain alkyl phenate sulphide (C8-C40), and Calcium alkaryl sulphonate (C11-C50) | 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 | 03/06/13 | 17/12/16 | 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 |
| 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 | 17/12/17 | Z | S/P | 3 | 2G | Cont | No | T3 | IIB | No | C | F | AC | No | | Clariant Scandinavia |
| Octimise G10 | Alkyl (C3-C4) benzenes and Naphthalene | BEL | LBR, NLD, NOR, ZAF | 17/10/12 | 17/12/15 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12, 15.17, 15.19.6 | Innospec |
| 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 |

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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 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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|------------|---|-----|--|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|-----------------------------|-----------------|
| 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 | 17/12/16 | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6 | Chevron |
| 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 | 17/12/17 | 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) toluenesulphonic 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 |
| 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 |
| OLOA 55501 | Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil | SGP | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Chevron |
| OLOA 58000 | Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil | FRA | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Chevron |

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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 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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|---|---|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|--------|-----|-----|--|-------------------------|
| 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 Simulation Acid (formerly OAM with FDP-S692-03) | Formic acid | NOR | NLD, GBR | 05/08/13 | 17/12/16 | 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 |
| Phasetreat 7623 | Ethylene glycol monoalkyl ethers | NOR | GBR | 21/10/14 | 17/12/17 | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 16.2.9 | Clariant Scandinavia AS |
| PI-7064 | Extracts (petroleum), middle distillate solvent | NOR | GBR, NLD | 18/02/13 | 17/12/16 | 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 | 17/12/15 | 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 | 17/12/17 | Y | S/P | 3 | 2G | Open | No | - | - | NF | O | No | No | No | 15.19.6 | Kjemi A/S |

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|--|--|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|--|--------------------------------------|
| 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 | 17/12/16 | 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 | 17/12/15 | 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, NOR, PAN, QAT, SGP, GBR | 22/11/13 | 17/12/16 | 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 | 17/12/16 | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | A | No | 15.19.6 | Clariant Oil Services UK Ltd |
| SCALETREAT 8199C | Ethanolamine | NOR | GBR, NLD | 22/03/13 | 17/12/16 | 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 SD 12154 | Potassium hydroxide solution | NOR | GBR, NLD | 05/08/13 | 17/12/16 | 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 | | None | Z | S/P | 3 | 2G | Cont | No | - | - | Yes | R | No | AC | No | 15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19.6, 16.2.9 | Clariant Oil Services Scandinavia AS |
| SCALETREAT TP 8385 | Ethylene glycol | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Clariant Oil Services Scandinavia AS |
| Scaletreat TP 8385 in up to (20%) NaCl/KCl | Ethylene glycol | NOR | NLD, GBR | 27/07/14 | 17/12/17 | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Clariant Oil Services Scandinavia AS |

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|---|---|-------------------|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|---------------------------------------|--------------------------------------|
| Scaletreat TP 8441 | Hydrochloric acid | NOR NLD, GBR | 03/07/13 | 17/12/16 | 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 | 17/12/17 | Z | S/P | 3 | 2G | Open | No | - | - | Yes | C | No | AC | No | 15.19.6 | 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 |
| Secure SC2020 | 3-(Triethoxysilyl)propylamine | NOR GBR, NLD | 21/11/12 | 17/12/15 | 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 | 17/12/17 | 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 | 17/12/17 | 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 | 17/12/16 | 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 | 17/12/16 | 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 | 17/12/16 | 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 | 17/12/17 | 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 | Alkyl naphthalenes | 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 | NOR GBR, NLD | 29/06/12 | 17/12/15 | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | C | No | AC | No | 15.12.3, 15.19.6 | Clariant Oil Services Scandinavia AS |
| SULFA-CHECK@EC9386A | Hexahydro-1,3,5-Trimethyl-S-Triazine | GBR NOR | 05/08/13 | 17/12/16 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | A | Yes | 15.12, 15.17, 15.19 | Nalco |
| 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 |
| 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 | 17/12/17 | 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 | FT | AC | No | -- | 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) and Paraffin Wax | ZAF BGD, CHN, IND, PAN, THA | 04/08/14 | 17/12/17 | 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) and Paraffin Wax | ZAF BGD, CHN, IND, PAN, THA | 14/07/14 | 17/12/17 | 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 |

