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Ref. T5/5.01

MEPC.2/Circ.14  
17 December 2008

## 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.

1.2 In recognition that new amendments to the IBC Code enter into force on 1 January 2009, it should be noted that MEPC.2/Circ.13 will remain valid up to and including 31 December 2008 and that MEPC.2/Circ.14 accordingly becomes effective 1 January 2009.

### 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 tradenames 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 With the entry into force of the 2007 amendments to the IBC Code taking effect from 1 January 2009, a number of deletions from List 1 have now been made. These represent those products which are marked up with footnote 'n' in chapter 17 or footnote 'a' in chapter 18 of the IBC Code 2007 printed edition.

3.3.2 List 1 entries retained for this circular accordingly now comprise of the following elements:

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

#### **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 small number of products have been deleted relative to the entries shown in MEPC.2/Circ.13 following the reassignment of these products to List 3.

#### **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, cleaning additives in annex 10 submitted before 1 January 2007, which were evaluated through MEPC/Circ.363, will cease to be valid on 1 August 2010. To maintain a listing beyond this date, a re-evaluation of the cleaning additives concerned, in accordance with the revised guidelines given in MEPC.1/Circ.590, is required.

3.6.4 To reflect the different classes of entry which are possible until 2010, products are now recorded as having been assessed by either MEPC/Circ.363 and/or MEPC.1/Circ.590 accordingly.

3.6.5 Additionally, in order to facilitate any future liaison with additive producers that may be required, a record of the Administrations having submitted the cleaning additives on behalf of the manufacturers is now included for all new 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 <sub>20</sub> ) :

**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 component is that with the highest value obtained from % x component factor. In the event of there being more than one component with equal highest scores, discretion may be used in deciding whether one or both should be identified (see MEPC.1/Circ.512). The name of the component 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.

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.

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**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
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
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 (C18+) toluenes		All countries		None	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.9
Alkyltoluenesulphonic acid, calcium salts		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Ammonium chloride solution (less than 25%) drilling brines	GBR	DNK, NLD, NOR, SGP	10/11/06	17/12/09	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Borated calcium sulphonate	USA	AUS, BHS, BEL, CAN, DNK, FRA, DEU, JPN, ITA, LBR, MHL, NLD, NOR, PAN, SGP, ZAF, SWE, CHE, GBR, KOR	26/01/06	17/12/09	Y	P	3	2G	Open	No	T2	IIA	Yes	O	No	ABC	No	15.19.6, 16.2.6
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 drilling brines	GBR	DNK, NLD, NOR, SGP	16/11/06	17/12/09	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Cyclopentanol	ZAF	NLD	29/01/07	17/12/10	Y	P	2	2G	Cont	No			No	R	F	AB	No	15.19.6
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
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
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, 16.26, 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
Ferrous chloride solution (less than 40%, containing less than 10% manganese and aluminium chlorides)	DEU	BHS, FRA, GBR, ITA, LBR, NLD, NOR, POL, SGP	12/11/07	17/12/10	Y	S/P	2	2G	Cont	No	-	-	NF	R	No	C	Yes	15.11, 15.12.3, 15.17, 15.19.6
Glycerol ethoxylated		All countries		None	OS		NA											

**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
Linear alkyl (C12-C16) propoxyamine ethoxylate	USA	AUS, BHS, GBR, KOR, LBR, MHL, NLD, NOR, PAN, SGP, VCT	03/01/07	17/12/10	Z	S/P	3	2G	Open	No	T2		Yes	O	No	ACD	No	
Microsilica slurry	NOR	ESP, USA	22/11/07	17/12/10	OS		NA											
Nonylphenol (48-62%)/Phenol (42-48%)/Dinonylphenol (1-10%) mixture	USA	BHS, CYM, GBR, IND, LBR, MHL, NOR, PAN, SGP, VUT	10/03/08	17/12/11	X	S/P	1	2G	Cont	No	T1	-	Yes	C	No	BC	Yes	15.12.3, 15.17, 15.19, 16.2.6, 16.2.9
Octamethylcyclotetrasiloxane	USA	BEL, BHS, CYM, DNK, GBR, JPN, KOR, LBR, MHL, NLD, PAN, VCT	02/05/08	17/12/11	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6, 16.2.9
Octyl aldehydes		All countries		None	Y	P	2	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.9
Olefin Mixtures (C7-C9) C8 rich, stabilized	GBR	All countries	07/11/07	17/12/10	X	S/P	2	2G	Cont	No	T3	IIB	No	R	F	ABC	No	15.13, 15.19.6
Orange juice (concentrated)		All countries		None	OS		NA											
Orange juice (not concentrated)		All countries		None	OS		NA											
Organomolybdenum amide	USA	AUS, BEL, BHS, CHN, CYM, LBR, MHL, NLD, TUR, VCT, VUT	10/10/07	17/12/10	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
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
1,3-Pentadiene		All countries		None	Y	S/P	3	2G	Cont	No			No	R	FT	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2, 16.6.3
Piperylene Concentrate	USA	BHS, BRA, CHN, KOR, LBR, NLD, NOR, PAN, PHL, VCT	11/09/06	17/12/09	Y	S/P	3	2G	Cont	Inert	T3	IIB	No	R	F	ABC	No	15.13, 15.19.6
Polyalkylalkenaminesuccinimide, molybdenum oxysulphide		All countries		None	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Polyolefin amide alkeneamine polyol		All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Poly(oxyalkylene)alkenyl ether (MW>1,000)	JPN	BHS, BRA, CHN, GBR, HKG, USA	15/08/07	17/12/10	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
Potassium chloride solution (less than 26%)		All countries		None	OS		NA											
Sodium bicarbonate solution (less than 10%)		All countries		None	OS		NA											
Sodium bromide solution (less than 50%)	GBR	DNK, NLD, NOR, SGP	10/11/06	17/12/09	Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	



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**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
Sodium Methylate Solution 21-30% in Methanol	DEU	ARG, AUS, BHS, BRA, CAN, CYM, ESP, FRA, GBR, HKG, IDN, JPN, LBR, MHL, MYS, NLD, NOR, PAN, PHL, PRT, SGP, THA, USA	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

