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MEPC.2/Circ.18
17 December 2012

PROVISIONAL CATEGORIZATION OF LIQUID SUBSTANCES

1 Introduction

1.1 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 Annexes 1 to 4 provide lists of noxious liquid substances (NLS) with associated categories and minimum carriage requirements which have been established through Tripartite Agreements and registered with the Secretariat in accordance with the regulation referred to above. Annexes 5 to 8 and 11 are intended to facilitate the reporting of Tripartite Agreements and the interpretation of abbreviations used in annexes 1 to 4.

- annex 1:** List 1: Pure or technically pure 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:** Bio-fuels recognized under the *2011 Guidelines for the carriage of blends of petroleum oil and bio-fuels*.

3 Observations related to the annexes

3.1 Language

3.1.1 As seen in the lists, most products are trade-named substances shipped under n.o.s. entries. Since trade-names are not translated, the products are entered as notified and the lists are issued in English only.

3.2 Shading

3.2.1 **Amendments** made to the Product Lists (annexes 1 to 5) relative to the previous circular are identified by shading in the field in which a change has been made.

3.3 List 1: Pure or technically pure products (annex 1)

3.3.1 List 1 entries retained for this circular comprise of the following elements:

- all tripartite entries showing an expiry date (including new notifications received throughout the past year; and
- entries having "all countries/no expiry date" but which were either finalized after adoption of the 2009 amendments to the IBC Code or were included in the 2009 amendments of the IBC Code but for which changes have subsequently been agreed as reflected in their List 1 profiles.

3.3.2 Included in the latter category, a second batch of new data on electrical equipment (columns i', i'' and i''') for a number of products listed in chapter 17 of the IBC Code (where this information has previously been missing) are also now incorporated into List 1. These products are additional to the first batch of amendments introduced in this context which were featured in MEPC.2/Circ.17. For these new entries, which were agreed at BLG 16 and MEPC 64, it should be noted that only the information presented for column i has been shaded in order to highlight these products.

3.3.3 For **products marked (*)**, this indicates that with reference to chapter 21 of the IBC Code (paragraph 21.1.3), deviations from the normal assignment criteria used for some carriage requirements have been implemented. Currently, this is applicable only to ammonium chloride solution (less than 25%), cesium formate solution and sodium bromide solution (less than 50%).

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

3.4.1 For List 2, it should be noted that in addition to the new entries, a small number of other product amendments have been introduced relative to the entries shown in MEPC.2/Circ.17 (based on a reassignment of "contains" names or product withdrawal).

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

3.5.1 Similarly, for List 3, it should be noted that there have also been a few deletions relative to the entries noted in MEPC.2/Circ.17 based on a decision not to submit tripartite agreements reaching their expiry date for evaluation.

3.6 Country and Territory Codes (annex 7)

3.6.1 The list of country and territory abbreviations mirrors that used in the Global Integrated Shipping Information System (GISIS), which is based on the UN/Locode, a geographic code scheme, developed and maintained by the UNECE, a Unit of the United Nations. These codes are listed in annex 7: Part 1 of the annex presents entries by Code order whilst Part 2 gives a listing by Country/Territory order.

3.7 Cleaning additives (annex 10)

3.7.1 MARPOL Annex II regulations for the discharge of Noxious Liquid Substances, include restrictions on the types of cleaning additives allowed to 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."

3.7.2 All cleaning additives evaluated by the BLG Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals (ESPH) and found to meet the requirements of paragraph 13.5.2 of the MARPOL Annex II are consolidated into annex 10 of the MEPC.2/Circular.

3.7.3 In line with the decision taken by the Marine Environment Protection Committee at its fifty-sixth session, cargo tank cleaning additives which were submitted before 1 January 2007 and were evaluated through MEPC/Circ.363 have now ceased to be valid. Accordingly, all cargo tank cleaning additives presented in annex 10 as meeting the requirements of regulation 13.5.2 of MARPOL Annex II have been evaluated in accordance with the revised guidelines as set out in MEPC.1/Circ.590.

3.7.4 In order to facilitate any future liaison with additive producers that may be required, a record of the Administrations having submitted cleaning additives on behalf of the manufacturers is included for all product entries to annex 10.

3.8 Blends of petroleum oil and bio-fuels

3.8.1 As agreed at BLG 15, annex 11 has been introduced into the MEPC.2/Circular to record all bio-fuels approved for bio-fuel/petroleum oil blends as covered by the *2011 Guidelines for the carriage of blends of petroleum oil and bio-fuels* which are set out in MEPC.1/Circ.761. Further products have now been added to this annex and annex 11 accordingly lists the eight bio-fuel products which are currently recognized under these Guidelines.

4 Notification of new entries

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

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

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

4.3 For hard copies with **candidates for List 2**, the preferred method is to notify **one product per page in the following format:**

| | |
|---|---|
| Reporting Country | : |
| Manufacturer | : |
| Tradename | : |
| List Number | : |
| Contains Name | : |
| Pollution Category (Cat) | : |
| Ship Type (ST) | : |
| n.o.s. Number | : |
| Melting Point (°C) (Mpt) | : |
| Flash Point (c.c., °C) (Fpt) | : |
| Viscosity @ 20°C (mPa.s) (V ₂₀) | : |

Note: Incomplete data on a substance will result in the submission being delayed while the application is returned to the originator for further review.

4.4 For products being notified as **candidates for List 1, 3 or 4**, the format shown in appendix 3 of the annex to MEPC.1/Circ.512 is preferred.

4.5 While stressing the importance of correct data being supplied to the Secretariat, it should be noted in particular that, when proposing a product for Lists 2 and 4, the component responsible for the greatest pollution potential should be specified following the word "Contains" in the Shipping Name. Such a component is that with the highest value obtained from the calculation of % x component factor. 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 (see MEPC.1/Circ.512). The name used for the component(s) should be one of those appearing in chapter 17 or 18 of the IBC Code or those in List 1 or 5 of this circular as available.

4.6 It should also be pointed out that any cargo 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. 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 in preference to generic entries when both options are available to describe a bulk liquid cargo.

4.7 When shipping a pollution hazard only mixture, the appropriate n.o.s. entry in the IBC Code, together with the tradename 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+)) S.T. 2, Cat. Y

4.8 The Master of a type 2 ship certified to carry n.o.s. (5) products would then know that he can accept the cargo without concern as to fire, toxicity and other safety hazards and that, in the event of an accidental spill, he could report the name of the substance responsible for the pollution to the coastal State authorities.

5 Tripartite contact addresses

5.1 In accordance with the MEPC resolution on Tripartite Agreements, resolution MEPC.109(49), Administrations are requested to note that contact points which 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 It would, therefore, be appreciated if Administrations could verify that information included in annex 8 of this circular is correct and supply any useful additional information, for example, e-mail addresses, as appropriate. As the Secretariat has only been supplied with the addresses listed, those Administrations which have not supplied any focal point address are requested to do so. **In this respect, it should be noted that the tripartite agreement contact points are now available through the GISIS database and that any amendments required may be effected directly by the Administration concerned.**

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

| Product Name | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O |
|---|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|---|
| Acrylic acid / ethenesulfonic acid copolymer with phosphonate groups, sodium salt solution | | All countries | | None | Z | P | 3 | 2G | Open | No | - | - | Yes | O | No | ABC | No | |
| Alcohol (C12-C13, branched and linear) poly-(4-8) propoxy sulfates, sodium salt 25-30% solution | DEU | BHS, CAN, CYM, GBR, ITA, LBR, MYS, NLD, NOR, PAN, SGP, USA | 01/10/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | AC | Yes | 15.12, 15.17, 15.19, 16.2.9 |
| Alcohols (C12+), primary, linear | | All countries | | None | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6, 16.2.9 |
| Alkanes (C6-C9) | | All countries | | None | X | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Iso- and cyclo-alkanes (C10-C11) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Iso- and cyclo-alkanes (C12+) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | |
| Alkanes (C10-C26), linear and branched (flashpoint≤60°C) | USA | BHS, CAN, CHN, CYM, DEU, DNK, FIN, GBR, HKG, IRL, ISL, ITA, JPN, KOR, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PHL, SAU, SGP, SWE | 26/01/11 | 17/12/14 | Y | S/P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | ABC | No | 15.19.6 |
| Alkanes(C10-C26), linear and branched, (flashpoint >60°C) | | All countries | | None | Y | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6 |
| n-Alkanes (C10+) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Alkenoic acid, polyhydroxy ester borated | | 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 |
| Alkyl acrylate-vinylpyridine copolymer in toluene | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIB | No | R | F | A | No | 15.19.6, 16.2.9 |
| Alkyl (C3-C4) benzenes | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6 |
| Alkyl (C8-C9) phenylamine in aromatic solvents | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIB | No | R | F | A | No | 15.19.6 |
| Alkyl(C12-C16) propoxyamine ethoxylate | | All countries | | None | X | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | AC | Yes | 15.12, 15.17, 15.19, 16.2.6 |
| Alkyl (C18+) toluenes | | All countries | | None | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.9 |
| Alkyl(C18-C28)toluenesulfonic acid | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12, 15.17, 15.19, 16.2.6, 16.2.9 |
| Alkyl(C18-C28)toluenesulfonic acid, calcium salts, borated | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 |
| Alkyl (C18-C28) toluenesulfonic acid, calcium salts, low overbase | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 |
| Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 |

