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MEPC.2/Circ.16
17 December 2010

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 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; and
- annex 10:** Cleaning additives.

3 Observations related to the annexes

3.1 Language

3.1.1 As seen in the lists, most products are trade-named substances under n.o.s. entries. Since 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 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 and List 4: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO (annex 2) and 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 4)

3.4.1 For Lists 2 and 4, it should be noted that a number of products have been deleted relative to the entries shown in MEPC.2/Circ.15 based on either a reassignment of these products to List 3 (having identified new safety concerns) or a decision to withdraw these products for shipment purposes.

3.5 Country and Territory Codes (annex 7)

3.5.1 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.

3.6 **Cleaning additives (annex 10)**

3.6.1 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."

3.6.2 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.

3.6.3 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 ceased to be valid from 1 August 2010. Any such products which are now still listed, have undergone a re-evaluation of the cleaning additives concerned, in accordance with the revised guidelines given in MEPC.1/Circ.590.

3.6.4 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 MEPC.1/Circ.590.

3.6.5 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.

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 Lists 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 Lists 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 chapters 17 or 18 of the IBC Code or those in Lists 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.

ANNEX 1

TRIPARTITE AGREEMENTS List 1: Pure or technically pure products

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Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
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(C10-C26), linear and branched		All countries		None	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	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(C12-C16) propoxamine 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
Alkyltoluenesulfonic acid (in mineral oil)	FRA	BHS, CYM, GBR, HKG, JPN, LBR, NOR, PAN, PHL, SGP, USA	21/09/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.11.1, 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 (<70% in mineral oil)	USA	AUS, BHS, CHN, CYM, DZA, FRA, GBR, GRC, HKG, JPN, LBR, MHL, NLD, NOR, PAN, PHL, SGP, TUR, VCT, VUT, ZAF	15/07/09	17/12/12	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 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 (18-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
Ammonium chloride solution (less than 25%) (*)		All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	
tert-Amyl ethyl ether (TAEE)	FIN	DNK, NOR, SWE	05/02/09	17/12/12	X	S/P	2	2G	Cont	No	T3	IIB	No	R	FT	A	No	15.12.3, 15.12.4, 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 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
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
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

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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
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	USA	BHS, CYM, HKG, LBR, MHL, NLD, NOR, PAN, SGP, VUT	03/06/08	17/12/11	X	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
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
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
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
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
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 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	ARG	FRA, MLT	23/04/09	17/12/12	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Jatropha oil		All countries		None	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Ligninsulphonic acid, magnesium salt solution		All countries		None	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
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
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

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Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O
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 Methylate Solution 21-30% in Methanol	DEU	ARG, AUS, BEL, BHS, BRA, CAN, CYM, ESP, FRA, GBR, HKG, IDN, JPN, LBR, MHL, MYS, NLD, NOR, PAN, PER, PHL, PRT, SGP, THA, USA, ZAF	05/09/08	17/12/11	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	A	Yes	15.12, 15.17, 15.19
Wood lignin with sodium acetate/oxalate		All countries		None	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	

ANNEX 2

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

Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
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
Alcoline	8	Mineral oil	BRA	09/04/08	Y	3		Greenenergy Fuels Limited
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
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
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
EPF S20	8	Alkanes (C6-C9)	SGP	25/09/06	Y	3		ExxonMobil
Epikote TN 1001-X-75	4	Diphenol propane epichlorohydrin resins	NLD	02/03/06	X	2		Hexion Spec. Ch. BV
Escaid 100	3	Alkyl (C5-C8) benzenes	BEL	18/09/06	X	2		ExxonMobil
Escaid 110	7	Iso- and cycloalkanes (C12+)	BEL	18/09/06	Y	3		ExxonMobil
Escaid 120	7	Iso- and cycloalkanes (C12+)	BEL	18/09/06	Y	3		ExxonMobil
Etamax B(s)	8	Mineral oil	SWE	14/05/07	Y	3		SEKAB BioFuels & Chemicals

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

Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
Etamax B(w)	8	Mineral oil	SWE	14/05/07	Y	3		SEKAB BioFuels & Chemicals
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 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 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 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