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## ANNEX 2

## TRIPARTITE AGREEMENTS

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

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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
Alcoline	8	Mineral oil	BRA	09/04/08	Y	3		Greenergy 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
AP 1317	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
AP 1332	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
AP 1343	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
AP 1361	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
AP 1361R	5	Alkenyl (C11+) amide	USA	18/04/08	Y	2	High Viscosity	Lubrizol
AP 1394	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
AP 9396	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
AP 13126	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
AP 93127	5	Mineral oil	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
BAR 176	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
BAR 350	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
BAR 360	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
BAR 470	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
BAR 490	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
BAR 900	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
BE 95 SE	4	Alkanes (C6-C9)	FIN	08/05/08	X	2		Neste Oil
BOC 6654	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
BPT 3222	5	Calcium alkyl phenate sulphide (C8-C40)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
C9/C10 AROMATICS	4	Trimethylbenzene (all isomers)	GBR	14/05/07	X	2		SABIC (UK)
CA 303	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
CA 925	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
CAN 17	9	Calcium nitrate, ammonium nitrate	NOR	18/04/07	Z	3		Yara International S. A.
CAROMAX 18	6	Alkyl (C3-C4) benzenes	GBR	15/02/07	Y	2		Petrochem Carless

## 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
CAROMAX 20	5	Alkyl (C3-C4) benzenes	GBR	15/02/07	Y	2		Petrochem Carless
CAROMAX 26	3	Poly(2+)cyclic aromatics	GBR	15/02/07	X	2		Petrochem Carless
CAROMAX 28	3	Poly(2+)cyclic aromatics	GBR	15/02/07	X	2		Petrochem Carless
CAS 29/75	3	Poly(2+)cyclic aromatics	GBR	15/02/07	X	2		Petrochem Carless
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
CHEMADD 528K	5	Calcium alkyl phenate sulphide (C8-C40)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
CLAIRSOL 350MHF	7	n-Alkanes (C10+)	GBR	15/02/07	Y	3		Petrochem Carless
CLAIRSOL 3000	7	n-Alkanes (10+)	GBR	15/02/07	Y	3		Petrochem Carless
CLAIRSOL NS	7	n-Alkanes (C10+)	GBR	15/02/07	Y	3		Petrochem Carless
CN9	11	Less than 50% calcium nitrate, less than 10% ammonium nitrate	NOR	18/04/07	Z	NA		Yara International S. A.
Dibasic esters	3	Dimethyl adipate	USA	19/01/07	X	2		Invista
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
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

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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
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
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

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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
HYDROTREATED C5 (HTC5)	8	Pentane (all isomers)	GBR	14/05/07	Y	3		SABIC (UK)
Infineum D1688	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D3424	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D3434	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D1284	5	Zinc alkyl dithiophosphate (C3-C14)	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D1288	5	Zinc alkyl dithiophosphate (C3-C14)	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum D1294	5	Mineral oil	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum D1640	5	Mineral oil	ITA	29/02/08	Y	2	High Viscosity	Infineum
Infineum D1642	5	Mineral oil	ITA	27/02/07	Y	2	High Viscosity	Infineum
Infineum D3348	5	Mineral oil	ITA	23/11/06	Y	2		Infineum
Infineum D3354	5	Mineral oil	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum D3356	5	Mineral oil	ITA	23/11/06	Y	2	High Viscosity	Infineum
Infineum D3426	5	Mineral oil	ITA	26/10/07	Y	2	High Viscosity	Infineum
Infineum M7071	5	Mineral oil	SGP	26/09/06	Y	2		Infineum
Infineum M7081A	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum M7089	5	Mineral oil	SGP	26/09/06	Y	2		Infineum
Infineum M7090	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5066	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5151	5	Mineral oil	ITA	23/11/06	Y	2		Infineum
Infineum P5314	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5315	5	Mineral oil	SGP	26/09/06	Y	2	High Viscosity	Infineum
Infineum P5318	5	Mineral oil	ITA	29/02/08	Y	2	High Viscosity	Infineum
Infineum P5320	5	Mineral oil	ITA	27/02/07	Y	2	High Viscosity	Infineum
Infineum P5335	5	Mineral oil	SGP	05/12/07	Y	2	High Viscosity	Infineum
Infineum 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

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Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
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)
L-1062	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LB-633	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
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
LOA 963	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LUBAD 166	5	Oleylamine	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LUBAD 1014	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LUBAD 1062	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LUBAD 1078	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LUBAD 1120	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LUBAD 1126	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LUBAD 1146	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
LUBAD 1233	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 601S	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 3501	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 3530	5	Mineral oil	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 3576J	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 3589	5	Mineral oil	USA	30/09/06	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 3589T	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 3594A	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 3601	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 3700	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4800R	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4816M	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4952A	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 4970	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4970P	5	Alkenyl (C11+) amide	USA	25/10/07	Y	2	High Viscosity	Lubrizol
Lubrizol 4980A	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4980J	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4981A	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4981C	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 4981X	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 4981XD	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4982B	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4982S	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4991C	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4991D	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4998	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 4999	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 5340MW	5	Sulphohydrocarbon (C3-C88)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 6499A	5	Calcium alkyl phenate sulphide (C8-C40)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 6701E	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 6830	5	Mineral oil	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 6950J	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 7819A	5	Zinc alkyl dithiophosphate (C3-C14)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 7819H	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 7901	5	Dodecyl hydroxypropyl sulphide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 8666	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 8687S	5	Mineral oil	USA	26/06/07	Y	2	High Viscosity	Lubrizol
Lubrizol 8691	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 8695	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 8900	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 8900C	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 8900D	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 8900X	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 8989	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9220	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9222	5	Calcium alkyl phenate sulphide (C8-C40)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9222R	5	Calcium alkyl phenate sulphide (C8-C40)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9225	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9229	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9231A	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9245	5	Calcium alkyl phenate sulphide (C8-C40)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9296	5	Mineral oil	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 9298	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9692A	5	Zinc alkaryl dithiophosphate (C7-C16)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9827	5	Mineral oil	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 9828	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9828T	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 9828V	5	Alkenyl (C11+) amide	USA	30/09/06	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

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Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
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 17001	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 17005	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 17006	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 17007	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 20000A	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 20001	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 20002B	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 20003	5	Zinc alkyl dithiophosphate (C3-C14)	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 20004	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 20009	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 20009A	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 20010	5	Alkenyl (C11+) amide	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 21024	5	Alkenyl (C11+) amide	USA	26/06/07	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 70116	5	Mineral oil	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 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

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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 79728	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol 79831	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Lubrizol A99	5	Oleylamine	USA	30/09/06	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 alcohols	ZAF	27/12/06	Z	NA		PetroSA
MOSSTANOL P	6	Cyclopentanol	ZAF	28/01/07	Y	2		PetroSA
MP 572 D	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Nappar 10	9	Alkanes (C6-C9)	BEL	01/09/06	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