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

| Product Name | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O |
|---|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|---|
| Aluminium chloride/Hydrogen chloride solution | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | NF | C | T | No | Yes | 15.11, 15.12, 15.17, 15.19 |
| 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 |
| Ammonium chloride solution (less than 25%) (*) | | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | NF | O | No | No | No | |
| Ammonium sulphide solution (45% or less) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T4 | IIB | No | C | FT | A | Yes | 15.12, 15.17, 15.19, 16.6.1, 16.6.2, 16.6.3 |
| Amyl acetate (all isomers) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| n-Amyl alcohol | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | AB | No | |
| Amyl alcohol, primary | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | AB | No | |
| sec-Amyl alcohol | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | AB | No | |
| tert-Amyl alcohol | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | |
| tert-Amyl ethyl ether | | All countries | | None | Z | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | ABC | No | 15.19.6 |
| tert-Amyl methyl ether | | All countries | | None | X | P | 2 | 2G | Cont | No | T2 | IIB | No | R | F | A | No | 15.19.6 |
| Aviation alkylates (C8 paraffins and iso-paraffins BPT 95 - 120°C) | | All countries | | None | X | P | 2 | 2G | Cont | No | T4 | IIA | No | R | F | B | No | 15.19.6 |
| Bio-fuel blends of Diesel/gas oil and Alkanes (C10-C26), linear and branched with a flashpoint >60°C (>25% but <99% by volume) | | All countries | | None | X | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12, 15.17, 15.19.6 |
| Bio-fuel blends of Diesel/gas oil and Alkanes (C10-C26), linear and branched with a flashpoint ≤ 60°C (>25% but <99% by volume) | | All countries | | None | X | S/P | 2 | 2G | Cont | No | T3 | IIA | No | C | FT | ABC | No | 15.12, 15.17, 15.19.6 |
| Bio-fuel blends of Diesel/gas oil and FAME (>25% but <99% by volume) | | All countries | | None | X | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12, 15.17, 15.19.6 |
| Bio-fuel blends of Diesel/gas oil and vegetable oil (>25% but <99% by volume) | | All countries | | None | X | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12, 15.17, 15.19.6 |
| Bio-fuel blends of Gasoline and Ethyl alcohol (>25% but <99% by volume) | | All countries | | None | X | S/P | 2 | 2G | Cont | No | T3 | IIA | No | C | FT | A | 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 |
| Bis(2-propylheptyl)phthalate | SWE | BEL, BHS, CYP, DEU, DNK, ESP, GBR, ITA, LBR, MHL, MLT, NLD, NOR, PAN, PRT, SGP, TUR | 19/10/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | T2 | - | Yes | R | T | AB | No | 15.12.3, 15.12.4, 15.19.6, 16.2.6 |

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

| Product Name | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O |
|--|-----|---------------|--------------|-------------|-----|-----|------|----|------|----|----|-----|------|---|----|-----|-----|-------------------------------------|
| Butyl acetate (all isomers) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| tert-Butyl alcohol | | All countries | | None | Z | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | A | No | |
| Butylamine (all isomers) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T2 | IIA | No | R | FT | A | Yes | 15.12, 15.17, 15.19.6 |
| Butylbenzene (all isomers) | | All countries | | None | X | P | 2 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6 |
| Butyl butyrate (all isomers) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | A | No | 15.19.6 |
| Butyl methacrylate | | All countries | | None | Z | S/P | 3 | 2G | Cont | No | T1 | IIA | No | R | FT | AD | No | 15.13, 15.19.6, 16.6.1, 16.6.2 |
| n-Butyl propionate | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Calcium alkaryl sulphonate (C11-C50) | | All countries | | None | Z | S/P | 3 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19 |
| Calcium alkyl (C10-C28) salicylate | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | R | T | ABC | No | 15.12.3, 15.12.4, 15.19.6, 16.2.9 |
| Calcium carbonate slurry | | All countries | | None | OS | | NA | | | | | | | | | | | |
| Calcium long-chain alkyl phenate sulphide (C8-C40) | | All countries | | None | Y | S/P | 2 | 2G | Open | No | | | Yes | O | No | ABC | No | 15.19.6, 16.2.6 |
| Calcium long-chain alkyl (C18-C28) salicylate | | 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 |
| Camelina oil | | All countries | | None | Y | S/P | 2(k) | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6 |
| Cashew nut shell oil (untreated) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | | | Yes | R | T | AB | No | 15.19.6, 16.2.6, 16.2.9 |
| Cesium formate solution (*) | | All countries | | None | Y | S/P | 3 | 2G | Open | No | - | - | NF | O | No | No | No | 15.19.6 |
| Chlorohydrins (crude) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T3 | IIA | No | C | FT | A | No | 15.12, 15.19 |
| m-Chlorotoluene | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T4 | IIA | No | R | FT | AB | No | 15.19.6 |
| o-Chlorotoluene | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | R | FT | AB | No | 15.19.6 |
| p-Chlorotoluene | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | R | FT | AB | No | 15.19.6, 16.2.9 |
| Chlorotoluenes (mixed isomers) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T4 | IIA | No | R | FT | AB | No | 15.19.6 |
| Crude Hazelnut Oil | TUR | ITA | 04/08/10 | 17/12/13 | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6, 16.2.9 |
| Cycloheptane | | All countries | | None | X | P | 2 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6 |
| Cyclohexane | | All countries | | None | Y | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6, 16.2.9 |
| Cyclohexyl acetate | | All countries | | None | Y | P | 3 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6 |
| 1,3-Cyclopentadiene dimer (molten) | | All countries | | None | Y | P | 2 | 2G | Cont | No | T1 | IIB | No | R | F | A | No | 15.19.6, 16.2.6, 16.2.9 |
| Cyclopentane | | All countries | | None | Y | P | 2 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Cyclopentene | | All countries | | None | Y | P | 2 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| p-Cymene | | All countries | | None | Y | P | 2 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Decahydronaphthalene | | All countries | | None | Y | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | AB | No | 15.19.6 |
| Decene | | All countries | | None | X | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

| Product Name | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O |
|--|-----|---|--------------|-------------|-----|-----|----|----|------|-------|----|-----|------|---|----|-----|-----|-----------------------------------|
| Decyl/Dodecyl/Tetradecyl alcohol mixture | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | R | T | ABC | No | 15.12.3, 15.12.4, 15.19.6, 16.2.9 |
| Diacetone alcohol | | All countries | | None | Z | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | A | No | |
| Dialkyl (C9 - C10) phthalates | | All countries | | None | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6 |
| Dialkyl thiophosphates sodium salts solution | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | R | T | AC | No | 15.12.3, 15.12.4, 15.19.6, 16.2.9 |
| Dibutyl terephthalate | | All countries | | None | Y | P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.9 |
| 3,4-Dichloro-1-butene | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | C | FT | ABC | Yes | 15.12.3, 15.17, 15.19.6 |
| 1,6-Dichlorohexane | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | R | T | AB | No | 15.19.6 |
| 1,1-Dichloropropane | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T4 | IIA | No | R | FT | AB | No | 15.12, 15.19.6 |
| Dichloropropene/Dichloropropane mixtures | | All countries | | None | X | S/P | 2 | 2G | Cont | No | T2 | IIA | No | C | FT | ABD | Yes | 15.12, 15.17, 15.18, 15.19 |
| Dicyclopentadiene, Resin Grade, 81-89% | | All countries | | None | Y | S/P | 2 | 2G | Cont | Inert | T2 | IIB | No | C | FT | ABC | Yes | 15.12, 15.13, 15.17, 15.19 |
| Diethylbenzene | | All countries | | None | Y | P | 2 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Di- (2-ethylhexyl) terephthalate | USA | ARE, ARG, AUS, BEL, BHS, BRA, CHN, CYM, CYP, DEU, EGY, FRA, GBR, GRC, HKG, IND, ITA, JPN, KOR, KWT, LBR, MHL, MYS, NLD, NOR, PAN, PHL, SAU, SGP, SWE, TUR, VCT, VUT | 19/03/10 | 17/12/13 | X | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6 |
| Diisobutylamine | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T4 | IIB | No | R | FT | ACD | No | 15.12.3, 15.19.6 |
| Diisobutylene | | All countries | | None | Y | P | 2 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Diisobutyl ketone | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Dimethylamine solution (greater than 45% but not greater than 55%) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T2 | IIB | No | C | FT | ACD | Yes | 15.12, 15.17, 15.19 |
| Dimethylamine solution (greater than 55% but not greater than 65%) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T2 | IIB | No | C | FT | ACD | Yes | 15.12, 15.14, 15.17, 15.19 |
| N,N-Dimethylcyclohexylamine | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T3 | IIB | No | R | FT | AC | No | 15.12, 15.17, 15.19.6 |
| Dipentene | | All countries | | None | Y | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Di-n-propylamine | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T3 | IIB | No | R | FT | A | No | 15.12.3, 15.19.6 |
| Disulfide Oil | USA | CYM, HKG, LBR, NOR, PHL, QAT, SGP | 23/06/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | R | F | ABC | No | 15.12.3, 15.19 |
| Dodecane (all isomers) | | All countries | | None | Y | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | AB | No | 15.19.6 |