TRIPARTITE AGREEMENTS

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

| Tradename | n.o.s. | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | ST | Remark | Company |
|-------------------------------------|--------|--|-----|--|--------------|-------------|-----|----|----------------|------------------------------|
| Carbonate Scale LCAcid | | Acetic acid | NOR | GBR | 30/06/14 | 17/12/17 | X | 3 | | Halliburton Scandinavia |
| Corrosion Inhibited Water | | Formic acid | NOR | GBR | 28/07/14 | 17/12/17 | X | 3 | | Halliburton Scandinavia |
| FLOPAAM EM 533 DC 01 | 7 | Iso- and cyclo-alkanes (C12+) | GBR | DNK, NLD, NOR | 25/12/14 | 17/12/17 | Y | 3 | High Viscosity | SNF SAS |
| Gyptron SA4101 | 7 | 2-Propene-1-aminium,N,N-dimethyl-N-2-propenyl-,chloride,homopolymer (aqueous solution) | NOR | GBR, NLD | 03/10/13 | 17/12/16 | Y | 3 | | Champion Technologies |
| Hil-124B Liquid | 9 | Potassium iodide | NOR | GBR | 28/07/14 | 17/12/17 | Z | 3 | | Halliburton Scandinavia |
| MCP Solvent | 6 | Methyl cyclopentane and hexane | KOR | CHN, PAN | 27/08/12 | 17/12/15 | 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 | 17/12/16 | 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 | 17/12/16 | Y | 3 | | Scanbio |

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 |
| Dipropylene glycol dibenzoate | 3 | R | 3 | NI | | S | 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 |
| 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 |

* 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

SYNONYMS FOR VEGETABLE OILS

ILLIPE OIL

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

JATROPHA OIL

Physic nut extract
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

SYNONYMS FOR VEGETABLE OILS

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
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

SYNONYMS FOR VEGETABLE OILS

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
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

SYNONYMS FOR VEGETABLE OILS

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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

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.

TUNG OIL

China Wood Oil
Raw Tung Oil
Raw Wood Oil
Wood Oil

**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**

**MEPC.2/Circ.20
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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*

| Name of cleaning additive | Name of manufacturer | Reporting country |
|---|--|--------------------------|
| AA118 MULTI-DUTY | VANCE CHEMICALS PTE. LTD. | SGP |
| AA118 SAFETY NON-CAUSTIC | 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 Safe | AYT Endustriyel Kimya Sansayi Ltd. STI | TUR |
| Alcleaner PBC | AYT Endustriyel Kimya Sansayi Ltd. STI | TUR |
| Alkaclean | UNI Americas LLC | USA |
| ALKACLEAN | UNISERVICE S.A. | ITA |
| ALKACLEAN | Blutec srl. | ITA |
| Alkaclean HD / PC Cleaner | Unimarine International BV - Eflochem | NLD |
| ALKACLEAN P. | Blutec srl. | ITA |
| Alkaclean S. | Blutec srl | ITA |
| Alkaclean Safety | Unimarine International BV - Eflochem | 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 | UNITOR Chemicals | NOR |
| Alkleen Liquid | UNITOR Chemicals | NOR |
| Alkleen Safety Liquid | UNITOR Chemicals AS | NOR |
| ALOHA SWING | New Shin Young Co., Ltd. | KOR |
| ALOHA SWING PLUS | New Shin Young Co., Ltd. | KOR |
| ALPHA BUFFER CLEAN | ALPHA MARINE SOLUTIONS | USA |
| ALPHA SOAP | ALPHA MARINE SOLUTIONS | USA |
| ALPHA SOLVE | ALPHA MARINE SOLUTIONS | USA |
| AMEROID RSR | DREW MARINE | USA |

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

CARGO TANK CLEANING ADDITIVES*

| Name of cleaning additive | Name of manufacturer | Reporting country |
|---|--|--------------------------|
| 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 | UNITOR 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 |
| Buffer | StarMarine Chemical BV | NLD |
| Bufferclean 5.5 | Unimarine International BV - Eflochem | 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 |