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

Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
NEXBASE@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
NExBTL	8	Iso- and cyclo-alkanes (C12+)	FIN	16/02/07	Y	3		Neste Oil
Octimise G2003	5	Solvent naphta	BEL	27/02/07	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 9790F	5	Mineral oil	USA	21/02/07	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
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
OLOA 99470E	5	Mineral oil	USA	11/05/07	Y	2	High Viscosity	Chevron
OrePrep F-597 Frother	7	1,6-Hexanediol distillation	USA	06/03/07	Y	3		CYTEC
PARASET 29H	3	Poly(2+)cyclic aromatics	GBR	15/02/07	X	2		Petrochem Carless
PARASET 32S	3	Poly(2+)cyclic aromatics	GBR	15/02/07	X	2		Petrochem Carless

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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
PAZAD 93	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
Petrinex T9	3	Napthalene	GBR	14/05/07	X	2		SABIC (UK)
Pilot 140	3	Poly(2+)cyclic aromatics	GBR	15/02/07	X	2		Petrochem Carless
Pilot 150H	3	Poly(2+)cyclic aromatics	GBR	13/08/07	X	2		Petrochem Carless
Pilot 400	7	Iso- and cyclo-alkanes (C12+)	GBR	20/06/07	Y	3		Petrochem Carless
Pilot 600	7	Iso- and cyclo-alkanes (C12+)	GBR	20/06/07	Y	3		Petrochem Carless
Pilot 900	7	Iso- and cyclo-alkanes (C12+)	GBR	20/06/07	Y	3		Petrochem Carless
Product 78040	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
PROP BH	8	n-Propyl alcohol	ZAF	12/01/07	Y	3		SASOL
R05890	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
R05890B	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
R09671A	5	Alkenyl (C11+) amide	USA	22/03/07	Y	2	High Viscosity	Lubrizol
R09723A	5	Calcium alkyl phenate sulphide (C8-C40)	USA	30/09/06	Y	2	High Viscosity	Lubrizol
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 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 267	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
SA 401	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
SA 491	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
SA 533	5	Calcium alkyl phenate sulphide (C8-C40)	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
SELEXOL SOLVENT	7	Polyethylene glycol dimethyl ether	USA	21/11/08	Y	3		Dow
SOLGAD 100	4	Alkyl (C3-C4) benzenes	ISR	30/09/06	X	2		Gadiv
SOLGAD 150	3	Alkyl (C5-C8) benzenes	ISR	30/09/06	X	2		Gadiv

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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
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
STOCK 3046	5	Alkenyl (C11+) amide	USA	30/09/06	Y	2	High Viscosity	Lubrizol
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
Y-1680	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
YA 266	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
YA 267	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol
YA 451	5	Zinc alkyl dithiophosphate (C3-C14)	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
YPAD 81	5	Mineral oil	USA	30/09/06	Y	2	High Viscosity	Lubrizol

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**ANNEX 3**

**TRIPARTITE AGREEMENTS**

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

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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
DCDP RESIN GRADE	Olefins	USA	BHS, CHN, CYM, LBR, MHL, NOR, PAN, SGP, VCT, VUT	02/01/07	17/12/10	Y	S/P	2	2G	Cont	Inert	T2	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.17, 15.18, 15.19	Lyondell Chemical
Formic acid mixture	Propionic acid and sodium formate	NOR	DEU, NLD	03/12/08	17/12/11	Y	S/P	3	2G	Cont	No	T1	IIA	Yes	R	T	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	BASF
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
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	Hydrocarbons, liquid n.o.s.	NLD	CYM, USA	24/10/08	17/12/11	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AB	No	15.12, 15.13, 15.14, 15.17, 15.9.6, 16.6.1, 16.6.2 and 16.6.3	Shell
OLOA 760 J	mineral oil	FRA	BHS, CAN, CYM, GBR, GRC, HKG, JPN, LBR, NOR, PAN, PHL, SGP, TUR, USA	09/01/07	17/12/10	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 760A	Mineral oil	FRA	BHS, CYM, GBR, GRC, HKG, LBR, NLD, NOR, PAN, PHL, SGP, TUR	06/05/08	17/12/11	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 760SA	Mineral oil	FRA	BHS, CYM, GBR, GRC, HKG, KOR, LBR, NLD, NOR, OMN, PAN, PHL, SAU, SGP, TUR, USA	06/05/08	17/12/11	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	Mineral oil	FRA	AUS, BHS, CHN, CYM, GBR, GRC, HKG, LBR, NOR, PAN, PHL, SGP, TUR, USA, ZAF	09/01/07	17/12/10	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 9252D	Mineral oil	FRA	BHS, CYM, DZA, GBR, HKG, LBR, NOR, PAN, PHL, SGP	15/05/07	17/12/10	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 49807	Mineral oil	FRA	BHS, CYM, GBR, GRC, HKG, LBR, NLD, NOR, PAN, PHL, SGP, TUR, USA	10/01/07	17/12/10	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 50908	Calcium long-chain alkyl salicylate (C13+)	FRA	All countries		None	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 54003	Mineral oil	FRA	BHS, CYM, DZA, LBR, PAN	10/01/07	17/12/10	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 59716	Mineral oil	FRA	BHS, CYM, DZA, LBR, PAN	16/01/07	17/12/10	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
OLOA 59928	Mineral oil	FRA	BHS, CYM, DZA, GBR, HKG, LBR, NOR, PAN, PHL, SGP	13/02/07	17/12/10	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6	Chevron
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



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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
Solvesso 150	Poly(2+)cyclic aromatics	BEL	ARE, DNK, FIN, GBR, ISR, ITA, NOR, SAU, SWE, TUR, ZAF	01/09/06	17/12/09	X	S/P	2	2G	Cont	No	T1	IIA	Yes	R	No	ABC	No	15.19.6, 16.2.9	ExxonMobil
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
Solvesso 200	Tetramethylbenzene	BEL	ARE, DNK, FIN, GBR, ISR, ITA, NOR, SAU, TUR, ZAF	01/09/06	17/12/09	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19	ExxonMobil
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
VALUE CA	Cresols (all isomers)	ZAF	BHS, LBR, NOR, USA	15/01/07	17/12/10	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	A	No	15.12, 15.19, 16.2.9	SASOL