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

| Product Name | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O |
|--|-----|---------------|--------------|-------------|-----|-----|------|----|------|-------|----|-----|------|---|--------|-----|-----|---|
| n-Dodecyl Mercaptan | BEL | CAN, GBR, SGP | 17/03/11 | 17/12/14 | X | S/P | 1 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12, 15.17, 15.19 |
| Dodecyl/Octadecyl methacrylate mixture | | All countries | | None | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | A | No | 15.13, 15.19.6, 16.2.6, 16.6.1, 16.6.2 |
| Epichlorohydrin | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T2 | IIB | No | C | FT | A | Yes | 15.12, 15.17, 15.19 |
| 2-Ethoxyethyl acetate | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Ethoxylated tallow amine (> 95%) | | 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 |
| Ethyl acetate | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | AB | No | |
| Ethylamine solutions (72% or less) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T2 | IIA | No | C | FT | AC | Yes | 15.12, 15.14, 15.17, 15.19 |
| Ethyl amyl ketone | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Ethylbenzene | | All countries | | None | Y | P | 2 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Ethyl tert-butyl ether | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIB | No | R | F | A | No | 15.19.6 |
| Ethyl butyrate | | All countries | | None | Y | P | 3 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6 |
| Ethylcyclohexane | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6 |
| N-Ethylcyclohexylamine | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T3 | IIB | No | R | FT | A | No | 15.19.6 |
| Ethylene glycol monoalkyl ethers | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | T2 | IIB | No | R | F | A | No | 15.19.6, 16.2.9 |
| Ethyl-3-ethoxypropionate | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | No | A | No | 15.19.6 |
| 2-Ethylhexylamine | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T3 | IIA | No | R | FT | A | No | 15.12, 15.19.6 |
| Ethylidene norbornene | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T3 | IIB | No | R | FT | AD | No | 15.12.1, 15.19.6 |
| Ethyl propionate | | All countries | | None | Y | P | 3 | 2G | Open | No | T1 | IIA | No | R | F | A | No | 15.19.6 |
| 2-Ethyl-3-propylacrolein | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | T3 | IIA | No | R | FT | A | No | 15.19.6, 16.2.9 |
| Ethyl toluene | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6 |
| Fatty acids, (C8-C10) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | R | T | ABC | No | 15.12.3, 15.12.4, 15.19, 16.2.6, 16.2.9 |
| Fatty acids, (C12+) | | 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, 16.2.9 |
| Formic acid (85% or less acid) | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | R | T(g) | A | Yes | 15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.12.4, 15.19.6, 16.2.9 |
| Formic acid (over 85%) | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | T1 | IIA | No | R | FT (g) | A | Yes | 15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.12.4, 15.19.6, 16.2.9 |
| Formic acid mixture (containing up to 18% propionic acid and up to 25% sodium formate) | | All countries | | None | Z | S/P | 3 | 2G | Cont | No | - | - | Yes | R | T(g) | AC | No | 15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.12.4, 15.19.6 |
| Glycerol ethoxylated | | All countries | | None | OS | | NA | | | | | | | | | | | |
| 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 |

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 |
|---|-----|---|--------------|-------------|-----|-----|------|----|------|-------|----|-----|------|---|----|-----|-----|-------------------------------------|
| Heptane (all isomers) | | All countries | | None | X | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6, 16.2.9 |
| Heptanol (all isomers) (d) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Heptene (all isomers) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6 |
| Hexamethylenediamine (molten) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | AC | Yes | 15.12, 15.17, 15.18, 15.19, 16.2.9 |
| Hexamethyleneimine | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T4 | IIB | No | R | FT | AC | No | 15.19.6 |
| Hexane (all isomers) | | All countries | | None | Y | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Hexene (all isomers) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Hexyl acetate | | All countries | | None | Y | P | 2 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Isoamyl alcohol | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | AB | No | |
| Isobutyl alcohol | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | AB | No | |
| Isobutyl formate | | All countries | | None | Z | P | 3 | 2G | Cont | No | T4 | IIA | No | R | F | AB | No | |
| Isobutyl methacrylate | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.12, 15.13, 15.17, 16.6.1, 16.6.2 |
| Isopropyl acetate | | All countries | | None | Z | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | AB | No | |
| Isopropylamine (70% or less) solution | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T2 | IIA | No | C | FT | CD | Yes | 15.12, 15.19.6, 16.2.9 |
| Isopropylcyclohexane | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6, 16.2.9 |
| Isopropyl ether | | All countries | | None | Y | S/P | 3 | 2G | Cont | Inert | T2 | IIA | No | R | F | A | No | 15.4.6, 15.13.3, 15.19.6 |
| Jatropha oil | | All countries | | None | Y | P | 2(k) | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6 |
| Lauric acid methyl ester/myristic acid methyl ester mixture | USA | BEL, BHS, CYM, GBR, HKG, LBR, MHL, NLD, NOR, PAN, SGP | 28/11/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | R | T | ABC | Yes | 15.12.3, 15.12.4, 15.19.6 |
| Ligninsulphonic acid, magnesium salt solution | | All countries | | None | Z | P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | |
| Maleic anhydride-sodium allylsulfonate copolymer solution | | All countries | | None | Z | P | 3 | 2G | Open | No | - | - | Yes | O | No | ABC | No | |
| Metam sodium solution | | All countries | | None | X | S/P | 2 | 2G | Cont | No | - | - | NF | C | T | No | Yes | 15.12, 15.17, 15.19 |
| Methacrylonitrile | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | C | FT | A | Yes | 15.12, 15.13, 15.17, 15.19 |
| 3-Methoxy-1-butanol | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | |
| Methyl acetate | | All countries | | None | Z | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | A | No | |
| Methyl alcohol | | All countries | | None | Y | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | A | No | 15.19.6 |
| Methylamine solutions (42% or less) | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T2 | IIA | No | C | FT | ACD | Yes | 15.12, 15.17, 15.19 |
| Methylamyl acetate | | All countries | | None | Y | P | 2 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Methylamyl alcohol | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

| Product Name | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O |
|---|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|------|-----|-------------------------------------|
| Methyl amyl ketone | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| N-Methylaniline | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | R | T | ABC | No | 15.12.3, 15.12.4, 15.19.6 |
| alpha-Methylbenzyl alcohol with acetophenone (15% or less) | | 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 |
| Methylbutenol | | All countries | | None | Y | P | 3 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6, 16.2.9 |
| Methyl tert-butyl ether | | All countries | | None | Z | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | AB | No | |
| Methyl butyl ketone | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | AB | No | 15.19.6 |
| Methylbutynol | | All countries | | None | Z | P | 3 | 2G | Cont | No | T4 | IIB | No | R | F | A | No | |
| Methyl butyrate | | All countries | | None | Y | P | 3 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6 |
| Methylcyclohexane | | All countries | | None | Y | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Methylcyclohexanemethanol (crude) | USA | AUS, CYM, GBR, LBR, SGP | 11/05/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19 |
| Methylcyclopentadiene dimer | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIB | No | R | F | B | No | 15.19.6 |
| 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 |
| Methyl 3-(3,5 di-tert-butyl-4-hydroxyphenyl)propionate crude melt | SGP | BEL, CHN, HKG, ITA, LBR, NLD, NOR, PAN, USA | 23/07/10 | 17/12/13 | Y | P | 2 | 2G | Open | No | T2 | IIA | Yes | O | No | ABC | No | 15.19.6, 16.2.9 |
| Methyl ethyl ketone | | All countries | | None | Z | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | A | No | |
| Methyl formate | | All countries | | None | Z | S/P | 2 | 2G | Cont | No | T1 | IIA | No | R | FT | A | Yes | 15.12, 15.14, 15.19 |
| 2-Methylglutaronitrile with 2-Ethylsuccinonitrile (12% or less) | | All countries | | None | Z | S | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19 |
| 2-Methyl-2-hydroxy-3-butyne | | All countries | | None | Z | S/P | 3 | 2G | Cont | No | T3 | IIA | No | R | FT | ABD | No | 15.19.6, 16.2.9 |
| Methyl isobutyl ketone | | All countries | | None | Z | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | AB | No | |
| 2-Methyl-1,5-pentanediamine | USA | BEL, CHN, CYM, GBR, HKG, KOR, LBR, MHL, NLD, NOR, PAN, SGP, THA | 16/09/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | AC | Yes | 15.12.3, 15.12.4, 15.17, 15.19 |
| 2-Methylpyridine | | All countries | | None | Z | S/P | 2 | 2G | Cont | No | T1 | IIA | No | C | F | A | No | 15.12.3, 15.19.6 |
| 3-Methylpyridine | | All countries | | None | Z | S/P | 2 | 2G | Cont | No | T1 | IIA | No | C | F | AC | No | 15.12.3, 15.19 |
| 4-Methylpyridine | | All countries | | None | Z | S/P | 2 | 2G | Cont | No | T1 | IIA | No | C | FT | A | No | 15.12.3, 15.19, 16.2.9 |
| Microsilica slurry | | All countries | | None | OS | | NA | | | | | | | | | | | |
| Myrcene | | All countries | | None | X | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6, 16.2.9 |
| Nitroethane | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | T2 | IIB | No | R | FT | A(f) | No | 15.19.6, 16.6.1, 16.6.2, 16.6.4 |
| Nitroethane(80%)/ Nitropropane(20%) | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | T2 | IIB | No | R | FT | A(f) | No | 15.19.6, 16.6.1, 16.6.2, 16.6.3 |