CARGO TANK CLEANING ADDITIVES*

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| Name of cleaning additive | Name of manufacturer | Reporting country |
|---|--|--------------------------|
| 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 Coaltar | Marine Care BV | 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 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 |
| 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 |
| Chemalyt 146 | Henkel Belgium N.V. | BEL |
| 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 |

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|--|--|--------------------------|
| Cleanbreak | Blutec srl | ITA |
| Coal Tar Cleaner | Unimarine International BV - Eflochem | NLD |
| Coal Tar Remover | Vecom Marine Alliance BV | NLD |
| COAL TAR REMOVER | CHEMO SA | GRC |
| COAL TAR REMOVER | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| Coaltar Remover | WVT Industries N.V. | BEL |
| COLD WASH | UNISERVICE S.A. | ITA |
| Cold Wash C. | Blutec srl | ITA |
| Cold Wash HD | UNI Americas LLC | USA |
| Coldwash HD | Unimarine International BV - Eflochem | 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 |
| 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 |

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|------------------------------------|---------------------------------------|--------------------------|
| 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 |
| Ecoclean | UNI Americas LLC | USA |
| Ecoclean | Vecom Marine Alliance BV | NLD |
| Ecoclean | Unimarine International BV - Eflochem | NLD |
| ECOCLEAN | Blutec srl. | ITA |
| ECOCLEAN | UNISERVICE S.A. | ITA |
| Ecosolu 14 Marine | OTI Greentech AG | CHE |
| ECOSOLUT 14 Marine | OTI Greentech AG | CHE |
| ECOSOLUT 14 SHD Marine | OTI Greentech AG | CHE |
| ECOSOLUT 14S Marine | OTI Greentech AG | CHE |
| ECOSOLUT 18 Marine | OTI Greentech AG | CHE |
| ECOSOLUT 24 HD Marine | OTI Greentech AG | CHE |
| ECOSOLUT 24 Marine | OTI Greentech AG | CHE |
| ECOSOLUT 24 Marine | OTI Greentech AG | CHE |
| 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 |

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| Enviropower HD | CHEMO | GRC |
| ER-AC | ERTEK KIMYA TIC. VE SAN. LTD. STI | TUR |
| ER-AC PLUS | ERTEK KIMYA TIC. VE SAN. LTD. STI | TUR |
| ER-APC | ERTEK KIMYA TIC. VE SAN. LTD. STI | TUR |
| ER-APC AQUA | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| ER-APC EXTRA 200 | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| ER-APC EXTRA 50 | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| ERCLEAN BUFFER | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| ERCLEAN CTC | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| ERCLEAN IGS | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| ER-CLEAN SAFETY | ERTEK KIMYA TIC. VE SAN. LTD. STI | TUR |
| ERCLEAN-HCF | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| ER-HDC | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| ER-OGR | ERTEK KIMYA TIC. VE SAN. LTD. STI | TUR |
| ER-TEEPOL | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| FALCHEM AQUASOLVE | Enerchem (s) Pte Ltd | SGP |
| FALCHEM Bleach Substitute | Enerchem (S) Pte. Ltd | SGP |
| FALCHEM Buffer Clean, Tank Cleaner | Enerchem (S) Pte. Ltd | SGP |
| FALCHEM CITRUS KLEEN | Enerchem (s) Pte Ltd | SGP |
| FALCHEM Enerpol, Multi Purpose Detergent | Enerchem (S) Pte. Ltd | SGP |
| FALCHEM ENVIROCLEAN | Enerchem (s) Pte Ltd | SGP |
| FALCHEM NEUTRAL CLEANER | Enerchem (s) Pte Ltd | SGP |
| FALCHEM SOLVATE OIL AND GREASE EMULSION | Enerchem (s) Pte Ltd | SGP |
| FALCHEM TANKLEEN | Enerchem (s) Pte Ltd | SGP |
| FOAM PLUS | MARICHEM MARIGASES Worldwide | GRC |
| Fresh Force Kleen | CHEMO | GRC |
| Genepol | UNI Americas LLC | USA |
| Genepol | Blutec srl | ITA |
| Genepol | Unimarine International BV - Eflochem | NLD |
| 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 |