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Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
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
HYDROTREATED C5 (HTC5)	8	Pentane (all isomers)	GBR	14/05/07	Y	3		SABIC (UK)
Infineum D1688	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D3424	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D3434	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D1284	5	Zinc alkyl dithiophosphate (C3-C14)	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D1288	5	Zinc alkyl dithiophosphate (C3-C14)	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D1294	5	Mineral oil	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum D1640	5	Mineral oil	ITA	29/02/08	Y	2	High Viscosity	Infineum
Infineum D1642	5	Mineral oil	ITA	27/02/07	Y	2	High Viscosity	Infineum
Infineum D3348	5	Mineral oil	ITA	23/11/06	Y	2		Infineum
Infineum D3354	5	Mineral oil	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum D3356	5	Mineral oil	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum D3426	5	Mineral oil	ITA	26/10/07	Y	2	High Viscosity	Infineum
Infineum M7071	5	Mineral oil	SGP	26/09/06	Y	2		Infineum
Infineum M7081A	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum M7089	5	Mineral oil	SGP	26/09/06	Y	2		Infineum
Infineum M7090	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5066	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5151	5	Mineral oil	ITA	23/11/06	Y	2		Infineum
Infineum P5314	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5315	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5318	5	Mineral oil	ITA	29/02/08	Y	2	High Viscosity	Infineum

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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
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

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Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
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 alkyl phenate sulphide (C8-C40)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9297	5	Calcium 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 16005	5	Mineral oil	USA	05/12/07	Y	2	High Viscosity	Lubrizol
Lubrizol 16008	5	Mineral oil	USA	03/03/08	Y	2	High Viscosity	Lubrizol
Lubrizol 16010	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 16010J	5	Mineral oil	USA	26/06/07	Y	2	High Viscosity	Lubrizol
Lubrizol 16011L	5	Mineral oil	USA	06/06/08	Y	2	High Viscosity	Lubrizol
Lubrizol 16012	5	Alkenyl(C11+)amide	USA	26/03/10	Y	2	High Viscosity	Lubrizol
Lubrizol 17001	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 19010	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 20003K	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 20015	5	Alkenyl (C11+) amide	USA	21/09/07	Y	2	High Viscosity	Lubrizol
Lubrizol 21021	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 48007	5	Mineral oil	USA	11/02/10	Y	2	High Viscosity	Lubrizol
Lubrizol 70103	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol

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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 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
MOSSPAR 1925	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
MOSSPAR 2636	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
MOSSPAR H	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
MOSSPAR M	7	Iso- and cyclo-alkanes (C12+)	ZAF	27/12/06	Y	3		PetroSA
MOSSPEN 10	8	Pentane (all isomers)	ZAF	27/12/06	Y	3		PetroSA
MOSSTANOL 120	8	n-Propyl alcohol	ZAF	27/12/06	Y	3		PetroSA
MOSSTANOL L	11	Ethyl alcohol	ZAF	27/12/06	Z	NA		PetroSA
MOSSTANOL P	6	Cyclopentanol	ZAF	28/01/07	Y	2		PetroSA
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

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Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
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
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 49812	5	Mineral oil	USA	24/10/07	Y	2	High Viscosity	Chevron
OLOA 49813	5	Mineral oil	FRA	29/09/06	Y	2	High Viscosity	Chevron Oronite SA
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

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OLOA 54000	5	Mineral oil	FRA	14/03/08	Y	2	High Viscosity	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
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