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 |
|---|-----|---|--------------|-------------|-----|-----|----|----|------|-------|----|-----|------|---|----|------|-----|---|
| Nitroethane, 1-Nitropropane (each 15% or more) mixture | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | T2 | IIB | No | R | F | A | No | 15.19.6, 16.2.6, 16.6.1, 16.6.2, 16.6.3 |
| Nitropropane (60%)/Nitroethane (40%) mixture | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | T4 | IIB | No | R | FT | A(f) | No | 15.19.6 |
| Nonane (all isomers) | | All countries | | None | X | P | 2 | 2G | Cont | No | T4 | IIA | No | R | F | BC | No | 15.19.6 |
| Nonene (all isomers) | | All countries | | None | Y | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Octamethylcyclotetrasiloxane | | All countries | | None | Y | P | 2 | 2G | Cont | No | T2 | IIA | No | R | F | AC | No | 15.19.6, 16.2.9 |
| Octane (all isomers) | | All countries | | None | X | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Octene (all isomers) | | All countries | | None | Y | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Octyl aldehydes | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIB | No | R | F | A | No | 15.19.6, 16.2.9 |
| n-Octyl Mercaptan | BEL | CAN, SGP, USA | 17/03/11 | 17/12/14 | X | S/P | 1 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19 |
| Olefin Mixture (C7-C9) C8 rich, stabilised | | All countries | | None | X | S/P | 2 | 2G | Cont | No | T3 | IIB | No | R | F | ABC | No | 15.13, 15.19.6 |
| Olefin mixtures (C5-C7) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Olefin mixtures (C5-C15) | | All countries | | None | X | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| alpha-Olefins (C6-C18) mixtures | | All countries | | None | X | P | 2 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6, 16.2.9 |
| Orange juice (concentrated) | | All countries | | None | OS | | NA | | | | | | | | | | | |
| Orange juice (not concentrated) | | All countries | | None | OS | | NA | | | | | | | | | | | |
| Palm kernel fatty acid distillate | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | R | T | ABC | No | 15.19.6, 16.2.6, 16.2.9 |
| Parachlorobenzotriflouride | USA | CAN, CHN, CYM, GBR, HKG, ITA, LBR, MHL, NOR, PAN, PHL | 02/08/12 | 17/12/15 | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | R | F | ABC | No | 15.19.6 |
| Paraldehyde-ammonia reaction product | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T4 | IIB | No | C | FT | A | No | 15.12.3, 15.19 |
| 1,3-Pentadiene | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | T1 | IIA | No | R | FT | AB | No | 15.13, 15.19.6, 16.6.1, 16.6.2, 16.6.3 |
| 1,3-Pentadiene (greater than 50%), cyclopentene and isomers, mixtures | | All countries | | None | Y | S/P | 2 | 2G | Cont | Inert | T3 | IIB | No | C | FT | ABC | Yes | 15.12, 15.13, 15.17, 15.19 |
| Pentane (all isomers) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.14, 15.19.6 |
| Pentene (all isomers) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.14, 15.19.6 |
| n-Pentyl propionate | | All countries | | None | Y | P | 3 | 2G | Cont | No | T4 | IIA | No | R | F | A | No | 15.19.6 |
| Phosphate esters, alkyl (C12-C14) amine | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIB | No | R | F | A | No | 15.19.6, 16.2.6, 16.2.9 |
| Phosphorus containing polyamine acid | GBR | DNK, NLD, NOR | 16/03/11 | 17/12/14 | Y | P | 3 | 2G | Open | No | - | - | Yes | O | No | ABC | No | |
| alpha-Pinene | | All countries | | None | X | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| beta-Pinene | | All countries | | None | X | P | 2 | 2G | Cont | No | T4 | IIB | No | R | F | A | No | 15.19.6 |

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

| Product Name | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O |
|---|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|-------------------------------------|
| Piperazine(70% or less) | USA | ARE, BEL, CHN, CYM, CYP, GBR, GRC, HKG, IND, JPN, LBR, MHL, MLT, NLD, NOR, PAN, RUS, SGP | 16/11/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | AC | Yes | 15.12, 15.17, 15.19, 16.2.6, 16.2.9 |
| Polyalkyl (C18-C22) acrylate in xylene | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIB | No | R | F | AB | No | 15.19.6, 16.2.6, 16.2.9 |
| Polyalkylalkenaminesuccinimide, molybdenum oxysulphide | | All countries | | None | Y | P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6 |
| Poly(ethylene glycol) methylbutenyl ether (MW>1000) | | All countries | | None | Z | P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | 16.2.9 |
| Polymeric amine in aliphatic hydrocarbons | DEU | BEL, BHS, CHN, CYM, CYP, DNK, GBR, GRC, HKG, IDN, ITA, KOR, LBR, MHL, MLT, NLD, NOR, PAN, SGP, TUR, USA | 04/04/12 | 17/12/15 | Y | S/P | 2 | 2G | Open | No | - | - | Yes | C | T | ABC | No | 15.12.3, 15.12.4, 15.19.6, 16.2.6 |
| Polyolefin amide alkeneamine polyol | | All countries | | None | Y | P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6, 16.2.9 |
| Polyolefinamine in alkyl (C2-C4) benzenes | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIB | No | R | F | A | No | 15.19.6, 16.2.6, 16.2.9 |
| Polyolefinamine in aromatic solvent | | All countries | | None | Y | P | 2 | 2G | Cont | No | T4 | IIB | No | R | F | A | No | 15.19.6, 16.2.6, 16.2.9 |
| Polysiloxane | | All countries | | None | Y | P | 3 | 2G | Cont | No | T4 | IIB | No | R | F | AB | No | 15.19.6, 16.2.9 |
| Potassium chloride solution (less than 26%) | | All countries | | None | OS | | NA | | | | | | | | | | | |
| 2-Propene-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer solution | | All countries | | None | Y | S/P | 3 | 2G | Open | No | - | - | NF | O | No | No | No | 15.19.6 |
| Propionaldehyde | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | T4 | IIB | No | R | FT | A | Yes | 15.17, 15.19.6 |
| n-Propyl acetate | | All countries | | None | Y | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | AB | No | 15.19.6 |
| n-Propyl alcohol | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Propylbenzene (all isomers) | | All countries | | None | Y | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |
| Propylene glycol methyl ether acetate | | All countries | | None | Z | P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | |
| Propylene glycol monoalkyl ether | | All countries | | None | Z | P | 3 | 2G | Cont | No | T3 | IIA | No | R | F | AB | No | |
| Propylene tetramer | | All countries | | None | X | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |
| Propylene trimer | | All countries | | None | Y | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6 |

TRIPARTITE AGREEMENTS
List 1: Pure or technically pure products

| Product Name | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O |
|--|-----|--|--------------|-------------|-----|-----|----|----|------|-------|----|-----|------|---|----|-----|-----|--|
| Renewable Aviation Fuel | FIN | BEL, BHS, DEU, DNK, GBR, HKG, IDN, LBR, MLT, NLD, NOR, PAN, PRT, SGP, SWE | 23/02/12 | 17/12/15 | Y | S/P | 2 | 2G | Cont | Inert | T3 | IIA | No | R | F | ABC | No | 15.19 |
| Renewable Naphtha | FIN | BEL, BHS, DEU, DNK, GBR, HKG, ITA, LBR, LUX, MLT, NLD, NOR, PAN, PRT, SGP, SWE | 29/11/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | T3 | IIA | No | C | FT | ABC | No | 15.12, 15.17, 15.19.6 |
| Salt of Polyamino carboxylic acid | GBR | DNK, NLD, NOR | 16/03/11 | 17/12/14 | Z | P | 3 | 2G | Open | No | - | - | Yes | O | No | ABC | No | |
| 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 | |
| Sodium Aluminate Solution | USA | BEL, BHS, CHE, CHN, CYM, CYP, DEU, DNK, ESP, FRA, GBR, GRC, HKG, ITA, JPN, LBR, MEX, MHL, MLT, NLD, NOR, PAN, PHL, SGP | 27/06/11 | 17/12/14 | Z | S/P | 3 | 2G | Open | No | - | - | NF | O | No | AC | No | 15.19.6 |
| Sodium bicarbonate solution (less than 10%) | | All countries | | None | OS | | NA | | | | | | | | | | | |
| Sodium bromide solution (less than 50%) (*) | | All countries | | None | Y | S/P | 3 | 2G | Open | No | - | - | NF | R | No | No | No | 15.19.6 |
| Sodium carboxylate solution | BEL | ATG, CYP, DEU, DNK, LUX, NLD, NOR | 31/01/11 | 17/12/14 | Y | P | 2 | 2G | Open | No | - | - | Yes | O | No | AC | No | 15.19.6 |
| Sodium hydrosulphide/Ammonium sulphide solution | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T4 | IIB | No | C | FT | A | Yes | 15.12, 15.14, 15.17, 15.19, 16.6.1, 16.6.2, 16.6.3 |
| Sodium methylate 21-30% in methanol | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | C | FT | AC | Yes | 15.12, 15.17, 15.19, 16.2.6(only if >28%), 16.2.9 |
| Tall oil, crude | | All countries | | None | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6 |
| Tall oil pitch | | All countries | | None | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6,16.2.6 |
| Tall oil soap, crude | FIN | DNK, MHL, MLT, NOR, SGP, USA | 26/01/11 | 17/12/14 | Y | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6 |
| Toluene | | All countries | | None | Y | P | 3 | 2G | Cont | No | T1 | IIA | No | R | F | A | No | 15.19.6 |
| Triethyl phosphite | | All countries | | None | Z | S/P | 3 | 2G | Cont | No | T3 | IIA | No | R | FT | AB | No | 15.12.1, 15.19.6, 16.2.9 |
| Trimethylamine solution (30% or less) | | All countries | | None | Z | S/P | 2 | 2G | Cont | No | T3 | IIB | No | C | FT | AC | Yes | 15.12, 15.14, 15.19, 16.2.9 |
| Trimethylbenzene (all isomers) | | All countries | | None | X | P | 2 | 2G | Cont | No | T1 | IIA | No | R | F | A | No | 15.19.6 |
| 1,3,5-Trioxane | | All countries | | None | Y | S/P | 3 | 2G | Cont | No | T2 | IIB | No | R | F | AD | No | 15.19.6, 16.2.9 |