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| 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 |
| 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 |

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| Name of cleaning additive | Name of manufacturer | Reporting country |
|--|--|--------------------------|
| 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 | Maritech Marine Technologies AB | SWE |
| MARISOL HD | Marisol Chemical | SWE |
| MARISOL LC | Maritech Marine Technologies AB | SWE |
| MARISOL NC | Maritech Marine Technologies AB | SWE |
| MARISOL RW | Maritech Marine Technologies AB | SWE |
| MARISOL TC | Maritech Marine Technologies AB | SWE |
| MARISOL VT - PLUS | Maritech Marine Technologies AB | SWE |
| Masava Tank Cleaner | Masava Kemi ApS | DNK |
| Metal Brite HD | Unitor Chemicals AS | NOR |
| Metal Deruster | StarMarine Chemical BV | NLD |
| MITE | AYT Endustriyel Kimya Sansayi Ltd. STI | TUR |
| Multi Cleaner | VECOM | NLD |
| Multicleaner | StarMarine Chemical BV | NLD |
| MULTICLEANER | ERTEK KIMYA TIC. ve SAN.LTD.STI | TUR |
| NA marine | Henkel Belgium N.V. | BEL |
| Nalfleet Sea Shield 79105 ALKALINE CLEANER | Nalco, Ltd. | GBR |
| Nalfleet Sea Shield 79112 METAL BRIGHTENER | Nalco, Ltd. | GBR |
| Nalfleet Sea Shield 79118 DETERGENT CLEANER | Nalco, Ltd. | GBR |
| Natural | AYT Endustriyel Kimya Sansayi Ltd. STI | TUR |
| Natural HCF | AYT Endustriyel Kimya Sansayi Ltd. STI | TUR |
| NAVACLEAN 801 - ALKATUFF | NAVADAN APS | DNK |
| NAVACLEAN 803 - ALKATUFF PHS | NAVADAN APS | DNK |
| NAVACLEAN 809 - TEEPOL PLUS | NAVADAN APS | DNK |
| NAVACLEAN 814 - DYESTUFF REMOVER | NAVADAN APS | DNK |
| NAVACLEAN 818 - COLDWASH | NAVADAN APS | DNK |
| NAVACLEAN 823 - BUFFERCLEANER 55 | NAVADAN APS | DNK |
| NAVACLEAN 823 (CON) BUFFER CLEANER 55 | NAVADAN APS | DNK |
| NAVACLEAN 842 - ALKASAFE | NAVADAN APS | DNK |
| NAVACLEAN 848 - NEUTRAL CLEANING CONCENTRATE | NAVADAN APS | DNK |
| NAVACLEAN 850 - WATERBASED NEUTRAL HCF | NAVADAN APS | DNK |
| 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 |
| NAVACLOR 812 | NAVADAN APS | DNK |
| NEUTRAL CLEANER | MARICHEM MARIGASES Worldwide | GRC |
| Neutral HCF | Star marine Chemicals B.V. | NLD |
| NEUTRAL HCF CLEANER | CHEMO SA | GRC |

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| 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 |
| P3-A | Henkel Adhesive Technologies | BEL |
| P3-glin | Henkel Belgium N.V. | BEL |
| P3-x vloeibaar | Henkel Belgium N.V. | BEL |
| Product Formula 3 | Drew Marine | USA |
| Product Formula 4 | Drew Marine | USA |
| Product Formula 5 | Drew Marine | USA |
| Quick Split Cleaner | Vecom Marine Alliance BV | NLD |
| Ready | AYT Endustriyel Kimya Sansayi Ltd. STI | TUR |
| Redox Heavy Duty Cleaner | REDOX CHEMICAL PTE LTD | SGP |
| Redox Heavy Duty Tank Cleaner | REDOX CHEMICAL PTE LTD | SGP |
| Redox Metal Brightener | REDOX CHEMICAL PTE LTD | SGP |
| Redox Multi-Purpose Cleaner | REDOX CHEMICAL PTE LTD | SGP |
| Redox Oil Spill Dispersant & Tank Cleaning Additive | REDOX CHEMICAL PTE LTD | SGP |
| Redox Twiinstarr | REDOX CHEMICAL PTE LTD | SGP |
| Redox Water-Based Hydro-Carbon Free (HCF) Cleaner | REDOX CHEMICAL PTE LTD | SGP |
| Rem-25 | AYT Endustriyel Kimya Sansayi Ltd. STI | TUR |
| Resin Stripper | VECOM | NLD |
| 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 | UNITOR Chemicals AS | NOR |
| Seaclean | Unimarine International BV - Eflochem | NLD |
| Seaclean | UNI Americas LLC | USA |
| 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 |