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Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
Solvesso 100	5	Alkyl (C3-C4) benzenes	BEL	01/09/06	Y	2		ExxonMobil
STOCK 22012	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Varsol 30	3	Alkanes (C6-C9)	BEL	18/09/06	X	2		ExxonMobil
Varsol 40	5	Alkyl (C3-C4) benzenes	BEL	18/09/06	Y	2		ExxonMobil
Varsol 60	3	Alkyl (C5-C8) benzenes	BEL	18/09/06	X	2		ExxonMobil
Varsol 80	3	Alkyl (C5-C8) benzenes	BEL	18/09/06	X	2		ExxonMobil
Varsol 120	7	Alkyl (C5-C8) benzenes	BEL	01/09/06	Y	3		ExxonMobil
Varsol 140	7	Alkyl (C9+) benzenes	BEL	01/09/06	Y	3		ExxonMobil
Waxtreat 3553	5	Alkyl (C3-C4) benzenes	NOR	14/08/08	Y	2		Clariant Oil Services
Xylenes Concentrates	6	Ethylbenzene	GBR	30/09/06	Y	2		ExxonMobil
YA 266	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
YA 453	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
YA 464	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
AMINE DCT	Triethylenetetramine mixture	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	20/11/09	17/12/12	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19	Dow Chemical Company
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
CaCl2 Kill Pill	Calcium Chloride	NOR	GBR, NLD	03/12/09	17/12/12	Y	S/P	3	2G	Open	No	-	-	NF	O	No	AB	No	15.19.6, 16.2.9	Halliburton
Caromax 20	Alkyl (C3-C4) benzenes and Naphthalene	GBR	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
Caromax 20/45	Alkyl (C3-C4) benzenes and Naphthalene	GBR	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
Caromax 26	Methylnaphthalene and Poly (2+)cyclic aromatics	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
Caromax 28	Methynaphthalene and Poly (2+)cyclic aromatics	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
CAS 29/75	Methylnaphthalene and Poly (2+)cyclic aromatics	GBR	All countries		None	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Petrochem Carless
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

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
E85 VSS	Gasoline	NOR	DNK, NLD, SWE	27/04/09	17/12/12	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19	Vertical
E85 VWS	Gasoline	NOR	DNK, NLD, SWE	27/04/09	17/12/12	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19	Vertical
E90 (Fuelstreamers, Inc.)	Ethyl Alcohol (>25%) and petroleum gasoline	USA	CYM, GBR, HKG, LBR, MHL, MLT, NLD, NOR, PAN, PHL, SGP	05/08/10	17/12/13	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6	Fuelstreamers Inc.
E90 (Shell)	Ethyl Alcohol (>25%) and petroleum gasoline	USA	CYM, GBR, HKG, IRL, LBR, MHL, MLT, NLD, NOR, PAN, PHL, SGP	22/11/10	17/12/13	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6	Shell
EB-8061	Ethylene glycol phenyl ether/Diethylene glycol phenyl ether	NOR	GBR, NLD	31/08/09	17/12/12	Z	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 16.2.9	M-I SWACO
EB-8228	Xylene (mixed isomers)	NOR	GBR, NLD	17/12/09	17/12/12	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6	MI-SWACO
EB-8246	Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether)	NOR	GBR, NLD	17/12/09	17/12/12	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6	MI-SWACO
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
Epoxy Resin XZ-92742	Diglycidyl Ether of Bisphenol A	USA	ARG, AUS, BEL, BHS, BRA, CHN, CYM, CYP, DEU, FRA, GBR, GRC, HKG, IND, ITA, JPN, KOR, LBR, MHL, MYS, NLD, NOR, PAN, PHL, SGP, SWE, TUR, VCT, VUT	04/03/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9	The Dow Chemical Company

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Exxal 8	Octanol (all isomers)	USA	ARG, BHS, BRA, CAN, CHN, COL, CYM, DEU, FRA, GBR, GRC, HKG, ITA, JPN, KOR, LBR, LUX, MLT, MYS, NLD, NOR, PAN, PHL, SGP, VCT	20/07/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	No	A	No	15.11.5, 15.19	ExxonMobil
Exxal 9	Nonyl alcohol (all isomers)	USA	ARG, BHS, BRA, CAN, CHN, COL, CYM, DEU, FRA, GBR, GRC, HKG, ITA, JPN, KOR, LBR, LUX, MLT, MYS, NLD, NOR, PAN, PHL, SGP, VCT	20/07/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	No	A	No	15.11.5, 15.19	ExxonMobil
Exxal 10	Decyl alcohol (all isomers)	USA	ARG, BHS, BRA, CAN, CHN, COL, CYM, DEU, FRA, GBR, GRC, HKG, ITA, JPN, KOR, LBR, LUX, MLT, MYS, NLD, NOR, PAN, PHL, SGP, VCT	20/07/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	No	A	No	15.11.5, 15.19	ExxonMobil