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 |
|--|-----|---------------|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|----|----|--------------------------------|
| Turpentine | | All countries | | None | X | P | 2 | 2G | Cont | No | T1 | IIA | No | R | F | A | No | 15.19.6 |
| Vinyltoluene | | All countries | | None | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | R | F | AB | No | 15.13, 15.19.6, 16.6.1, 16.6.2 |
| White spirit, low (15-20%) aromatic | | All countries | | None | Y | P | 2 | 2G | Cont | No | T3 | IIA | No | R | F | A | No | 15.19.6, 16.2.9 |
| Wood lignin with sodium acetate/oxalate | | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | NF | O | No | No | No | |
| Xylenes | | All countries | | None | Y | P | 2 | 2G | Cont | No | T1 | IIA | No | R | F | A | No | 15.19.6, 16.2.9 (h) |
| Xylenes/ethylbenzene (10% or more) mixture | | All countries | | None | Y | P | 2 | 2G | Cont | No | T2 | IIA | No | R | F | A | No | 15.19.6 |

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 |
| 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 |
| Escaid 110 | 7 | Iso- and cycloalkanes (C12+) | BEL | 18/09/06 | Y | 3 | | ExxonMobil |

TRIPARTITE AGREEMENTS

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

| Tradename | n.o.s. | Contains | Rep | Receive Date | Cat | ST | Remark | Company |
|--------------------------|--------|---------------------------------|-----|--------------|-----|----|--------|---------------------------------|
| Escaid 110 Special Fluid | 7 | iso- & cycloalkanes (C12+) | SGP | 25/04/11 | Y | 3 | | ExxonMobil |
| Escaid 120 | 7 | Iso- and cycloalkanes (C12+) | BEL | 18/09/06 | Y | 3 | | ExxonMobil |
| Escaid 120ULA | 7 | Iso- & cyclo- Alkanes (C12+) | BEL | 14/12/12 | 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 100 | 7 | Alkyl (C5-C8) benzenes | BEL | 01/09/06 | Y | 3 | | ExxonMobil |
| Exxsol D 100 S | 7 | Alkyl (C5-C8) benzenes | BEL | 01/09/06 | 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 |
| Exxsol D95 | 9 | iso-& cycloalkanes (C12+) | SGP | 25/01/11 | Z | 3 | | ExxonMobil Asia Pacific Pte Ltd |

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 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 |
| 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 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 |
| 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 |

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 |
|-----------------|--------|-------------------------------------|-----|--------------|-----|----|----------------|----------------------|
| 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 | 9 | Iso- and cycloalkanes (C12+) | BEL | 01/09/06 | Z | 3 | | ExxonMobil |
| Isopar M | 9 | Iso- and cycloalkanes (C12+) | BEL | 01/09/06 | Z | 3 | | ExxonMobil |
| ISO-PROPYLOL | 11 | Isopropyl alcohol | ZAF | 12/01/07 | Z | NA | | SASOL |
| KALCOL 1260 | 5 | Dodecyl alcohol | MYS | 10/11/06 | Y | 2 | | Fatty Chemical (MYS) |
| KALCOL 2465 | 5 | Dodecyl alcohol | USA | 14/06/06 | Y | 2 | | Fatty Chemical (MYS) |
| KALCOL 2470 | 5 | Dodecyl alcohol | USA | 14/06/06 | Y | 2 | | Fatty Chemical (MYS) |
| LI 36 | 8 | Pentane (all isomers) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| LI 200 | 6 | White Spirit, low (15-20%) aromatic | FIN | 08/05/08 | Y | 2 | | Neste Oil |
| LI 220 HF | 5 | White Spirit, low (15-20%) aromatic | FIN | 08/05/08 | Y | 2 | | Neste Oil |
| LIAV 75 | 6 | Hexane (all isomers) | FIN | 08/05/08 | Y | 2 | | Neste Oil |
| LIAV 110 | 4 | Heptane (all isomers) | FIN | 08/05/08 | X | 2 | | Neste Oil |
| LIAV 200 | 8 | Iso- and cyclo-alkanes (C10-C11) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| LIAV 230 | 7 | Iso- and cyclo-alkanes (C10-C11) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| LIAV 250 | 7 | Iso- and cyclo-alkanes (C10-C11) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| LIAV 270 | 7 | Iso- and cyclo-alkanes (C12+) | FIN | 08/05/08 | Y | 3 | | Neste Oil |
| LIAV 300 | 7 | Iso- and cyclo-alkanes (C12+) | FIN | 08/05/08 | Y | 3 | | Neste Oil |

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

TRIPARTITE AGREEMENTS

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

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

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

TRIPARTITE AGREEMENTS

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

| Tradename | n.o.s. | Contains | Rep | Receive Date | Cat | ST | Remark | Company |
|-----------------------|--------|---|-----|--------------|-----|----|----------------|--------------------------------------|
| OLOA 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 |
| 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 8241 | 9 | Maleic anhydride - sodium allylsulfonate copolymer (aqueous solution) | NOR | 06/10/10 | Z | 3 | | Clariant Oil Services Scandinavia AS |