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

Tradename	n.o.s.	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	ST	Remark	Company
HITEC 9750	5	Polyolefin amide alkeneamine borate (C28-C250)	USA	AUS, BEL, BHS, CHN, CYM, LBR, MHL, NLD, TUR, VCT, VUT	10/10/07	17/12/10	Y	2		Afton
Infineum P5212	5	Mineral oil	SGP	HKG, JPN, LBR, PAN, SGP	20/07/07	17/12/10	Y	2	High Viscosity	Infineum
OLOA 760	5	Mineral oil	FRA	BHS, CYM, GBR, GRC, HKG, LBR, NOR, PAN, PHL, SGP, TUR	10/01/07	17/12/10	Y	2	High Viscosity	Chevron Oronite SA
OLOA 760S	5	Mineral oil	FRA	BHS, CYM, GBR, GRC, HKG, LBR, NOR, OMN, PAN, PHL, SGP, TUR, ZAF	10/01/07	17/12/10	Y	2	High Viscosity	Chevron Oronite SA
OLOA 8888	5	Mineral oil	FRA	AUS, BHS, CYM, EGY, GBR, HKG, IDN, KOR, LBR, NOR, PAN, PHL, SGP, THA, USA, ZAF	15/02/07	17/12/10	Y	2	High Viscosity	Chevron Oronite SA
OLOA 9999	5	Mineral oil	FRA	ARE, BHS, CYM, EGY, GBR, HKG, LBR, NOR, PAN, PHL, SGP, TUR, ZAF	24/04/07	17/12/10	Y	2	High Viscosity	Chevron Oronite SA
OLOA 59722	5	Mineral oil	FRA	BHS, CYM, DZA, LBR, PAN	10/01/07	17/12/10	Y	2	High Viscosity	Chevron Oronite SA
OLOA 59723	5	Mineral oil	FRA	BHS, CYM, DZA, GBR, HKG, LBR, NOR, PAN, PHL, SGP	19/02/07	17/12/10	Y	2	High Viscosity	Chevron Oronite SA
SpectraSyn2C	5	Mineral oil	USA	AUS, BEL, BHS, COL, FRA, JPN, LBR, NLD, NOR, PAN, PHL, SGP, VCT	16/04/07	17/12/10	Y	2		ExxonMobil

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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

**LARD**

Choice Kettle Lard  
 Crude Lard

## SYNONYMS FOR VEGETABLE OILS

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



## SYNONYMS FOR VEGETABLE OILS

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**

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

### **RICE BRAN OIL**

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

### **SAFFLOWER OIL**

Fractionated Safflower Oil  
Hydrogenated Safflower Oil  
Interesterified Safflower Oil  
Safflowerseed Oil  
Thistleseed Oil

## SYNONYMS FOR VEGETABLE OILS

### SHEA BUTTER

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

### SOYABEAN OIL

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

### SUNFLOWER SEED OIL

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

### TALLOW

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

### TUNG OIL

China Wood Oil  
Raw Tung Oil  
Raw Wood Oil  
Wood Oil

## SYNONYMS FOR VEGETABLE OILS

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### 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.

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## ANNEX 7

### LIST OF COUNTRY ABBREVIATIONS Part 1 - Code Order

MEPC.2/Circ.14  
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Page 1 of 3

<b>Code</b>	<b>Country</b>	<b>Code</b>	<b>Country</b>
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	ETH	Ethiopia
BRA	Brazil	FIN	Finland
BRB	Barbados	FJI	Fiji
BRN	Brunei Darussalam	FRA	France
BTN	Bhutan	FSM	Micronesia
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

<b>Code</b>	<b>Country</b>	<b>Code</b>	<b>Country</b>
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		

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

MEPC.2/Circ.14  
Annex 7  
17 December 2008  
Page 1 of 3

<b>Code</b>	<b>Country</b>	<b>Code</b>	<b>Country</b>
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	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



<b>Code</b>	<b>Country</b>	<b>Code</b>	<b>Country</b>
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
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

<b>Code</b>	<b>Country</b>	<b>Code</b>	<b>Country</b>
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		
TON	Tonga		
TTO	Trinidad and Tobago		

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**CLEANING ADDITIVES EVALUATED AND FOUND TO MEET THE REQUIREMENTS OF  
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79107 "Sea Shield" Disc/Filter Clean	NALFLEET Marine Chemicals		X	
79110 "Sea Shield" Multiclean	NALFLEET Marine Chemicals		X	
79116 "Sea Shield" Safe Acid Powder	NALFLEET Marine Chemicals		X	
AC Clean 1 JT	TriStar Industries BV	NLD	X	X
AC Clean 24	Tristar Industries BV	NLD		X
Acrychem SD	Arbochim NV		X	
Acrylate Kleen	Enviro-Tech Specialities		X	
Air Cooler Cleaner	UNISERVE Americas Inc.		X	
Air-O-Gone-1	TriStar Industries BV	NLD	X	X
ALCACLEAN HD	MARICHEM MARIGASES Worldwide	GRC		X
ALCACTIVE LIQUID	MARICHEM MARIGASES Worldwide	GRC	X	X
Alka Kleen HD	MARICHEM MARIGASES Worldwide		X	
Alka Kleen SAF S-C / #3	Enviro-Tech Specialities		X	
Alkaclean	UNISERVE Americas Inc.		X	
ALKACLEAN	UNISERVICE S.A.	ITA		X
Alkaclean Safety	UNISERVE Americas Inc.		X	
ALKACLEAN SAFETY	UNISERVICE S.A.	ITA		X
Alkaline (CAUS)	StarMarine Chemical BV	NLD	X	X
Alkaline (POT)	StarMarine Chemical BV	NLD	X	X
Alkaline Cleaner	NALFLEET Marine Chemicals		X	
Alkaline Cleaner	AQUAMARINE Chemicals		X	
Alkleen Buffer	UNITOR Chemicals	NOR	X	X
Alkleen Buffered	Performance Chemicals Ltd.		X	
Alkleen Liquid	UNITOR Chemicals	NOR	X	X
Alkleen Powder	UNITOR Chemicals		X	
Alkleen Safety Liquid	UNITOR Chemicals		X	
Aluminium Cleaner	AQUAMARINE Chemicals		X	
Ameroid Rust Stain Remover	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
AQUA TUFF	UNITOR Chemicals		X	
Aquabreak PX	UNITOR Chemicals		X	
Aquaquick 2000	Van Beek Ecoproducts B.V.		X	