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Exxal 13	Alcohols (C13+)	USA	ARG, BHS, BRA, CAN, CHN, COL, CYM, DEU, FRA, GBR, GRC, HKG, ITA, JPN, KOR, LBR, LUX, MLT, MYS, NLD, NOR, PAN, PHL, SGP, VCT	20/07/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	No	A	No	15.11.5, 15.19	ExxonMobil
Exxal L9	Nonyl alcohol (all isomers)	USA	ARG, BHS, BRA, CAN, CHN, COL, CYM, DEU, FRA, GBR, GRC, HKG, ITA, JPN, KOR, LBR, LUX, MLT, MYS, NLD, NOR, PAN, PHL, SGP, VCT	20/07/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	No	A	No	15.11.5, 15.19	ExxonMobil
Fraction C6	Benzene	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
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, 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

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
Gasoline Blending Component SG90	Gasoline	NLD	BHS, CYP, DNK, FIN, GBR, GEO, IRL, ITA, LUX, MHL, NOR, PAN, SGP, SWE, TUR	20/07/09	17/12/12	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19	Sugden Biofuels
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
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
Interesterified Mixed Vegetable Fat IE-34	Palm Oil	MYS	JPN, PAN	04/02/08	17/12/11	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	Southern Nisshin Bio-Tech
Interesterified Mixed Vegetable Fat IE-UT	Palm Oil	MYS	JPN, PAN	04/02/08	17/12/11	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	Southern Nisshin Bio-Tech
Interesterified Mixed Vegetable Oil IE-28	Palm Oil	MYS	JPN, PAN	04/02/08	17/12/11	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9	Southern Nisshin Bio-Tech
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
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	BHS, CYM, GBR, LBR, NOR, PAN, PHL, USA	14/05/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	BC	Yes	15.12, 15.17, 15.19	Sasol Solvents
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

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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
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	Mineral oil	USA	AUS, BHS, CHN, CYM, FRA, GBR, GRC, HKG, JPN, LBR, NOR, NZL, PAN, PHL, SGP, TUR, ZAF	13/10/10	17/12/13	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 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 48018	Calcium long-chain alkyl (C18-C28) salicylate and calcium long-chain alkyl salicylates (C13+) in mineral oil	FRA	ARE, BEL, BHS, CYM, DEU, EGY, ESP, GBR, GRC, HKG, ITA, LBR, MAR, NGA, NLD, NOR, PAK, PAN, PHL, SAU, SGP, SWE, USA, ZAF	01/02/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
OLOA 48019	Diphenylamines, alkylated and zinc alkyl dithiophosphate (C3-C14) in mineral oil	FRA	ARE, BEL, BHS, CYM, DEU, EGY, ESP, GBR, GRC, HKG, ITA, LBR, MAR, NGA, NLD, NOR, PAK, PAN, PHL, SAU, SGP, SWE, USA, ZAF	01/02/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 49888	Mineral oil	USA	ARE, AUS, BHS, CHN, CYM, FRA, GBR, GRC, HKG, LBR, NLD, NOR, PAN, PHL, SGP, THA	04/03/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite SA
OLOA 50908	Calcium long-chain alkyl salicylate (C13+)	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 55501	Mineral oil	SGP	ARE, AUS, BHS, CHN, CYM, DZA, FRA, GRC, HKG, JPN, KOR, LBR, MEX, NOR, NZL, PAN, PHL, TUR, USA, ZAF	07/10/10	17/12/13	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron
OLOA 58000	Polyolefin amide alkeneamine polyol and Zinc alkyl dithiophosphate (C3-C14) in mineral oil	FRA	BHS, CYM, DZA, GBR, HKG, JPN, LBR, NOR, PHL, SGP, USA	25/06/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron