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 |
|----------------------|--------|---|-----|--------------|-----|----|----------------|---------------------------------|
| 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 |
| 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 |
| STOCK 22012 | 5 | Mineral oil | USA | 30/09/06 | Y | 2 | High Viscosity | Lubrizol |
| Varsol 30 | 3 | Alkanes (C6-C9) | BEL | 18/09/06 | X | 2 | | ExxonMobil |
| Varsol 40 | 5 | Alkyl (C3-C4) benzenes | BEL | 18/09/06 | Y | 2 | | ExxonMobil |
| Varsol 60 | 3 | Alkyl (C5-C8) benzenes | BEL | 18/09/06 | X | 2 | | ExxonMobil |
| Varsol 80 | 3 | Alkyl (C5-C8) benzenes | BEL | 18/09/06 | X | 2 | | ExxonMobil |
| Varsol 120 | 7 | Alkyl (C5-C8) benzenes | BEL | 01/09/06 | Y | 3 | | ExxonMobil |
| Varsol 140 | 7 | Alkyl (C9+) benzenes | BEL | 01/09/06 | Y | 3 | | ExxonMobil |
| Waxtreat 3553 | 5 | Alkyl (C3-C4) benzenes | NOR | 14/08/08 | Y | 2 | | Clariant Oil Services |
| 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 |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|---------------------------------|---|-----|--|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|--|------------------------|
| Antifreeze Preparation | Ethylene glycol | BRA | BHS, HKG, MHL, MLT, NLD, NOR, PAN, PHL, SGP | 07/12/11 | 17/12/14 | Y | S/P | 3 | 2G | Cont | No | T2 | IIA | No | C | FT | AC | No | 15.12, 15.17, 15.19.6 | Alcotra do Brasil Ltda |
| 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 |
| BK Gasoline | Benzene and 1,3-Cyclopentadiene dimer (molten) | ITA | BEL, FRA, GBR, NLD, USA | 23/04/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | C | FT | A | No | 15.12.1, 15.13, 15.17, 15.19.6, 16.2.6, 16.2.9, 16.6.1, 16.6.2 | Polimeri Europa |
| BK Reformed/Platformed Gasoline | 1,3-Cyclopentadiene dimer (molten) and styrene | ITA | BEL, FRA, GBR, NLD, USA | 23/04/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | T3 | IIB | No | C | FT | A | No | 15.12.1, 15.13, 15.17, 15.19.6, 16.2.6, 16.2.9, 16.6.1, 16.6.2 | Polimeri Europa |
| 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 |
| 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 |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|------------------|---|-----|---|--------------|-------------|-----|-----|----|----|------|-------|----|-----|------|---|----|-----|-----|---------------------------|-------------------|
| 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 | 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 |
| CGW80742 | Methyl Alcohol and Heterocyclic Quaternary Ammonium Salt | GBR | QAT, VCT | 24/08/10 | 17/12/13 | X | S/P | 2 | 2G | Cont | No | T2 | IIB | No | C | FT | ABC | No | 15.12, 15.17, 15.19 | Baker Hughes |
| 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 |
| CTC Crude Type A | Carbon Tetrachloride | GBR | BEL, CHE, CHN, CYM, CYP, DEU, DNK, FRA, GRC, HKG, IND, ITA, LBR, LUX, MHL, MLT, NLD, NOR, PAN, PHL, SGP, USA, VUT | 08/09/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | - | - | NF | C | T | No | Yes | 15.12, 15.17, 15.19 | Ineos ChlorVinyls |
| 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 |
| 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 |
| EC 1575A | Tall oil, diethylenetriamine imidazonline | GBR | NOR | 05/07/11 | 17/12/14 | Y | S/P | 2 | 2G | Open | No | - | - | Yes | C | No | AC | Yes | 15.12.3, 15.19.6 | Nalco Ltd |
| EC1602A | Benzyl-(C12-C16 liner 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 |
| EC6671A | Methyl Alcohol | GBR | DNK, ITA, NLD, NOR | 29/09/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | T1 | IIA | No | C | FT | A | Yes | 15.12, 15.19.6 | Nalco |
| EC9360A | Ethoxylated Alkyl Sulfate | GBR | DNK, ITA, NLD, NOR | 29/09/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | AC | Yes | 15.12.3, 15.19, 16.2.6 | Nalco |
| EC9378A | Low odour paraffin solvent | GBR | DNK, ITA, NLD, NOR | 29/09/11 | 17/12/14 | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | R | T | AC | No | 15.12.3, 15.19.6, 16.2.6 | Nalco |
| EC9398A | Low odour paraffin solvent | GBR | DNK, ITA, NLD, NOR | 29/09/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | R | T | AC | No | 15.12.3, 15.19.6, 16.2.6 | Nalco |
| EC9660A | Ethoxylated Alkyl Sulfate | GBR | DNK, ITA, NLD, NOR | 29/09/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | AC | Yes | 15.12.3, 15.19, 16.2.6 | Nalco |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|---------------------|--|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|----------|-----|--|-----------------------|
| EDC | Ethylene Dichloride | USA | BEL, CYM, CYP, GBR, GRC, HKG, MEX, MHL, MLT, NLD, NOR, PAN, SGP | 19/04/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | T2 | IIA | No | C | FT | ABC | No | 15.12, 15.17, 15.19 | Dow Chemical Company |
| EEHC1 | Triethylene glycol | GBR | DNK, NLD, NOR | 22/06/11 | 17/12/14 | Z | S/P | 3 | 2G | Open | No | - | - | Yes | R | No | AC | No | 15.19.6 | Nalco |
| EPT-2492 | | NOR | GBR, NLD | 24/06/11 | 17/12/14 | 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 | M-I SWACO Norway |
| Ethanol/Bitrex Fuel | Ethanol/Bitrex Fuel | NOR | GBR, NLD | 15/08/11 | 17/12/14 | Y | S/P | 3 | 2G | Cont | No | T2 | IIA | No | R | F | AC | No | 15.19.6 | Statoil AS |
| Fraction C6 | Benzene | ITA | BEL, FRA, GBR, MLT, NLD, USA | 23/04/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | T3 | IIB | No | C | FT | A | No | 15.12.1, 15.13, 15.17, 15.19.6, 16.2.6, 16.2.9, 16.6.1, 16.6.2 | Polimeri Europa |
| Fraction C7 | Toluene | ITA | BEL, FRA, GBR, NLD, USA | 23/04/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | T1 | IIB | No | C | FT | A | No | 15.12.1, 15.13, 15.17, 15.19.6, 16.2.6, 16.2.9, 16.6.1, 16.6.2 | Polimeri Europa |
| Fraction TX | Toluene | ITA | BEL, FRA, GBR, NLD, NOR, USA | 23/04/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | T1 | IIB | No | C | FT | A | No | 15.12.1, 15.13, 15.17, 15.19.6, 16.2.6, 16.2.9, 16.6.1, 16.6.2 | Polimeri Europa |
| Gypton SA 3360 | Hydrochloric acid | NOR | GBR, NLD | 06/12/11 | 17/12/14 | Y | S/P | 3 | 2G | Open | No | - | - | NF | O | No | No | No | 15.11, 15.19.6 | Champion Technologies |
| Gypton SA1360 | Hydrochloric acid | NOR | GBR, NLD | 05/08/11 | 17/12/14 | Z | S/P | 3 | 2G | Cont | No | - | - | Yes | C | No | ABC D | No | 15.11 | Champion Technologies |
| Gypton SA1650 | Ethylene glycol | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Champion Technologies |
| Gypton SA1660 | Ethylene glycol | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | | | Yes | O | No | AC | No | | Champion Technologies |
| Gypton SA3050 | Ethylene glycol | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Champion Technologies |
| Gypton SA3070 | Ethylene glycol | NOR | GBR, NLD | 05/08/11 | 17/12/14 | Y | S/P | 3 | 2G | Cont | No | - | - | NF | C | No | ABC D | No | 15.19.6 | Champion Technologies |
| Gypton SA3120 | Ethylene glycol and 2-Propene-1-aminium,N,N-dimethyl-N-2-propenyl-,chloride, homopolymer | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | 16.2.9 | Champion Technologies |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|------------------------------|--|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|----|--|-----------------------|
| Gypton SA3130 | Ethylene glycol and 2-Propene-1-aminium,N,N-dimethyl-N-2-propenyl-,chloride, homopolymer | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Champion Technologies |
| Gypton SA3190 | Ethylene glycol monoalkyl ethers | NOR | All countries | | None | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | AC | No | | Champion Technologies |
| Gypton 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 |
| Gypton 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 |
| Heavy aromatics HVA 9B | Naphthalene (molten) and Poly(2+)cyclic aromatics | GBR | BHS, CHL, CYM, DNK, HKG, IDN, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PHL, SGP | 08/09/11 | 17/12/14 | X | S/P | 2 | 2G | Cont | No | - | - | Yes | C | FT | ABC | No | 15.12.3, 15.19.6 | Petrochem Carless |
| Heavy aromatics HVA 9C | Naphthalene (molten) and Poly(2+)cyclic aromatics | GBR | BHS, CHL, CYM, DNK, HKG, IDN, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PHL, SGP | 08/09/11 | 17/12/14 | X | S/P | 2 | 2G | Cont | No | T2 | IIA | No | C | FT | ABC | No | 15.12.3, 15.19.6 | Petrochem Carless |
| Heavy aromatics HVA 9K | Naphthalene (molten) and Poly(2+)cyclic aromatics | GBR | BHS, CHL, CYM, DNK, HKG, IDN, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PHL, SGP | 08/09/11 | 17/12/14 | X | S/P | 2 | 2G | Cont | No | - | - | Yes | C | FT | ABC | No | 15.12.3, 15.19.6 | Petrochem Carless |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|------------------------|--|-----|---|--------------|-------------|-----|-----|----|----|------|-------|----|-----|------|---|----|-----|-----|--|-------------------|
| Heavy aromatics HVA 9V | Naphthalene (molten) and Poly(2+)cyclic aromatics | GBR | BHS, CHL, CYM, DNK, HKG, IDN, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PHL, SGP | 08/09/11 | 17/12/14 | X | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12.3, 15.19.6 | Petrochem Carless |
| Heavy aromatics HVA 9W | Naphthalene (molten) and Poly(2+)cyclic aromatics | GBR | BHS, CHL, CYM, DNK, HKG, IDN, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PHL, SGP | 08/09/11 | 17/12/14 | X | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12.3, 15.19.6 | Petrochem Carless |
| Heavy aromatics HVA 9Y | Naphthalene (molten) and Poly(2+)cyclic aromatics | GBR | BHS, CHL, CYM, DNK, HKG, IDN, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PHL, SGP | 08/09/11 | 17/12/14 | X | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12.3, 15.19.6 | Petrochem Carless |
| Heavy aromatics HVA 9Z | Naphthalene (molten) and Poly(2+)cyclic aromatics | GBR | BHS, CHL, CYM, DNK, HKG, IDN, LBR, MHL, MLT, MYS, NLD, NOR, PAN, PHL, SGP | 08/09/11 | 17/12/14 | X | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12.3, 15.19.6 | Petrochem Carless |
| HIW81233 | Ethylene glycol monoalkyl ethers | GBR | QAT, VCT | 07/12/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | No | 15.12.3, 15.12.4, 15.19 | Baker Hughes |
| 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 |
| 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 |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|----------------|--|-----|--|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|------------------------------|-----------------|
| LUBAD 1798 | Alkyl (C18-C28) toluene sulfonic acid, calcium salts, high overbase; Polyolefin amide alkeneamine polyol and mineral oil | | 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 |
| 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 70179 | Zinc alkyl dithiophosphate (C3-C14) | 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 | 10/06/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 15.19.6 | Lubrizol |