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Aquaquick 2000 SP	Van Beek Ecoproducts B.V.		X	
Aquatuff High Foam	UNITOR Chemicals		X	
Aquawash	AQUAMARINE Chemicals		X	
ATLAS 100	Atlas Chemical Inc.		X	
A-V-O Liquid	Gyro Chemical & Equipment Co.		X	
BC 10	JME Technische Handelonderneming BV		X	
BC 20	JME Technische Handelonderneming BV		X	
Bilge Cleaner	MARICHEM MARIGASES Worldwide		X	
Biological Cleaner	MARICHEM MARIGASES Worldwide		X	
Bleach Substitute	UNISERVE Americas Inc.		X	
Buffer	StarMarine Chemical BV	NLD	X	X
Bufferclean	VECOM		X	
Buffersol	MARICHEM MARIGASES Worldwide		X	
C Clean	Teepol Ltd.		X	
Carbon Remover	MARICHEM MARIGASES Worldwide		X	
Careclean Airfresh	Marine Care		X	
Careclean Alkaline	Marine Care BV	NLD	X	X
Careclean Alkaline Extra	Marine Care BV	NLD	X	X
Careclean Alkaline Safety	Marine Care BV	NLD		X
Careclean Aquawash	Marine Care		X	
Careclean Buffer	Marine Care BV	NLD	X	X
Careclean Chlor	Marine Care		X	
Careclean Coaltar	Marine Care BV	NLD		X
Careclean D80	Marine Care BV	NLD		X
Careclean Degreaser GP	Marine Care BV	NLD	X	X
Careclean Degreaser HD	Marine Care BV	NLD		X
Careclean Degreaser HD Split	Marine Care BV	NLD		X
Careclean Energy Wash	Marine Care BV	NLD		X
Careclean Foro HD	Marine Care BV	NLD		X
Careclean GP	Marine Care		X	
Careclean GP Enviro	Marine Care BV	NLD		X

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### CLEANING ADDITIVES EVALUATED AND FOUND TO MEET THE REQUIREMENTS OF REGULATION 13.5.2 OF ANNEX II OF MARPOL 73/78

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Careclean HD	Marine Care		X	
Careclean HD Split	Marine Care		X	
Careclean Hydro Carbon Free	Marine Care		X	
Careclean Inhibitor Killer/Lead Cleaner	Marine Care BV	NLD		X
Careclean LOW COD	Marine Care BV	NLD		X
Careclean Multiclean	Marine Care BV	NLD		X
Careclean Neutral HCF	Marine Care		X	
Careclean Passivating Liquid	Marine Care		X	
Careclean Pickling Liquid	Marine Care		X	
Careclean Rust	Marine Care BV	NLD	X	X
Careclean Super Degreaser	Marine Care BV	NLD		X
Careclean Synclean HD	Marine Care BV	NLD		X
Careclean Synclean LF	Marine Care BV	NLD		X
Careclean Voyage	Marine Care		X	
Careclean Voyage (Seaclean)	Marine Care BV	NLD		X
Caretank ECO	Marine Care BV	NLD		X
Caretank ECO Extra	Marine Care BV	NLD		X
Caustic Alkaline Cleaner (LAC) #5	VECOM		X	
Cement Remover	MARICHEM MARIGASES Worldwide		X	
CHEMTEC CTR	Chemtec Consulting Gmbh		X	
CHEMTEC WL	Chemtec Consulting Gmbh		X	
CHLOR 12%	UNISERVICE S.A.	ITA		X
Citri Klean WB	Enviro-Tech Specialities		X	
Cleanbreak	UNITOR Chemicals		X	
Coal Tar Clean	Enviro-Tech Specialities		X	
Coco Clean	Beauty Co. Ltd.		X	
Cold Wash	UNISERVE Americas Inc.		X	
COLD WASH	UNISERVICE S.A.	ITA		X
CP Leadclean	CP Metal Chemicals BV		X	
CTC - Cleaner - VLC	Chemtec Consulting Gmbh	DEU	X	X
CTU	UNISERVICE S.A.	ITA		X

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Degreaser GP / B-24-B	VECOM		X	
Degreaser Super #2	VECOM		X	
Descaler Liquid 555	MARICHEM MARIGASES Worldwide		X	
Diver Clean	Settsu Oil Mill Ltd.		X	
Dye Out Compound	Gyro Chemical & Equipment Co.		X	
Eazy Aquaclean	Eazychem Ltd.		X	
Eazy Aqualac	Eazychem Ltd.		X	
Eazy NBD	Eazychem Ltd.		X	
Eazy RSR	Eazychem Ltd.		X	
Eazy Tankwash	Eazychem Ltd.		X	
EcoClean	UNISERVE Americas Inc.		X	
ECOCLEAN	UNISERVICE S.A.	ITA		X
ECS Quick Dry	VECOM		X	
EDGE	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
Enviro Chlor / #7	Enviro-Tech Specialities		X	
Enviro Clean	UNITOR Chemicals		X	
Enviro Clean 165	Enviro Clean Products LLC		X	
Enviro Clean TF-3	Enviro Clean Products LLC		X	
Enviro Cleaner	StarMarine Chemical	NLD		X
Enviro Kleen Blue	Enviro-Tech Specialities		X	
Enviro Kleen Safe	Enviro-Tech Specialities		X	
ENVIROCARE 110	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 120 Cleaner Dispersant	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 370	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 440 Tank Cleaner	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 480 Tank Cleaner	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 500	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 550	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 570	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 700	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 720	Ashland Chemical Company (Drew Ameroid Marine Division)		X	