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Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
OLOA 59077	Mineral oil	USA	ARE, AUS, BHS, CHN, CYM, FRA, GBR, GRC, HKG, LBR, NLD, NOR, PAN, PHL, SGP, THA	04/03/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite SA
OLOA 59122	Polyolefin amide alkeneamine polyol and Zinc alkyl dithiophosphate (C3-C14) in mineral oil	FRA	BHS, CYM, GBR, GRC, HKG, JPN, LBR, NOR, PHL, SGP, TUR, USA	31/05/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 59716	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 59726	Polyolefin amide alkeneamine polyol/Zinc alkyl dithiophosphate (C3-C14) mixture (in mineral oil)	FRA	BHS, CYM, GBR, HKG, IDN, LBR, NOR, PAN, PHL, SGP	26/08/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 59762	Polyolefin amide alkeneamine polyol and Zinc alkyl dithiophosphate (C3-C14) in mineral oil	FRA	BHS, CYM, DZA, GBR, HKG, JPN, LBR, NOR, PHL, SGP, USA	31/05/10	17/12/13	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 59766	Mineral oil	SGP	ARE, AUS, BHS, CHN, CYM, FRA, GBR, GRC, HKG, JPN, KOR, LBR, NOR, NZL, PAN, PHL, TUR, USA, ZAF	29/03/10	17/12/13	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6	Chevron

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

Trade Name	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I'	I''	I'''	J	K	L	N	O	Company
OLOA 68006	Mineral oil	USA	ARE, AUS, BHS, CHN, CYM, FRA, GBR, GRC, HKG, LBR, NLD, NOR, PAN, PHL, SGP, THA	04/03/09	17/12/12	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron Oronite SA
OLOA 99470E	Mineral oil	USA	AUS, BHS, CHN, CYM, FRA, GBR, GRC, HKG, JPN, LBR, NOR, NZL, PAN, PHL, SGP, TUR, ZAF	13/10/10	17/12/13	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 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
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
Plasticizer 32567	Di-(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
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
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
SME B99	Fatty Acid Methyl Esters (15-25%) and petroleum diesel	USA	NLD	25/03/10	17/12/13	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6	Shell Chemical
Solvesso 150 ND	Poly(2+)cyclic aromatics	BEL	ARE, DNK, FIN, GBR, ISR, ITA, NOR, SAU, SWE, TUR, ZAF	22/02/08	17/12/11	X	S/P	2	2G	Cont	No	T1	IIA	Yes	R	No	ABC	No	15.19.6, 16.2.9	ExxonMobil

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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
Solvesso 200 ND	Methylnaphthalene	BEL	ARE, DNK, FIN, GBR, ISR, ITA, NOR, SAU, TUR, ZAF	19/05/08	17/12/11	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19	ExxonMobil
SURFOM CS 5015	Ethoxylated tallow amine	BRA	ARG, NLD, NOR, 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
Vertical Ethanol gasoline blends	Gasoline	NOR	NLD, USA	03/03/10	17/12/13	X	S/P	2	2G	Cont	No	T3	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

ANNEX 4

TRIPARTITE AGREEMENTS

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

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Tradename	n.o.s.	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	ST	Remark	Company
OLOA 99480	5	Mineral oil	SGP	AUS, BHS, CHN, CYM, FRA, GBR, GRC, HKG, JPN, LBR, NOR, NZL, PAN, PHL, TUR, USA, ZAF	22/01/10	17/12/13	Y	2	High Viscosity	Chevron Oronite

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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	
3,5-bis(1,1-dimethylethyl)-4-hydroxybenzenepropanoic acid, (C7-C9)- branched alkyl esters	3	NR	3	0		Fp	2
Polyether, borated	0	NR	3	1		D	2

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

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

SYNONYMS FOR VEGETABLE OILS

CASTOR OIL

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

COCOA BUTTER

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

COCONUT OIL

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

CORN OIL

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

Refined, Bleached and Winterized Corn Oil

COTTON SEED OIL

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

FISH OIL

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

GROUNDNUT OIL

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

ILLIPE OIL

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

JATROPHA OIL

Physic nut extract

SYNONYMS FOR VEGETABLE OILS

Ratanjyot oil

LARD

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

LINSEED OIL

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

MANGO KERNEL OIL

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

NON-EDIBLE INDUSTRIAL GRADE PALM OIL

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

OLIVE OIL

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

PALM ACID OIL

Acid Oil from Palm Oil

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

PALM FATTY ACID DISTILLATE

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

PALM KERNEL ACID OIL

Acidulated Palm Kernel Oil Soapstock
Hydrogenated Palm Kernel Acid Oil

PALM KERNEL OIL

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

PALM KERNEL OLEIN

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

PALM KERNEL STEARIN

Bleached Palm Kernel Stearin
Crude Palm Kernel Stearin
Fractionated Palm Kernel Stearin
Hydrogenated Palm Kernel Stearin