TRIPARTITE AGREEMENTS

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

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

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|-------------------|--|-----|--|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-------------------------------------|----------|
| Lubrizol 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 |
| LUBRIZOL FM2600TL | Calcium long chain alkyl phenate sulphide (C8-C40) and Mineral oil | 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, VUT, ZAF | 28/11/11 | 17/12/14 | 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 |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|-------------------------|--|-----|--|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|------------------------------|----------------------|
| Lubrizol PV 1023 | Alkenyl (C11+) amide | 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 | 23/06/11 | 17/12/14 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 15.19.6 | Lubrizol |
| Methoxypolyglycol Basic | Tetraethylene Glycol Monomethyl Ether | USA | BEL, CYM, CYP, GBR, GRC, HKG, MHL, MLT, NLD, NOR, PAN, SGP | 22/09/10 | 17/12/13 | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | C | T | A | Yes | 15.12, 15.17, 15.19 | Dow Chemical Company |
| MP Cresol 45 | Cresols (all isomers) | ZAF | CYM, LBR, USA | 02/03/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | AB | Yes | 15.12, 15.17, 15.19 | Merisol, Sasolburg |
| 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 Solvents |
| 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) toluenesulfonic 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 760SA | Alkyl (C18-C28) toluenesulfonic 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 |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|-------------|---|-----|--|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|-------------------------------------|---------|
| OLOA 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) 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 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) 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 48014 | Calcium long-chain alkyl (C18-C28) salicylate/Zinc alkyl dithiophosphate (C3-C14) in mineral oil | FRA | BHS, CYM, GBR, HKG, JPN, KOR, LBR, MYS, NOR, PHL, SGP, USA | 29/04/11 | 17/12/14 | 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 |
| 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 |
| OLOA 49888 | Alkyl (C18-C28) toluenesulfonic acid, calcium salts, high overbase, Calcium long-chain alkyl phenate sulphide (C8-C40) and mineral oil | USA | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Chevron |
| OLOA 50908 | Calcium long-chain alkyl salicylate (C13+) | FRA | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Chevron |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|------------|--|-----|---------------|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-----------------------------|-----------------|
| OLOA 54000 | 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 55501 | Alkyl (C18-C28) toluenesulfonic acid, calcium salts, high overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil | SGP | All countries | | None | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Chevron |
| OLOA 58000 | Alkyl (C18-C28) 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 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) 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 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 |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|--------------------|---|-----|--|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|---|-----|-----|-----------------------------|-------------------|
| OLOA 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) toluenesulfonic acid, calcium salts, low overbase, Zinc alkyl dithiophosphate (C3-C14) and mineral oil | FRA | BHS, CYM, DZA, GBR, HKG, JPN, LBR, NOR, PAN, PHL, SGP, USA | 19/09/12 | 17/12/15 | Y | S/P | 2 | 2G | Cont | No | - | - | Yes | C | T | ABC | Yes | 15.12, 15.17, 15.19, 16.2.6 | Chevron |
| 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 |
| 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 | Akyl(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 |
| Petroscreen SC 16D | Ethylene glycol | GBR | BEL, BHS, BRA, CYP, LBR, NOR, PAN, SGP | 12/05/11 | 17/12/14 | Y | S/P | 3 | 2G | Cont | No | T2 | IIA | No | C | F | AC | No | 15.12, 15.19.6 | Petrochem Carless |
| 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 |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|---------------------|---|-----|---|--------------|-------------|-----|-----|----|----|------|----|----|-----|------|---|----|-----|-----|--|--------------------------------------|
| Plasticizer 32567 | Bis-(2-ethylhexyl) terephthalate | USA | NLD, NOR | 13/10/10 | 17/12/13 | X | S/P | 2 | 2G | Open | No | - | - | Yes | O | No | ABC | No | 15.19.6, 16.2.6 | Eastman Chemical Company |
| 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 |
| 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 |
| 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 |
| Scaletreat SD 12392 | Acetic acid | NOR | GBR, NLD | 03/12/12 | 17/12/15 | Z | S/P | 3 | 2G | Cont | No | - | - | Yes | R | No | AC | No | 15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19.6, 16.2.9 | Champion Technologies |
| SCALETREAT TP 8385 | Ethylene glycol | NOR | GBR, NLD | 18/05/11 | 17/12/14 | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | C | No | ABC | No | 15.19.6, 16.2.6 | Clariant Oil Services |
| SCALETREAT XL36 | Calcium chloride | NOR | GBR, NLD | 27/01/11 | 17/12/14 | Z | S/P | 3 | 2G | Cont | No | - | - | Yes | R | No | ABC | No | 15.19.6 | 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 |
| SI-4113 | Propylene glycol | NOR | GBR, NLD | 10/09/10 | 17/12/13 | Z | S/P | 3 | 2G | Open | No | - | - | Yes | O | No | A | No | | MI-SWACO |
| 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 | Ethylene glycol monoalkyl ethers and Alkanes (C10-C26), linear and branched | NOR | GBR, NLD | 16/11/11 | 17/12/14 | Y | S/P | 3 | 2G | Cont | No | - | - | Yes | R | No | ABC | No | 15.19.6 | Clariant Oil Services |
| SOLVTREAT 3062 | Ethylene glycol monoalkyl ethers | NOR | GBR, NLD | 16/11/11 | 17/12/14 | Z | S/P | 3 | 2G | Cont | No | - | - | NF | R | No | No | No | | Clariant Oil Services |

TRIPARTITE AGREEMENTS

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

| Trade Name | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | D | ST | F | G | H | I' | I'' | I''' | J | K | L | N | O | Company |
|------------------|---|-----|---|--------------|-------------|-----|-----|----|----|------|-------|----|-----|------|---|----|-----|-----|-------------------------------------|---|
| Solvtrat 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 |
| SURFOM CS 5015 | Ethoxylated tallow amine | BRA | ARG, BHS, GBR, HKG, ITA, LBR, MLT, NLD, NOR, PAN, PHL, SGP, USA | 26/10/10 | 17/12/13 | 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 |
| Ucarsol | Piperazine (70% or Less) | USA | ARE, CYM, CYP, GBR, GRC, HKG, LBR, MHL, MLT, NLD, NOR, PAN, SGP | 01/04/11 | 17/12/14 | 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 Company |
| 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 | Ethylene Glycol | NOR | BEL, BHS, BRA, CAN, CHN, CYP, DEU, DNK, ESP, FIN, FRA, GBR, GRC, HKG, ITA, JPN, LBR, MHL, MLT, NLD, PAN, PRT, SGP, SWE, USA | 30/05/11 | 17/12/14 | Y | S/P | 3 | 2G | Cont | No | T2 | IIA | No | C | FT | AC | No | 15.12, 15.17, 15.19.6 | Vertical |
| VX8925 | Alkyl (C3-C4) Benzenes and Naphthalene Molten | GBR | QAT, VCT | 24/08/10 | 17/12/13 | Y | S/P | 2 | 2G | Cont | No | T2 | IIB | No | C | FT | ABC | No | 15.12, 15.17, 15.19.6 | Nalco |

TRIPARTITE AGREEMENTS

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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

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| Tradename | n.o.s. | Contains | Rep | Countries | Receive Date | Expiry Date | Cat | ST | Remark | Company |
|--------------------------------------|--------|---|-----|--|--------------|-------------|-----|----|----------------|----------------------------|
| MCP Solvent | 6 | Methyl cyclopentane and hexane | KOR | CHN, PAN | 27/08/12 | 17/12/15 | Y | 2 | | Bu Ahn (Republic of Korea) |
| Polyoxyalkylene Polyol Blend | 5 | Propoxylated polyols | NLD | BEL, BHS, CYP, GBR, GRC, HKG, LBR, MHL, MLT, NOR, PAN, SGP, TUR, USA | 06/06/11 | 17/12/14 | Y | 2 | High Viscosity | DOW (Netherlands) |
| Used Cooking Oil of Vegetable Origin | 5 | Triglycerides of fatty acids, chain length (C6-C24) | NLD | BEL, BGR, CHN, CYP, DEU, DNK, ESP, FRA, GBR, ITA, KOR, MLT, NOR, PAN, ROU, SGP, TUR, USA | 12/09/12 | 17/12/15 | Y | 2 | | Fuelstreamers SA |

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 |
| Polyether, borated | 0 | NR | 3 | 1 | | D | 2 |
| Sodium methylate | (0) | (R) | (2) | NI | T | DE | 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

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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 Desgommee (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

MEPC.2/Circ.18
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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 | Cape 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.18
Annex 7
17 December 2012
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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 |
| KHM | Cambodia | GMB | Gambia |
| CMR | Cameroon | GEO | Georgia |
| CAN | Canada | DEU | Germany |
| CPV | Cape Verde | 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 |
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| 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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Authorized by Germany for Degussa AG

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|---|--|--------------------------|
| AC Clean 1 JT | TriStar Industries BV | NLD |
| AC Clean 24 | Tristar Industries BV | NLD |
| Accell Clean | Advanced BioCatalytics Corp. | USA |
| Accell Clean 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 |
| 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 S. | Blutec srl | ITA |
| 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 |
| 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 |