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Name of cleaning additive	Name of manufacturer	Reporting country	Evaluated in accordance with	
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ENVIROCARE 770	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 880 Heavy Duty Cleaner	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 900	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 920	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE 960	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
ENVIROCARE™ 485 Heavy Duty Cleaner	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
Enviroclean	UNITOR Chemicals		X	
ENVIROMATE® 2000 General Purpose Cleaner	Ashland Chemical Company (Drew Ameroid Marine Division)		X	
Envirosorb 2	Envirotec		X	
FAMILY FRESH	Kao Corp.		X	
FF-AR	HVR Milieumanagement BV		X	
Fore & Aft	UNITOR Chemicals		X	
Fujicoral III	Fuji Coral Co. Ltd.		X	
Genepol	UNISERVE Americas Inc.		X	
GENEPOL	UNISERVICE S.A.	ITA		X
General Cleaning & Solvent	MARICHEM MARIGASES Worldwide		X	
GOAL L-3	Seven Rivers Co. Ltd.		X	
Gyro 3025	Gyro Chemical & Equipment Co.		X	
Gyro Bunker "C" Solvent	Gyro Chemical & Equipment Co.		X	
Gyro Exhaust Gas Cleaner	Gyro Chemical & Equipment Co.		X	
H.D. Cleaner	AQUAMARINE Chemicals		X	
H.D. Strong Alkaline Cleaner	AQUAMARINE Chemicals		X	
HAIZEN S-100	Kao Corp.		X	
HCF Neutral Kleen	Enviro-Tech Specialities		X	
HI - NOC	Nippon Yuka Kogyo Co. Ltd.		X	
HP Wash	UNITOR Chemicals		X	
Hydrocarbon Cleaner	Gyro Chemical & Equipment Co.		X	
Hydrocarbon Remover	UNISERVE Americas Inc.		X	
Ion and alkali cleaning agent of Jpal	Jpec Co. Ltd		X	
KdB Teepol	Marine Care	NLD		X
KdB Totaal Ontvetter	Marine Care	NLD		X

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Name of cleaning additive	Name of manufacturer	Reporting country	Evaluated in accordance with	
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KIRASOL - 340	Corpex Technologies		X	
KIRASOL - 340	Environmental Scientific Inc.		X	
KIRASOL - 360	Corpex Technologies		X	
KIRASOL 317	Corpex Technologies		X	
KIRASOL 361	Corpex Technologies		X	
KIRASOL 370	Corpex Technologies		X	
KIRASOL 371	Corpex Technologies		X	
KRUSHER	Atlas Chemical Inc.		X	
KT - PLUS	Chemtec Consulting Gmbh	DEU	X	X
KT - Special	Chemtec Consulting Gmbh		X	
KT-Solve	Chemtec Consulting Gmbh	DEU	X	X
KURICLEAN #11	TAIHO Industries Comp. Ltd.		X	
KURICLEAN #12	TAIHO Industries Comp. Ltd.		X	
KURICLEAN 10	TAIHO Industries Comp. Ltd.		X	
KURICLEAN 10P	TAIHO Industries Comp. Ltd.		X	
KURICLEAN No.100	TAIHO Industries Comp. Ltd.		X	
KURICLEAN No.1000	TAIHO Industries Comp. Ltd.		X	
KURIPAL PK-100	Kurita Water Industries Ltd.		X	
KURIPAL PK-842	Kurita Water Industries Ltd.		X	
LAC Liquid Alkaline Cleaner	Drew Ameroid		X	
Latex Remover	Enviro-Tech Specialities		X	
Lead Cleaner #8	VECOM		X	
Lime Cleaner	MARICHEM MARIGASES Worldwide		X	
LIPOMIX M	Lion Corp.		X	
Liquid 35 NF	TriStar Industries BV	NLD	X	X
Liquid Alkaline Kleen / LAC / S-LAC / #5	Enviro-Tech Specialities		X	
Liquid Soap	StarMarine Chemical		X	
LOCTITE Fragrance Free Natural Blue	Loctite Japan		X	
LOCTITE Natural Blue	Loctite Japan		X	
MAC AC-F	MASTEC Co. Ltd.		X	
MAC AC-H	MASTEC Co. Ltd.		X	

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MAC AC-N	MASTEC Co. Ltd.		X	
MAC ALKID	MASTEC Co. Ltd.		X	
MAC DUAL CLEAN	MASTEC Co. Ltd.		X	
MAC HC10	MASTEC Co. Ltd.		X	
MAC HC-100	MASTEC Co. Ltd.		X	
MAC HD	MASTEC Co. Ltd.		X	
MAC PRIME	MASTEC Co. Ltd.		X	
MAC SAFETY ALKID	MASTEC Co. Ltd.		X	
MAC SUSBRIGHT	MASTEC Co. Ltd.		X	
Magnus 6646	Henkel Surface Technologies		X	
Magnusol 747	Henkel Surface Technologies		X	
MARCLEAN CO - 1	A/S E. Brosstad		X	
MarClean HD	SNOWCLEAN AB		X	
MARCLEAN M3	A/S E. Brosstad		X	
MARCLEAN SC	A/S E. Brosstad		X	
MarClean Std	SNOWCLEAN AB		X	
Marclean XP0321	SNOWCLEAN AB		X	
Marichem DG-25	MARICHEM MARIGASES Worldwide		X	
Marichem PCS	MARICHEM MARIGASES Worldwide		X	
Marichem PCS C	MARICHEM MARIGASES Worldwide		X	
Marichem Pet Coke-Remover	MARICHEM MARIGASES Worldwide		X	
Marichem TTC	MARICHEM MARIGASES Worldwide		X	
MARICLEAN - POL	MARICHEM MARIGASES Worldwide	GRC		X
MARISOL	UNISERVE Americas Inc.		X	
MARISOL	UNISERVICE S.A.	ITA		X
MARISOL AC, Air cooler cleaner	Maritech Marine Technologies AB		X	
MARISOL AP, All purpose cleaner	Maritech Marine Technologies AB		X	
MARISOL CD, Cleaner & degreaser	Maritech Marine Technologies AB		X	
MARISOL CR, Carbon remover	Maritech Marine Technologies AB		X	
MARISOL DC, Separator disc cleaner	Maritech Marine Technologies AB		X	
MARISOL FC, Fuel oil separator circ. cleaner	Maritech Marine Technologies AB		X	