SYNONYMS FOR VEGETABLE OILS

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

PALM MID-FRACTION

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

PALM OIL

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

PALM OLEIN

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

PALM STEARIN

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

RAPESEED OIL

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

RICE BRAN OIL

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

SAFFLOWER OIL

Fractionated Safflower Oil
Hydrogenated Safflower Oil
Interesterified Safflower Oil
Safflowerseed Oil

SYNONYMS FOR VEGETABLE OILS

Thistleseed Oil

Sunflower Oil

SHEA BUTTER

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

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

SOYABEAN OIL

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

SUNFLOWER SEED OIL

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

TUNG OIL

China Wood Oil
Raw Tung Oil
Raw Wood Oil

SYNONYMS FOR VEGETABLE OILS

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Wood Oil

Abbreviations:

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

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

ANNEX 7

LIST OF COUNTRY ABBREVIATIONS Part 1 - Code Order

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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	CXR	Christmas Island
AUS	Australia	CYM	Cayman Islands (United Kingdom)
AUT	Austria	CYP	Cyprus
AZE	Azerbaijan	CZE	Czech Republic
BDI	Burundi	DEU	Germany
BEL	Belgium	DJI	Djibouti
BEN	Benin	DMA	Dominica
BFA	Burkina Faso	DNK	Denmark
BGD	Bangladesh	DOM	Dominican Republic
BGR	Bulgaria	DZA	Algeria
BHR	Bahrain	ECU	Ecuador
BHS	Bahamas	EGY	Egypt
BIH	Bosnia and Herzegovina	ERI	Eritrea
BLR	Belarus	ESP	Spain
BLZ	Belize	EST	Estonia
BOL	Bolivia (Plurinational State of)	ETH	Ethiopia
BRA	Brazil	FIN	Finland
BRB	Barbados	FJI	Fiji
BRN	Brunei Darussalam	FRA	France
BTN	Bhutan	FSM	Micronesia (Federated States of)
BWA	Botswana	GAB	Gabon
CAF	Central African Republic	GBR	United Kingdom
CAN	Canada	GEO	Georgia
CHE	Switzerland	GHA	Ghana
CHL	Chile	GIN	Guinea
CHN	China	GMB	Gambia
CIV	Côte d'Ivoire	GNB	Guinea-Bissau
CMR	Cameroon	GNQ	Equatorial Guinea
COD	Democratic Rep. of the Congo	GRC	Greece

Code	Country	Code	Country
GRD	Grenada	LUX	Luxembourg
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	Libyan Arab Jamahiriya	OMN	Oman
LCA	Saint Lucia	PAK	Pakistan
LIE	Liechtenstein	PAN	Panama
LKA	Sri Lanka	PER	Peru
LSO	Lesotho	PHL	Philippines
LTU	Lithuania	PLW	Palau

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

ANNEX 7

LIST OF COUNTRY ABBREVIATIONS Part 2 - Country Order

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

Code	Country	Code	Country
GIN	Guinea	MDV	Maldives
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	Libyan Arab Jamahiriya	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

Code	Country	Code	Country
MDA	Republic of Moldova	TUN	Tunisia
ROU	Romania	TUR	Turkey
RUS	Russian Federation	TKM	Turkmenistan
RWA	Rwanda	TUV	Tuvalu
KNA	Saint Kitts and Nevis	UGA	Uganda
LCA	Saint Lucia	UKR	Ukraine
VCT	Saint Vincent and the Grenadines	ARE	United Arab Emirates
WSM	Samoa	GBR	United Kingdom
SMR	San Marino	TZA	United Republic of Tanzania
STP	Sao Tome and Principe	USA	United States
SAU	Saudi Arabia	URY	Uruguay
SEN	Senegal	UZB	Uzbekistan
SRB	Serbia	VUT	Vanuatu
SYC	Seychelles	VEN	Venezuela (Bolivarian Republic of)
SLE	Sierra Leone	VNM	Viet Nam
SGP	Singapore	YEM	Yemen
SVK	Slovakia	ZMB	Zambia
SVN	Slovenia	ZWE	Zimbabwe
SLB	Solomon Islands		
SOM	Somalia		
ZAF	South Africa		
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		
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TTO	Trinidad and Tobago		