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| AQUAQUICK 2000 SP | AQUAQUICK EUROPE | DEU |
| 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 |
| 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 |
| Careclean AF | Marine Care BV | NLD |
| Careclean Alkaline | Marine Care BV | NLD |
| Careclean Alkaline Extra | Marine Care BV | NLD |
| Careclean Alkaline Safety | Marine Care BV | NLD |
| Careclean Aquawash (Teepol) | Marine Care BV | NLD |
| Careclean Buffer | Marine Care BV | NLD |
| Careclean 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 Foro HD | Marine Care BV | NLD |
| Careclean GP Enviro | Marine Care BV | NLD |
| Careclean Inhibitor Killer/Lead Cleaner | Marine Care BV | 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 Rust | Marine Care BV | NLD |
| Careclean Super Degreaser | Marine Care BV | NLD |
| Careclean Voyage (Seaclean) | Marine Care BV | NLD |
| Caretank ECO | Marine Care BV | NLD |
| Caretank ECO Extra | Marine Care BV | NLD |

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|----------------------------------|------------------------------|--------------------------|
| Cement Remover | MARICHEM MARIGASES Worldwide | GRC |
| Chemalyt 146 | Henkel Belgium N.V. | BEL |
| CHEMTEC Solvent Degreaser | CHEMTECH Chemicals GmbH | DEU |
| CHEMTEC ZnHCR | CHEMTEC Chemicals GmbH | DEU |
| Chemtec-HCK | CHEMTEC Chemicals GmbH | DEU |
| CHLOR 12% | UNISERVICE S.A. | ITA |
| CITRUS CLEAN | ALPHA MARINE SOLUTIONS | USA |
| Clean Break | UNI Americas LLC | USA |
| Cleanbreak | Blutec srl | ITA |
| Coal Tar Remover | Vecom Marine Alliance BV | NLD |
| COAL TAR REMOVER | CHEMO SA | GRC |
| Coaltar Remover | WVT Industries N.V. | BEL |
| COLD WASH | UNISERVICE S.A. | ITA |
| Cold Wash C. | Blutec srl | ITA |
| Cold Wash HD | UNI Americas LLC | USA |
| CP Alka HD | CHEMTEC Chemicals GmbH | DEU |
| CP LEAD CLEAN | CP METAL CHEMICALS | NLD |
| CP Metal HD | ALPHA MARINE SOLUTIONS | 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 |
| DREW ABD | Drew Marine | USA |
| Drew BC | DREW MARINE | USA |
| DREW NBD | Drew Marine | USA |
| 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 | Vecom Marine Alliance BV | NLD |
| Ecoclean | UNI Americas LLC | USA |
| ECOCLEAN | UNISERVICE S.A. | ITA |
| ECOSOLUT 14 Marine | OTI Greentech AG | CHE |

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|--|-----------------------------------|--------------------------|
| 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 |
| 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-CLEAN SAFETY | ERTEK KIMYA TIC. VE SAN. LTD. STI | TUR |
| ER-OGR | 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 |

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| Fresh Force Kleen | CHEMO | GRC |
| Genepol | UNI Americas LLC | USA |
| Genepol | Blutec srl | ITA |
| GENEPOL | UNISERVICE S.A. | ITA |
| General Cleaning & Solvent | MARICHEM MARIGASES Worldwide | GRC |
| GP Degreaser | VECOM | NLD |
| GP Enviro | VECOM | NLD |
| Grato 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 |
| HAIZEN S-100 | KAO CORP. | JPN |
| HD ALKALINE | ALPHA MARINE SOLUTIONS | USA |
| HD Tank Cleaner | WVT Industries N. V. | BEL |
| Hexaclean 3126 Alkaline Cleaner | A.I.M. Chemical Industries Pte Ltd | SGP |
| Hexaclean 3221 MP Detergent | A.I.M. Chemical Industries Pte Ltd | SGP |
| Hexaclean 3235 Water-Based Rigclean | A.I.M. Chemical Industries Pte Ltd | SGP |
| Hexaclean 3414 Heavy Duty Degreaser | A.I.M. Chemical Industries Pte Ltd | SGP |
| HOLDBRITE | CHEMO SA | GRC |
| HOLDBRITE XF | CHEMO SA | GRC |
| Hydrocarbon Remover | UNI Americas LLC | USA |
| HYDROCARBON X | ALPHA MARINE SOLUTIONS | USA |
| 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 | CHEMTECH 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 | CHEMTECH 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 |

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| 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 CO - 1 | Teco Chemicals AS | NOR |
| MARCLEAN H60 | Teco Chemicals AS | NOR |
| MarClean MB (Metal Bright) | Teco Chemicals AS | NOR |
| MARCLEAN SC | Teco Chemicals AS | NOR |
| 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 |
| 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 |
| 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 |

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| NAVACLEAN 860 - SEACLEAN GP | NAVADAN APS | DNK |
| NAVACLEAN 873 - RUST & STAIN REMOVER | NAVADAN APS | DNK |
| NAVACLEAN 888 - SEACLEAN | NAVADAN APS | DNK |
| NAVACLEAN 897 - IGS CLEANER | NAVADAN APS | DNK |
| NAVACLEAN 897 (CON) - IGS CLEANER | NAVADAN APS | DNK |
| NAVAFLOR 812 | NAVADAN APS | DNK |
| NEUTRAL CLEANER | MARICHEM MARIGASES Worldwide | GRC |
| Neutral HCF | Star marine Chemicals B.V. | NLD |
| NEUTRAL HCF CLEANER | CHEMO SA | GRC |
| NOHYCAS (hydro carbon cleaner) | For Frame | NLD |
| Novaclean 300 marine | Henkel Belgium N.V. | BEL |
| Novaclean 400 marine | Henkel Belgium N.V. | BEL |
| Novoclean 200 marine | Henkel Belgium N.V. | BEL |
| OCN - 01 Alkaline Cleaner | OCN Marine Chemicals | CHL |
| OCN - 02 Alkaline Safety | OCN Marine Chemicals | CHL |
| OCN - 03 Eco-Cleaner | OCN Marine Chemicals | CHL |
| OCN - 04 Maxpol | OCN Marine Chemicals | CHL |
| OCN - 05 Sea Clean (Tank Cleaner) | OCN Marine Chemicals | CHL |
| Oil & Sludge Remover | CHEMO | GRC |
| OIL AND GREASE REMOVER | Marichem Marigases Worldwide Services | GRC |
| OIL AND GREASE REMOVER HD 999 | MARICHEM MARIGASES Worldwide | GRC |
| Oil Spill Dispersant Type 1 | VECOM | NLD |
| P3 - GRATOSOL | CP METAL CHEMICALS | NLD |
| P3 grato 14BNL | Henkel Belgium N.V. | BEL |
| 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 Twiinstart | 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 Off | UNI Americas LLC | USA |
| Rust Remover | Vecom Marine Alliance B.V. - The Netherlands | NLD |
| 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 | UNI Americas LLC | USA |

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| SEACLEAN | UNISERVICE S.A. | ITA |
| Seaclean Voyage | VECOM | NLD |
| SHIP 101 SEACLEAN | Shipdan Aps | DNK |
| SHIP 102 ALKALINE PHS | Shipdan Aps | DNK |
| SHIP 103 ALKALINE | Shipdan Aps | DNK |
| SHIP 105 HYDROCARBON REMOVER | Shipdan Aps | DNK |
| SHIP 106 TEEPOL | Shipdan Aps | DNK |
| SHIP 107 NEUTRAL CLEANING | Shipdan Aps | DNK |
| SHIP 108 SOOT REMOVER | Shipdan Aps | DNK |
| SHIP 109 SOLVENT | Shipdan Aps | DNK |
| SHIP 110 ALKALINE SAFETY | Shipdan Aps | DNK |
| SHIP 111 WATERBASED NEUTRAL HCF | Shipdan Aps | DNK |
| SHIP 114 BUFFER | Shipdan Aps | DNK |
| 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 |
| 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 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 Buffer | Vecom Marine Alliance BV | NLD |
| Tankclean HCF | VECOM | NLD |
| Tankclean HCF Eco | Vecom Marine Alliance B.V. - The Netherlands | NLD |
| Tankclean HD Split | Vecom Marine Alliance BV | NLD |
| Tankclean Neutral | Vecom Marine Alliance BV | NLD |
| TankCleaner | Star Marine Chemicals BV | NLD |
| Tankleen Advance | UNITOR Chemicals AS | NOR |

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| Tankleen Bright | UNITOR Chemicals AS | NOR |
| TANKLEEN SWIFT | Unitor Chemicals AS | NOR |
| TANKLEEN TAR | Unitor Chemicals AS | NOR |
| 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 - Norway | NOR |
| Teco Potassium (Potassium Hydroxide) | Teco Chemicals AS - Norway | 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 DRASTIC | UNISERVICE S.A. | ITA |
| UNICLEAN GP | UNISERVICE S.A. | ITA |
| Uniclean HD | VECOM | NLD |
| Uniclean HD | UNI Americas LLC | USA |
| Uniclean IG | UNI Americas LLC | USA |
| 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 *2011 Guidelines for the carriage of blends of petroleum oil and bio-fuels*:

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.

Tert-Amyl ethyl ether^{*}

Renewable Aviation Fuel^{*}

Renewable Naphtha^{*}

*

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.