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MARISOL GD, General cleaner & degreaser	Maritech Marine Technologies AB		X	
MARISOL HD, Heavy duty cleaner	Maritech Marine Technologies AB		X	
MARISOL LC, Liquid alkaline cleaner	Maritech Marine Technologies AB		X	
MARISOL LR, Limestone remover	Maritech Marine Technologies AB		X	
MARISOL MB, Metal brightener	Maritech Marine Technologies AB		X	
MARISOL PC, Pipe cleaner	Maritech Marine Technologies AB		X	
MARISOL RC, Reefer cleaner	Maritech Marine Technologies AB		X	
MARISOL Rw+, Rust wash, strengthened	Maritech Marine Technologies AB		X	
MARISOL SR, Soot remover	Maritech Marine Technologies AB		X	
MASTER - RENS	A/S E. Brosstad		X	
Metal Bright HD	UNITOR Chemicals		X	
Metal Brightener / S-D / #4	Enviro-Tech Specialities		X	
Metal Brightner	CP Metal Chemicals BV		X	
Metal Brite HD	Unitor Chemicals AS	NOR		X
Metal Deruster	StarMarine Chemical BV	NLD	X	X
Metal treat 535 NF	TriStar Industries BV		X	
Metalon M	Settsu Oil Mill Ltd.		X	
Microclean	AQUAMARINE Chemicals		X	
MOD Quick Break Degreaser	Yule Catto Consumer Chemicals		X	
Multi Cleaner / TP-02	VECOM		X	
Multicleaner	StarMarine Chemical BV	NLD	X	X
NALFLEET 010 - Oil Spill Concentrate	Ellis & Everard		X	
NALFLEET 79102 "Sea Shield" Oil Dispersant	NALFLEET Marine Chemicals		X	
NALFLEET 79103 "Sea Shield" Clearbreak	NALFLEET Marine Chemicals		X	
NALFLEET 79104 "Sea Shield" Heavy Duty Cleaner	NALFLEET Marine Chemicals		X	
NALFLEET 79105 "Sea Shield" Alkaline Cleaner	NALFLEET Marine Chemicals		X	
NALFLEET 79109 "Sea Shield" Tank Alklean	NALFLEET Marine Chemicals		X	
NALFLEET 79112 "Sea Shield" Metal Brightener	NALFLEET Marine Chemicals		X	
NALFLEET 79115 "Sea Shield" Degreaser	NALFLEET Marine Chemicals		X	
NALFLEET 79118 "Sea Shield" Detergent Cleaner	NALFLEET Marine Chemicals		X	
NALFLEET 9088	Ellis & Everard		X	

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NALFLEET Electroclean	NALFLEET Marine Chemicals		X	
NALFLEET Rust Remover & Metal Brightener (9-061)	NALFLEET Marine Chemicals		X	
NALFLEET Safe Acid Powder	NALFLEET Marine Chemicals		X	
Nalfloc Alkats Cleaner 65 (NALC 65)	Yule Catto Consumer Chemicals		X	
Nalfloc Alkats Cleaner 65 (NALD 65)	Yule Catto Consumer Chemicals		X	
Nalfloc Maxiclean 2	Yule Catto Consumer Chemicals		X	
NAVACLEAN 801 - ALKATUFF	NAVADAN APS	DNK		X
NAVACLEAN 818 - COLDWASH	NAVADAN APS	DNK		X
NAVACLEAN 823 - BUFFERCLEANER 55	NAVADAN APS	DNK		X
NAVACLEAN 823 (CON) BUFFER CLEANER 55	NAVADAN APS	DNK		X
NAVACLEAN 842 - ALKASAFE	NAVADAN APS	DNK		X
NAVACLEAN 850 - WATERBASED NEUTRAL HCF	NAVADAN APS	DNK		X
NAVACLEAN 855 - HYDROCARBON REMOVER	NAVADAN APS	DNK		X
NAVACLEAN 856 - ECOCLEAN	NAVADAN APS	DNK		X
NAVACLEAN 860 - SEACLEAN GP	NAVADAN APS	DNK		X
NAVACLEAN 888 - SEACLEAN	NAVADAN APS	DNK		X
NAVACLEAN 897 - IGS CLEANER	NAVADAN APS	DNK		X
NAVACLEAN 897 (CON) - IGS CLEANER	NAVADAN APS	DNK		X
NEOS FD-1	NEOS Company Ltd.		X	
NEOS FD-20	NEOS Company Ltd.		X	
NEOS FD-7	NEOS Company Ltd.		X	
NEOS ONE 2	NEOS Company Ltd.		X	
NEOS REGLIGHY M-ONE 2S (Water soluble)	NEOS Company Ltd.		X	
Neutral HCF	StarMarine Chemical		X	
Neutral Vegoil Cleaner #3	VECOM		X	
New Teepol	Teepol Ltd.		X	
NICOL Clean	Nihon Kosan Co. Ltd.		X	
NICOL Clean 80	Nihon Kosan Co. Ltd.		X	
Novaclean 100 marine	Henkel Surface Technologies		X	
Novaclean 200 marine	Henkel Surface Technologies		X	
Novaclean 300 Marine	Henkel Surface Technologies		X	

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Novaclean 400 marine	Henkel Surface Technologies		X	
Oil & Grease Remover HD-999	MARICHEM MARIGASES Worldwide		X	
Owl #10 / Acrylate Cleaner	Enviro-Tech Specialities		X	
Owl #12 / Teepol	Enviro-Tech Specialities		X	
Owl #8 / Buffer Clean	Enviro-Tech Specialities		X	
Owl #8 / Buffer Clean / Inhibitor Cleaner	Enviro-Tech Specialities		X	
P3 - FD Marine	Henkel		X	
P3 - GRATO 14 Marine	Henkel		X	
P3 - GRATO 50 Marine	Henkel		X	
P3 - GRATO 60 Marine	Henkel		X	
P3 - GRATO 80 Marine	Henkel		X	
P3 - GRATO SOL	Henkel		X	
P3 - GRATO STLS Marine	Henkel		X	
P3 - NA Marine	Henkel		X	
P3 - T 1166 Marine	Henkel		X	
P3 Croniclean 113	Henkel Surface Technologies		X	
P3 Ferrofos 8441	Henkel Surface Technologies		X	
P3 Grato Sol Plus	Henkel Surface Technologies		X	
P3-A	Henkel		X	
P3-X	Henkel		X	
Paratrooper	Wash Specialties, Inc.		X	
Passivating Liquid / L-800	VECOM		X	
Passivation Kleen L	Enviro-Tech Specialities		X	
Passivation Liquid	MARICHEM MARIGASES Worldwide		X	
Pickling Kleen L	Enviro-Tech Specialities		X	
Pickling Liquid	MARICHEM MARIGASES Worldwide		X	
Pickling Liquid / L-600	VECOM		X	
Pickling Spray	VECOM		X	
Porodox	Henkel Surface Technologies		X	
Product Formula No. 10 (Acrylate neutralizer)	VECOM		X	
Product Formula No. 12 (Liquid soap)	VECOM		X	