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ANNEX 10

CARGO TANK CLEANING ADDITIVES EVALUATED IN ACCORDANCE WITH MEPC.1/CIRC.590 AND FOUND TO MEET THE REQUIREMENTS OF REGULATION 13.5.2 OF ANNEX II OF MARPOL 73/78

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Annex 10
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Name of cleaning additive	Name of manufacturer	Reporting country
"SEA CLEAN" - HEAVY OIL/PARAFFIN CLEANER	ATLAS CHEMICAL	USA
"VIRO-SOL" - Heavy Oil Degreaser	ATLAS CHEMICAL	USA
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
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
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
Aquabreak PX	UNITOR Chemicals AS	NOR
B.T.S. HCF Water Based	Blutec srl	ITA
Buffer	StarMarine Chemical BV	NLD
Buffersol	MARICHEM MARIGASES Worldwide	GRC
C CLEAN NEO	Diversey Co. Ltd.	JPN
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

**CARGO TANK CLEANING ADDITIVES EVALUATED IN ACCORDANCE WITH
MEPC.1/CIRC.590 AND FOUND TO MEET THE REQUIREMENTS OF
REGULATION 13.5.2 OF ANNEX II OF MARPOL 73/78**

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Annex 10
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Name of cleaning additive	Name of manufacturer	Reporting country
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Careclean Super Degreaser	Marine Care BV	NLD
Careclean Synclean HD	Marine Care BV	NLD
Careclean Synclean LF	Marine Care BV	NLD
Careclean Voyage (Seaclean)	Marine Care BV	NLD
Caretank ECO	Marine Care BV	NLD
Caretank ECO Extra	Marine Care BV	NLD
Cement Remover	MARICHEM MARIGASES Worldwide	GRC
CHEMTEC Solvent Degreaser	CHEMTECH Chemicals GmbH	DEU
CHEMTEC ZnHCR	CHEMTEC Chemicals GmbH	DEU
CHLOR 12%	UNISERVICE S.A.	ITA
Cleanbreak	Blutec srl	ITA
Coal Tar Remover	Vecom Marine Alliance BV	NLD
COAL TAR REMOVER	CHEMO SA	GRC
COLD WASH	UNISERVICE S.A.	ITA
Cold Wash C.	Blutec srl	ITA
CP LEAD CLEAN	CP METAL CHEMICALS	NLD
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
Descaler Liquid 555	MARICHEM MARIGASES Worldwide	GRC
DREW ABD	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	UNISERVICE S.A.	ITA
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

**CARGO TANK CLEANING ADDITIVES EVALUATED IN ACCORDANCE WITH
MEPC.1/CIRC.590 AND FOUND TO MEET THE REQUIREMENTS OF
REGULATION 13.5.2 OF ANNEX II OF MARPOL 73/78**

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Name of cleaning additive	Name of manufacturer	Reporting country
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Enviro Liquid Alkaline Cleaner/LAC	Enviro-Tech Specialities, Inc.	USA
Enviro P/D Kleen	Enviro-Tech Specialities, Inc.	USA
ENVIROCARE 330	Drew Marine	USA
ENVIROCARE 350	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 CITRUS KLEEN	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
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
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
HAIZEN S-100	KAO CORP.	JPN
HOLDBRITE	CHEMO SA	GRC
HOLDBRITE XF	CHEMO SA	GRC
Hydrocarbon Remover	UNI Americas LLC	USA
Ion and Alkali Cleaning Agent of Jpal	Jpec Co. Ltd	JPN
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-Solve	Chemtec Consulting GmbH	DEU
LAC	Drew Marine	USA
Lime Cleaner	MARICHEM MARIGASES Worldwide	GRC
LIME OUT	CHEMO SA	GRC
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MARCLEAN CO - 1	A/S EIVIND BROSSTAD	NOR
MARCLEAN H60	A/S EIVIND BROSSTAD	NOR