CARGO TANK CLEANING ADDITIVES*

| Name of cleaning additive | Name of manufacturer | Reporting country |
|----------------------------------|--|--------------------------|
| 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 |
| 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 |

CARGO TANK CLEANING ADDITIVES*

| Name of cleaning additive | Name of manufacturer | Reporting country |
|--|--|--------------------------|
| TankCleaner | Star Marine Chemicals BV | NLD |
| TANKCLEANER 9M | UNI Americas LLC | USA |
| TANKCLEANER P75 | UNI Americas LLC | USA |
| Tankleen Advance | UNITOR Chemicals AS | NOR |
| Tankleen Bright | UNITOR Chemicals AS | NOR |
| TANKLEEN SWIFT | Unitor Chemicals AS | NOR |
| TANKLEEN TAR | Unitor Chemicals AS | NOR |
| TANKSHINE | CHEMO | GRC |
| TC-01 - Heavy Duty Alkaline Tank Cleaner | ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI | TUR |
| TC-02 - Non-Caustic Alkaline Tank Cleaner | ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI | TUR |
| TC-03 - Non-Toxic, Water-Based Safety Alkaline Cleaner | ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI | TUR |
| TC-04 - Heavy Duty Concentrated Tank Cleaner | ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI | TUR |
| TC-05 - Solvent Based Tank Cleaner | ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI | TUR |
| TC-06 - Heavy Duty Water Based Hydrocarbon Free | ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI | TUR |
| TC-07 - Water-Based Neutral Tank Cleaning Detergent | ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI | TUR |
| TC-10 - Rust and Oxidation Remover for NLS Cargo Tank cleaning | ANMAR ENDUSTRIYEL KIMYA SAN. TIC. LTD. STI | TUR |
| TC-ALK | CEMKIMSAN KIMYA SAN.TIC.LTD.STI | TUR |
| 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 - Eflochem | 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 - Eflochem | NLD |
| Uniclean HCF Eco | Unimarine International BV - Eflochem | NLD |
| Uniclean HD | UNI Americas LLC | USA |
| Uniclean HD | VECOM | NLD |
| Uniclean IG | UNI Americas LLC | USA |
| Uniclean Resin Remover | Unimarine International BV - Eflochem | NLD |

CARGO TANK CLEANING ADDITIVES***MEPC.2/Circ.20
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| Name of cleaning additive | Name of manufacturer | Reporting country |
|----------------------------------|---------------------------------------|--------------------------|
| Uniclean Rust Remover | Unimarine International BV - Eflochem | NLD |
| Uniclean Steam Cleaner | Unimarine International BV - Eflochem | NLD |
| Uniclean Tank / Separating | Unimarine International BV - Eflochem | NLD |
| Unipol | UNITOR 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 | UNITOR Chemicals AS | NOR |

ANNEX 11

Bio-fuels recognized under the *Guidelines for the carriage of blends of petroleum oil and bio-fuels* (MEPC.1/Circ.761/Rev.1):

Fatty Acid Methyl Esters (FAME)*

Vegetable oils

Ethyl alcohol

Alkanes (C10-C26), linear and branched with a flashpoint >60°C

Alkanes (C10-C26), linear and branched with a flashpoint ≤60°C

Alkanes (C5-C7), linear and branched†

Alkanes (C10-C17), linear and branched†

Tert-Amyl ethyl ether†

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

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