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Product Formula No. 2 (Degreaser HD)	VECOM		X	
Product Formula No. 3 (Edible Oil Remover)	VECOM		X	
Product Formula No. 4 (Metal Brightner)	VECOM		X	
Product Formula No. 5 (Caustic Alkaline Cleaner)	VECOM		X	
Product Formula No. 6 (Hydrocarbon Remover)	VECOM		X	
Product Formula No. 7 (Dye out)	VECOM		X	
Product Formula No. 8/11 (Lead Remover / Inhibitor Killer)	VECOM		X	
Quickbreak	Performance Chemicals Ltd.		X	
Redox Heavy Duty Cleaner	REDOX CHEMICAL PTE LTD	SGP		X
Redox Heavy Duty Tank Cleaner	REDOX CHEMICAL PTE LTD	SGP		X
Redox Metal Brightener	REDOX CHEMICAL PTE LTD	SGP		X
Redox Multi-Purpose Cleaner	REDOX CHEMICAL PTE LTD	SGP		X
Redox Oil Spill Dispersant & Tank Cleaning Additive	REDOX CHEMICAL PTE LTD	SGP		X
Redox Twinstarr	REDOX CHEMICAL PTE LTD	SGP		X
Redox Water-Based Hydro-Carbon Free (HCF) Cleaner	REDOX CHEMICAL PTE LTD	SGP		X
Rust Kleen	Enviro-Tech Specialities		X	
Rust Off	UNISERVE Americas Inc.		X	
Rust Remover	AQUAMARINE Chemicals		X	
Rust Remover	MARICHEM MARIGASES Worldwide		X	
Rust Remover	UNISERVE Americas Inc.		X	
Rust Shield Phos	MARICHEM MARIGASES Worldwide		X	
S-B (Degreaser HD)	VECOM		X	
S-C (Edible Oil Remover)	VECOM		X	
SC-1000	Infinity Enterprises Inc.		X	
S-D (Metal Brightner)	VECOM		X	
S-E (Liquid caustic soda)	VECOM		X	
Sea Clean Plus	UNITOR Chemicals AS	NOR	X	X
Seaclean	UNISERVE Americas Inc.		X	
SEACLEAN	UNISERVICE S.A.	ITA		X
Settsu Clean	Settsu Oil Mill Ltd.		X	
S-HCF (Hydrocarbon Remover)	VECOM		X	

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S-LAC (Caustic Alkaline Cleaner)	VECOM		X	
Slaytex	Wash Specialties, Inc.		X	
Sodium Perborate	Enviro-Tech Specialities		X	
SolBreak	MARICHEM MARIGASES Worldwide		X	
Stainless Steel Cleaner Special	TriStar Industries BV		X	
StarMarine Concentrate	Star Marine Chemicals BV	NLD		X
StarMarine Special	Star Marine Chemicals BV	NLD		X
Steamclean HPC-NF	VECOM		X	
Steamer 130 HD	TriStar Industries BV	NLD	X	X
Steamer 140 HD	Tristar Industries BV	NLD		X
Super Cleaner Y-SP 2	TriStar Industries BV	NLD	X	X
Super Degreaser	CP Metal Chemicals BV		X	
SUPER GREEN	Atlas Chemical Inc.		X	
Super Teepol	Teepol Ltd.		X	
S-X (Acrylate neutralizer)	VECOM		X	
TANK ALKLEEN	NALFLEET Marine Chemicals		X	
Tank Cleaner	MARICHEM MARIGASES Worldwide		X	
Tank Cleaner - S	MARICHEM MARIGASES Worldwide		X	
Tank Cleaner H.D.	AQUAMARINE Chemicals		X	
Tankclean at Sea	VECOM		X	
Tankclean HCF	VECOM		X	
TANKLEEN Plus	UNITOR Chemicals		X	
Teepol Eight	Teepol Ltd.		X	
Teepol Green	Teepol Ltd.		X	
Teepol Green S	Teepol Ltd.		X	
Toho Cactus Clean FC	Tesco Co. Ltd.		X	
Toho Cactus Clean H-2	Tesco Co. Ltd.		X	
Toho Cactus Clean L-10A	Tesco Co. Ltd.		X	
Toho Cactus Clean W1	Tesco Co. Ltd.		X	
TOPIC 21	Fuji Coral Co. Ltd.		X	
TS -1	Settsu Oil Mill Ltd.		X	



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Uniclean AP Enviro	UNISERVE Americas Inc.		X	
Uniclean AP Powder	UNISERVE Americas Inc.		X	
Uniclean Break	UNISERVE Americas Inc.		X	
Uniclean Carbon	UNISERVE Americas Inc.		X	
UNICLEAN DRASTIC	UNISERVICE S.A.	ITA		X
Uniclean GP	UNISERVE Americas Inc.		X	
UNICLEAN GP	UNISERVICE S.A.	ITA		X
Uniclean HD	UNISERVE Americas Inc.		X	
Uniclean OSD Enviro	UNISERVE Americas Inc.		X	
Uniclean Tank	UNISERVE Americas Inc.		X	
Unipol	UNITOR Chemicals		X	
Unitor Amwash	UNITOR Chemicals		X	
Uniwash	UNITOR Chemicals		X	
US Clean	Fuji Coral Co. Ltd..		X	
Veclean Blue / Blauw	VECOM		X	
Veclean Clear Break	VECOM		X	
Veclean Electro	VECOM		X	
Veclean Tank	VECOM		X	
Vecochlor	VECOM		X	
Vecofloc	VECOM		X	
Vecosan Rustcleaner	VECOM		X	
Vetvrij	Tevan		X	
VIROL-SOL	Atlas Chemical Inc.		X	
Watensol	Schmitt und Fintelmann (INLABCO)		X	
Watensol N	Schmitt und Fintelmann (INLABCO)		X	
Watensol S	Schmitt und Fintelmann (INLABCO)		X	
Waterbased Alka Kleen / LAC / #5	Enviro-Tech Specialities		X	
Waterbased Alkaline / B-3	VECOM		X	
Waterbased Alkaline / B-3	Enviro-Tech Specialities		X	
Waterbased Alkaline HD / Steamclean B-2 Liquid	VECOM		X	
WATERBASED NEUTRAL HCF	UNISERVICE S.A.	ITA		X

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Waterbased Neutral HCF/B-4	VECOM		X	
YUNISOL AC	Nippon Yuka Kogyo Co. Ltd..		X	
YUNISOL SH	Nippon Yuka Kogyo Co. Ltd.		X	
YUNISOL SS	Nippon Yuka Kogyo Co. Ltd.		X	
Zinc Coat Conditioner	UNITOR Chemicals AS	NOR	X	X

\* Cleaning additives identified only in this column will cease to be valid on 1 August 2010.