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MARCLEAN SC	A/S EIVIND BROSSTAD	NOR
MarClean XP	A Clean Partner International AB	SWE
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
MARSIOL NC	Maritech Marine Technologies AB	SWE
MARSIOL VT - PLUS	Maritech Marine Technologies AB	SWE
Metal Brite HD	Unitor Chemicals AS	NOR
Metal Deruster	StarMarine Chemical BV	NLD
Multicleaner	StarMarine Chemical BV	NLD
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
NAVACLEAN 801 - ALKATUFF	NAVADAN APS	DNK
NAVACLEAN 803 - ALKATUFF PHS	NAVADAN APS	DNK
NAVACLEAN 809 - TEEPOL PLUS	NAVADAN APS	DNK
NAVACLEAN 814 - DYESTUFF REMOVER	NAVADAN APS	DNK
NAVACLEAN 818 - COLDWASH	NAVADAN APS	DNK
NAVACLEAN 823 - BUFFERCLEANER 55	NAVADAN APS	DNK
NAVACLEAN 823 (CON) BUFFER CLEANER 55	NAVADAN APS	DNK
NAVACLEAN 842 - ALKASAFE	NAVADAN APS	DNK
NAVACLEAN 848 - NEUTRAL CLEANING CONCENTRATE	NAVADAN APS	DNK
NAVACLEAN 850 - WATERBASED NEUTRAL HCF	NAVADAN APS	DNK
NAVACLEAN 855 - HYDROCARBON REMOVER	NAVADAN APS	DNK
NAVACLEAN 856 - ECOCLEAN	NAVADAN APS	DNK
NAVACLEAN 860 - SEACLEAN GP	NAVADAN APS	DNK
NAVACLEAN 873 - RUST & STAIN REMOVER	NAVADAN APS	DNK
NAVACLEAN 888 - SEACLEAN	NAVADAN APS	DNK
NAVACLEAN 897 - IGS CLEANER	NAVADAN APS	DNK
NAVACLEAN 897 (CON) - IGS CLEANER	NAVADAN APS	DNK
NAVAFLOR 812	NAVADAN APS	DNK
NEUTRAL 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
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

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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
Redox Heavy Duty Cleaner	REDOX CHEMICAL PTE LTD	SGP
Redox Heavy Duty Tank Cleaner	REDOX CHEMICAL PTE LTD	SGP
Redox Metal Brightener	REDOX CHEMICAL PTE LTD	SGP
Redox Multi-Purpose Cleaner	REDOX CHEMICAL PTE LTD	SGP
Redox Oil Spill Dispersant & Tank Cleaning Additive	REDOX CHEMICAL PTE LTD	SGP
Redox Twiinstarr	REDOX CHEMICAL PTE LTD	SGP
Redox Water-Based Hydro-Carbon Free (HCF) Cleaner	REDOX CHEMICAL PTE LTD	SGP
SC-1000	Infinity Enterprises, Inc	JPN
Sea Clean Plus	UNITOR Chemicals AS	NOR
SEACLEAN	UNISERVICE S.A.	ITA
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
Solvent Cleaner	Star Marine Chemicals BV	NLD
StarMarine Concentrate	Star Marine Chemicals BV	NLD
StarMarine Special	Star Marine Chemicals BV	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 Super Cleaner	CHEMO	GRC
Tankclean Buffer	Vecom Marine Alliance BV	NLD
Tankclean HD Split	Vecom Marine Alliance BV	NLD

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Tankclean Neutral	Vecom Marine Alliance BV	NLD
TankCleaner	Star Marine Chemicals BV	NLD
Tankleen Advance	UNITOR Chemicals AS	NOR
Tankleen Bright	UNITOR Chemicals AS	NOR
TANKLEEN SWIFT	Unitor Chemicals AS	NOR
TANKLEEN TAR	Unitor Chemicals AS	NOR
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
TCS-PARA	New Shin Young Co., Ltd.	KOR
TCS-RSR	New Shin Young Co., Ltd.	KOR
TCS-SCMR	New Shin Young Co., Ltd.	KOR
TEEPOL EIGHT	Diversey Co. Ltd.	JPN
UNICLEAN DRASTIC	UNISERVICE S.A.	ITA
UNICLEAN GP	UNISERVICE S.A.	ITA
Uniclean HD	UNI Americas LLC	USA
Uniclean IG	UNI Americas LLC	USA
Unipol	UNITOR Chemicals AS	NOR
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